

Genus Series Cultivar: Achillea Firefly Peach Sky

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	5.0	5.0	5.0	Full bloom; Full flower



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	4.7	3.7	5.0	4.5	End of first flush of flowers



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Genus Series Cultivar: *Achillea* Firefly Peach Sky Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.5	3.5	2.0	4.5	3.6	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.7	4.4	3.6	4.9	4.4
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 'WOW' factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Achillea Firefly Sunshine

Program: Walter's Gardens

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 5.0 4.0 4.0 5.0 4.5 Some plants blooming; Some plants just starting to flower



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.7 4.7 4.0 5.0 4.6





Michigan State University Annual Trial Gardens
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Genus Series Cultivar: Achillea Firefly Sunshine

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	4.5	4.0	4.5	4.5	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.9	4.4	4.0	4.9	4.5
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Agastache Poquito Butter Yellow Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	4.5	5.0	4.8	Blooming; Fading flower heads add interesting black/yellow combo



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.7	4.3	5.0	4.6	Lots of new growth



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Genus Series Cultivar: Agastache Poquito Butter Yellow Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	4.5	5.0	4.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.6	4.9	4.4	5.0	4.7
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Agastache Poquito Dark Blue Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	3.0	2.5	5.0	3.3	Smuch smaller than others. It is in bloom.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	3.7	3.0	5.0	3.7	Smaller, not much color



-CONTINUED-

Genus Series Cultivar: Agastache Poquito Dark Blue Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	2.5	3.0	4.5	3.4	Floppy and rangy



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.0	3.1	2.9	4.9	3.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



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Genus Series Cultivar: Agastache Poquito Lavender Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.0	3.5	3.5	5.0	3.8	In bloom
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	3.7	4.0	3.3	5.0	4.0	
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Genus Series Cultivar: Agastache Poquito Lavender Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	3.0	3.0	4.5	3.6	Floppy and rangy



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.6	3.6	3.3	4.9	3.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Agastache Poquito Orange

Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	5.0	5.0	4.9	Amazing color, tons of flowers; Lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	5.0	4.3	5.0	4.7	Lots of new growth



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Genus Series Cultivar: Agastache Poquito Orange Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	4.5	5.0	4.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.6	5.0	4.6	5.0	4.8
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Allium Serendipity

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.5	4.5	5.0	4.6	In bloom; Almost done flowering



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.7	2.7	5.0	4.1	Producing what appears to be aerial bulblets in flower head.; Done flowering, but bulbils are forming in the flower heads



-CONTINUED-

Genus Series Cultivar: Allium Serendipity Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	5.0	1.0	5.0	3.8	No color





Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.7	2.7	5.0	4.1


All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Angelonia Serena Blue

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	4.5	2.5	4.5	3.5	still small, blue blends in with soil
<div style="display: flex; justify-content: space-around;">   </div>						

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	5.0	4.0	5.0	4.7	
						



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Genus Series Cultivar: Angelonia Serena Blue Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.0	4.5	5.0	4.4	



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	4.6	3.7	4.9	4.3

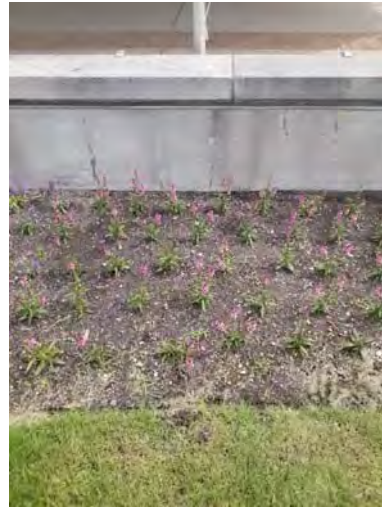
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Angelonia Serena Rose

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	4.0	3.0	4.5	3.4	Very sparse, but good rich pink color. Dark stems



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	5.0	5.0	5.0	4.9	Color stands out the most, dark stems are unique; Color pops the most



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Genus Series Cultivar: Angelonia Serena Rose Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	5.0	4.5	5.0	4.6	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.7	4.7	4.3	4.9	4.4
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Angelonia Serena White

Program: Ball Horticulture

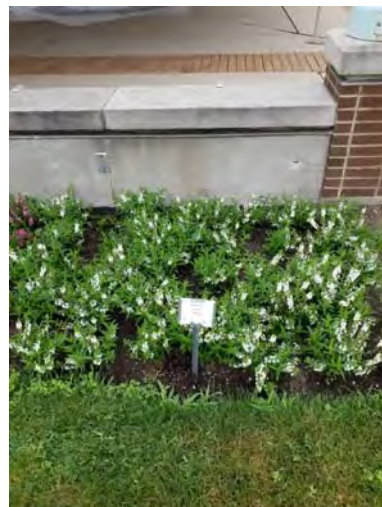
Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.5 4.5 4.0 5.0 4.3 Fullest and most floriferous of the three



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 5.0 5.0 4.0 5.0 4.8



-CONTINUED-

Genus Series Cultivar: Angelonia Serena White Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	4.5	4.0	4.0	4.3	Some plants dying



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.4	4.7	4.0	4.7	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Artemisia Makana Silver

Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.5	3.0	5.0	4.0	Great texture, still filling out



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.7	4.0	5.0	4.4	Great texture; Great texture and color



-CONTINUED-

Genus Series Cultivar: Artemisia Makana Silver Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	4.0	4.0	5.0	4.4	Finally filled in the bed



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.0	4.4	3.7	5.0	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Bacopa Snowstorm® Blue NEW

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	1.5	2.5	1.0	2.0	1.8	A lot of rain damage. Some chlorosis.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.3	2.3	5.0	3.8	Looking better; Little color

-CONTINUED-

Genus Series Cultivar: Bacopa Snowstorm® Blue NEW Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	2.0	5.0	4.1	No color at all, but filled in nicely



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	4.0	1.9	4.5	3.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Bacopa Snowstorm® Glacier Blue Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	2.0	1.0	2.0	1.8	Moderate rain damage. A little chlorosis.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.3	3.0	5.0	4.0	Looking better





Michigan State University Annual Trial Gardens
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-CONTINUED-

Genus Series Cultivar: Bacopa Snowstorm® Glacier Blue Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	2.0	5.0	4.3	



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.6	3.9	2.1	4.5	3.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Bacopa Snowstorm® Pink NEW Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	2.5	2.0	2.0	2.3	Vibrant pink for bacopa. A little rain damage



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	3.3	2.7	5.0	3.6	Looking better

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Genus Series Cultivar: Bacopa Snowstorm® Pink NEW Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	4.0	2.0	5.0	4.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.6	3.3	2.3	4.5	3.3
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Bacopa Snowstorm® Rose

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	2.0	3.0	1.0		2.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	3.0	3.3	2.3	5.0	3.4	Looking better; Little color
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Genus Series Cultivar: Bacopa Snowstorm® Rose Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	4.5	1.5	5.0	3.9	No color at all



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	3.7	1.8	5.0	3.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Bacopa Snowstorm® Snow Globe® IMP Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	2.5	1.0	2.0	1.9	Moderate rain damage. Some chlorosis.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	3.3	3.3	5.0	3.7	Looks better, most color of all snowstorms



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Genus Series Cultivar: Bacopa Snowstorm® Snow Globe® IMP Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.5	4.0	2.5	5.0	4.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.1	3.3	2.4	4.5	3.3
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All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Basil round midnight (purple) Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	3.5	4.5	4.1	Some sunburn - sunburnt areas are gray; Some stem flopping



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.7	5.0	5.0	4.9	Some insect damage on a few leaves; Lots of flowers, attracts lots of pollinators; Color still vibrant, starting to crack open

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Genus Series Cultivar: Basil round midnight (purple) Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	3.5	3.0	3.5	3.8	Getting a little wild and rangy, color fading; Looking tired, possible chilling injury.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	4.1	4.0	4.4	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Bean Mistik

Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	3.0		5.0	3.7	germinated, but still at cotyledon stage; Up and growing



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.3	3.7	4.3	4.1	Beans are forming, lots of flowers; Producing tons of beans; Leaves and beans getting chewed on by bugs



-CONTINUED-

Genus Series Cultivar: Bean Mistik Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	4.0		4.0	3.8	Lots of insect damage to leaves and beans



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	4.0	3.7	4.3	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Begonia AmeriHybrid Lace Red Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	5.0	5.0	4.5	5.0	4.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	5.0	4.3	4.3	4.7	4.6	Reddish-pink; Getting kind of leggy
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Genus Series Cultivar: Begonia AmeriHybrid Lace Red Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	4.5	4.5	5.0	4.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	5.0	4.6	4.4	4.9	4.7
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia AmeriHybrid Sunburst Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	3.5	2.5	5.0	3.8	Not in flower; Not much color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	4.3	3.0	5.0	4.3	Little color; Little color, flowers hidden under foliage; Almost no color, flowers hidden under foliage



-CONTINUED-

Genus Series Cultivar: Begonia AmeriHybrid Sunburst Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	4.0	3.5	5.0	4.4	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.6	4.0	3.0	5.0	4.1
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia AmeriHybrid White Red Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.0	2.5	5.0	3.7	Few flowers



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.0	2.7	4.7	3.8	Pink and white, not really red. Little color now.; Almost no color, flowers hidden under foliage





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Begonia AmeriHybrid White Red Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.5	5.0	2.5	5.0	4.3	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.9	4.3	2.6	4.9	3.9
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

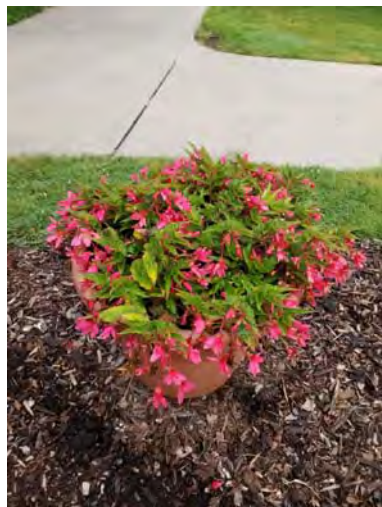
Genus Series Cultivar: Begonia Beauvilia BEBE 3855

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	5.0	4.5	4.8	Lots of color. A little sunburn.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	5.0	4.7	5.0	4.8	Less compact



-CONTINUED-

Genus Series Cultivar: Begonia Beauvilia BEBE 3855 Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.7	5.0	4.9	4.9	4.9
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia Beauvilia BEBE 3907

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	4.0	4.5	4.1	Lots of color. Some sunburn.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Less compact; Incredible



-CONTINUED-

Genus Series Cultivar: Begonia Beauvilia BEBE 3907 Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.7	4.7	4.7	4.9	4.8
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia Beauvilia Red

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	5.0	3.0	4.5	4.0	Sunburned leaf margins getting necrotic. Flowering under foliage



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	Compact yet cascading; Incredible



-CONTINUED-

Genus Series Cultivar: Begonia Beauvilia Red Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Color doesnt pop as much as 3907 and 3855



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	5.0	4.3	4.9	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Begonia Betulia Bright Pink

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	4.5	5.0	4.0	5.0	4.6	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	5.0	5.0	5.0	5.0	5.0	Single flower, vibrant color
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Genus Series Cultivar: Begonia Betulia Bright Pink Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Looks fantastic, covered in blooms



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	5.0	4.7	5.0	4.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

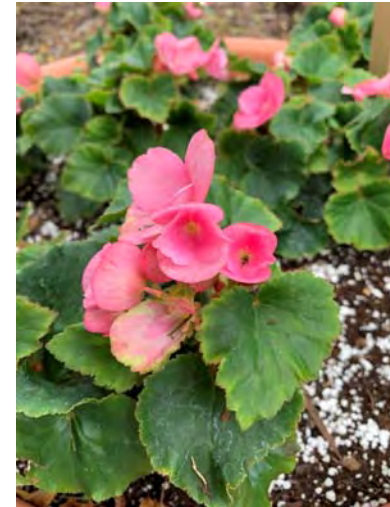
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia Betulia Candy Pink

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 5.0 3.5 5.0 4.1



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.0 4.3 2.3 4.0 3.4 Little color



-CONTINUED-

Genus Series Cultivar: Begonia Betulia Candy Pink Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	3.0	5.0	2.0	5.0	3.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.0	4.7	2.6	4.6	3.7
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia Betulia Light Pink

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	5.0	3.0	5.0	4.0	Little color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	4.7	2.3	4.3	3.6	Little color



-CONTINUED-

Genus Series Cultivar: Begonia Betulia Light Pink Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	3.0	5.0	2.0	5.0	3.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.0	4.9	2.4	4.7	3.8
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Begonia Betulia Red

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.5	5.0	3.5	5.0	4.3	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	2.0	3.3	2.3	4.0	2.9	Some plants rotting
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Genus Series Cultivar: Begonia Betulia Red Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	2.0	4.0	2.5	5.0	3.4	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	2.4	4.0	2.7	4.6	3.4
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Begonia BK Collection BEEL 0958 Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.5	3.5	4.0	3.9	Smaller flower size than other BEELs. Moderate sunburn damage.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	5.0	4.3	5.0	4.7	

-CONTINUED-

Genus Series Cultivar: Begonia BK Collection BEEL 0958 Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	4.0	5.0	4.6	Much small flower size, less color than others



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.9	4.0	4.7	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strsss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Begonia BK Collection BEEL 3632 Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	5.0	4.5	4.8	A little sunburn, but not nearly as sunburned as others; Amazing



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Loaded with flowers



-CONTINUED-

Genus Series Cultivar: Begonia BK Collection BEEL 3632 Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.9	5.0	5.0	4.9	4.9
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Begonia BK Collection BEEL 4022 Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	5.0	5.0	3.5	4.0	4.2	Not fully double like other BEELs; Single flower
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	5.0	5.0	4.7	5.0	4.9	Some double and some single flowers; More self-cleaning than the doubles
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Genus Series Cultivar: Begonia BK Collection BEEL 4022 Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	5.0	5.0	4.4	4.7	4.7
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Begonia BK Collection Carmen Red Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	5.0	3.5	4.0	4.0	Almost no color. Very dark foliage from sunburn ; Both green and brown leaves



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	So perfect, it looks fake; Won "Viewers Choice Best Sun Begonia during our Garden Day event on August 3, 2019.



-CONTINUED-

Genus Series Cultivar: Begonia BK Collection Carmen Red Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE 5.0 5.0 5.0 5.0 5.0



Time of Season Vigor Uniform WOW Stress OVERALL

ENTIRE SEASON AVERAGE 4.6 5.0 4.4 4.7 4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia BK Collection Chloe Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	5.0	4.0	3.0	3.8	Foliage very brown and sunburned, upright habit; Crispy leaves from sunburn, but amazing flowers



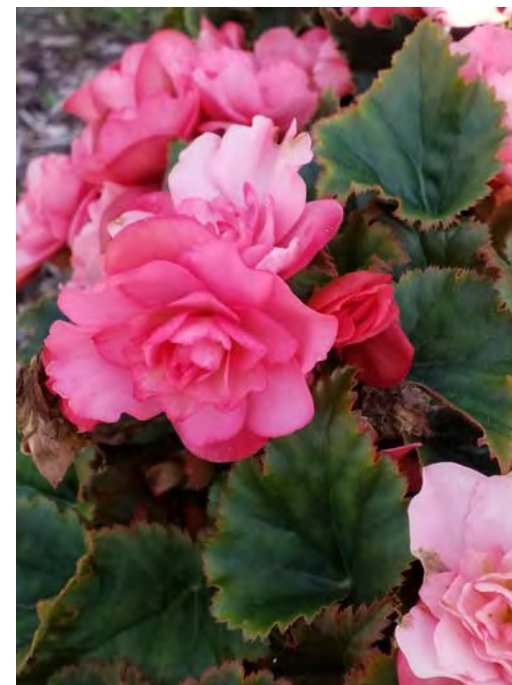
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	5.0	4.3	5.0	4.6	Lighter color shows spent flowers more



-CONTINUED-

Genus Series Cultivar: Begonia BK Collection Chloe Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	5.0	3.0	5.0	4.0	Still small, not much color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	5.0	3.9	4.4	4.2

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia BK Collection Evi Bright Pink Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.5	3.5	4.5	3.9	Compact little color, bad sunburn



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	5.0	3.0	5.0	4.0	Much less vigorous, looks like its two weeks behind others.; Still very compact, flowers somewhat hidden



-CONTINUED-

Genus Series Cultivar: Begonia BK Collection Evi Bright Pink Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.5	5.0	2.0	5.0	3.6	Still small, not much color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.9	4.9	2.9	4.9	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

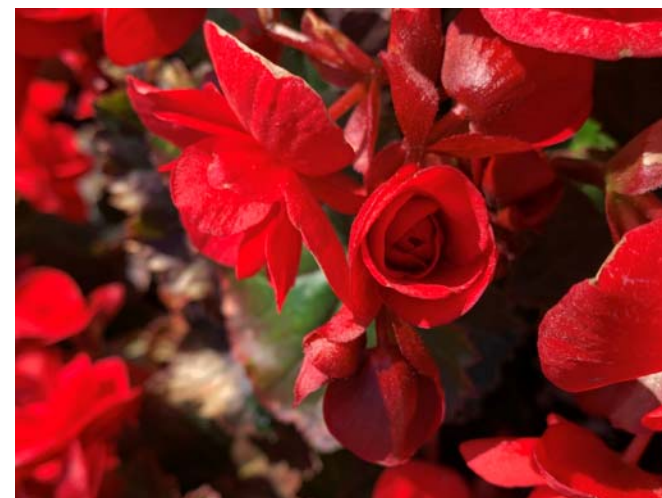
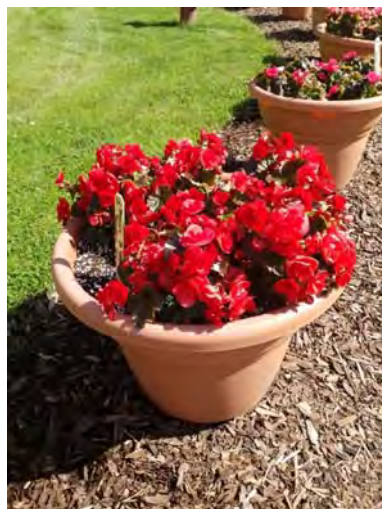
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Begonia BK Collection Vermillion Red Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	5.0	3.5	4.3	Smothered in flowers, covers sunburn.; Solid color, cant see foliage. Sunburn is present



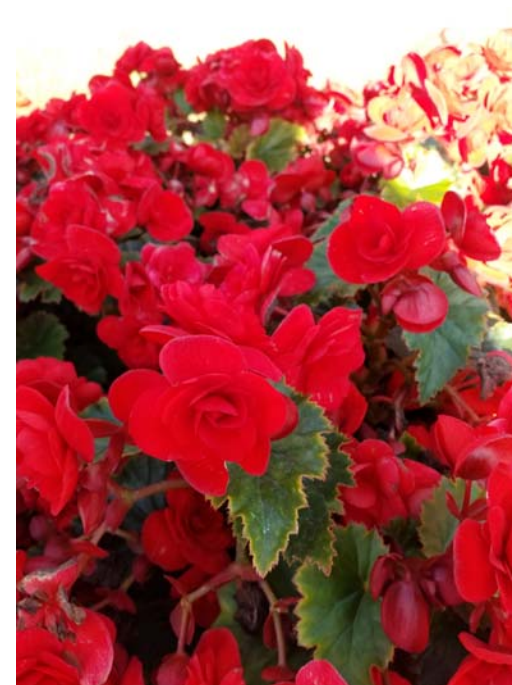
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	5.0	5.0	4.7	4.8	So many flowers, almost looks fake.

-CONTINUED-

Genus Series Cultivar: Begonia BK Collection Vermillion Red Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	4.5	5.0	5.0	4.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.7	4.6	5.0	4.4	4.7
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Begonia On Top Fandango

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 5.0 3.5 5.0 4.4



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.0 4.3 3.7 4.0 4.0 Variability in color, some much more orange, others peach

-CONTINUED-

Genus Series Cultivar: Begonia On Top Fandango Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.5	4.0	4.0	5.0	4.4	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.1	4.4	3.7	4.6	4.2
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ENTIRE SEASON AVERAGE

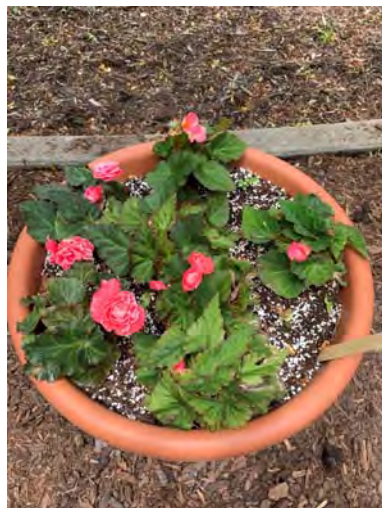
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia On Top Melon Lace

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.5	2.5	4.0	3.5	Sunburn present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	4.0	3.0	4.3	3.6	Not much color right now



-CONTINUED-

Genus Series Cultivar: Begonia On Top Melon Lace Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.0	4.0	4.5	4.1	



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	4.1	3.1	4.3	3.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia On Top Pink Halo

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.5 4.5 3.0 4.5 3.9



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.0 5.0 3.3 4.3 4.2 Not much color right now



-CONTINUED-

Genus Series Cultivar: Begonia On Top Pink Halo Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.5	4.5	4.5	4.5	4.5	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.0	4.7	3.6	4.4	4.2
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All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

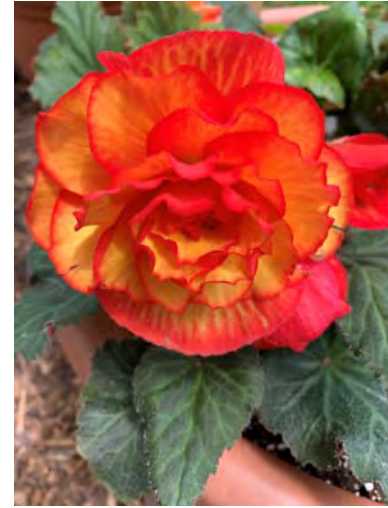
'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia On Top Sun Glow

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.5 3.5 3.5 5.0 3.9



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.7 4.7 4.3 5.0 4.7

One plant has light pink flowers; Won "Viewers Choice Best Shade Begonia during our Garden Day event on August 3, 2019.



-CONTINUED-

Genus Series Cultivar: Begonia On Top Sun Glow Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	4.5	5.0	4.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.4	4.4	4.1	5.0	4.5
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

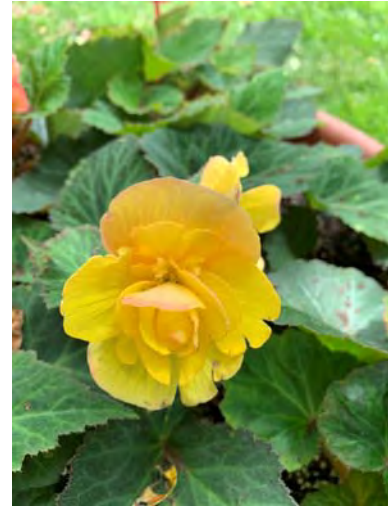
'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia On Top Sunset Shade Program: Ball Horticulture

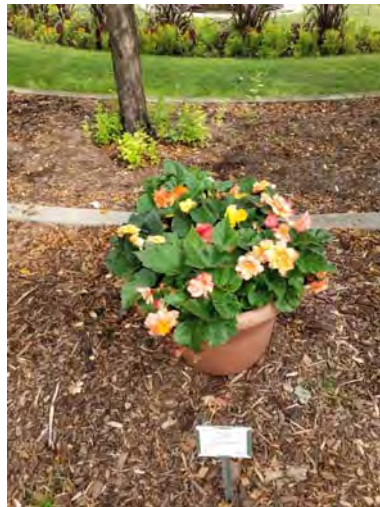
Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 5.0 3.5 5.0 4.4



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 5.0 4.7 5.0 5.0 4.9



-CONTINUED-

Genus Series Cultivar: Begonia On Top Sunset Shade Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Very showy right now!



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.9	4.6	5.0	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia Solenia Apricot

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.5	4.0	3.0	3.9	Beautiful color palette. Moderate sunburn.; Mixture of colors, sunburn is present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	5.0	5.0	5.0	4.8	Some discolored leaves, spent flowers detract. Chlorosis present.

-CONTINUED-

Genus Series Cultivar: Begonia Solenia Apricot Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.4	4.9	4.7	4.4	4.6
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Begonia Solenia Chocolate Orange Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	4.5	3.5	4.0	Some sunburn, but dark leaves conceal or protect sunburn more than other varieties.; Beautiful contrast between foliage and flower

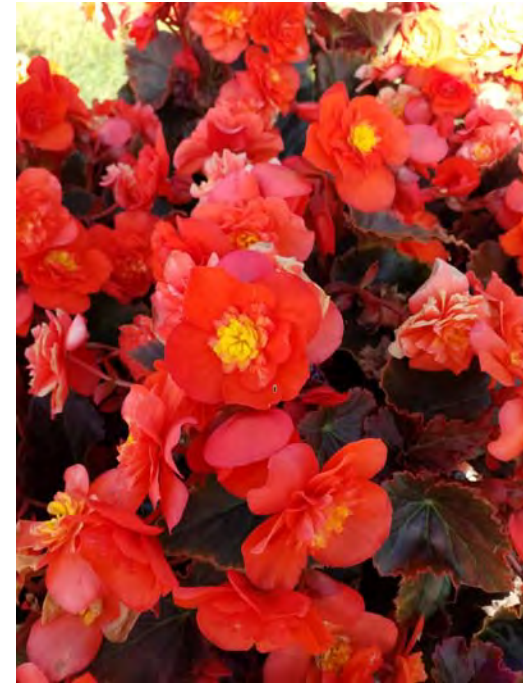


Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	4.7	5.0	5.0	4.8	Vibrant color

-CONTINUED-

Genus Series Cultivar: Begonia Solenia Chocolate Orange Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.6	4.6	4.9	4.6	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

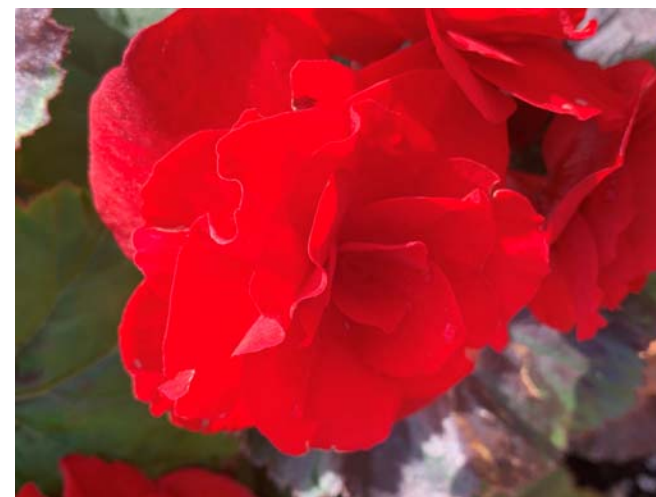


Genus Series Cultivar: Begonia Solenia Scarlet

Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 5.0 5.0 4.5 4.0 4.6 Severe sunburn.; Sunburn is present



Time of Season Vigor Uniform WOW Stress OVERALL Comments

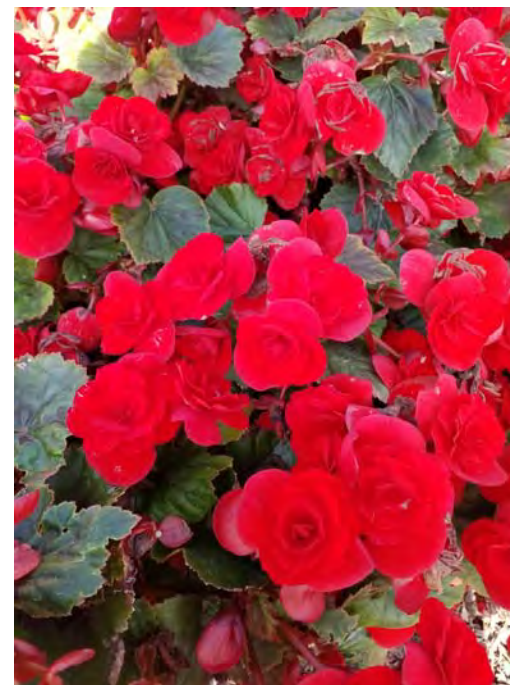
MID 5.0 5.0 5.0 5.0 5.0

-CONTINUED-

Genus Series Cultivar: Begonia Solenia Scarlet Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	5.0	5.0	5.0	4.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.7	5.0	4.9	4.7	4.8
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

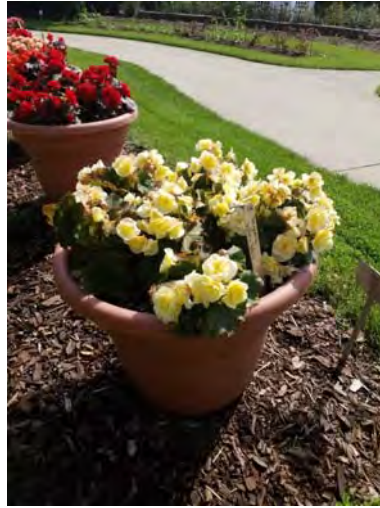


2019 Trial Report

Genus Series Cultivar: Begonia Solenia Yellow

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	3.5	3.5	4.1	A lot of sunburn - detracts from nice flowers.; Sunburn is present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	5.0	4.0	5.0	4.5	



-CONTINUED-

Genus Series Cultivar: Begonia Solenia Yellow Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.4	5.0	4.1	4.6	4.5
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

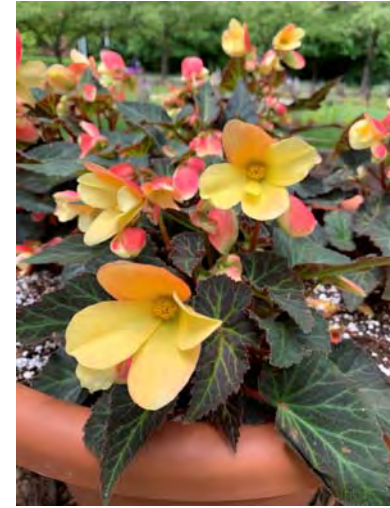
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia Spring Fling Buttercup

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 5.0 4.5 5.0 5.0 4.9



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 5.0 5.0 4.7 5.0 4.9 Looks great





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Begonia Spring Fling Buttercup Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Better than ever, lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	4.9	4.9	5.0	4.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Begonia Spring Fling Pink Tulip

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 5.0 5.0 5.0 5.0 5.0



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 5.0 5.0 4.3 5.0 4.8 Less color than buttercup



-CONTINUED-

Genus Series Cultivar: Begonia Spring Fling Pink Tulip Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.5	5.0	4.9	Better than ever, lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	5.0	4.6	5.0	4.9

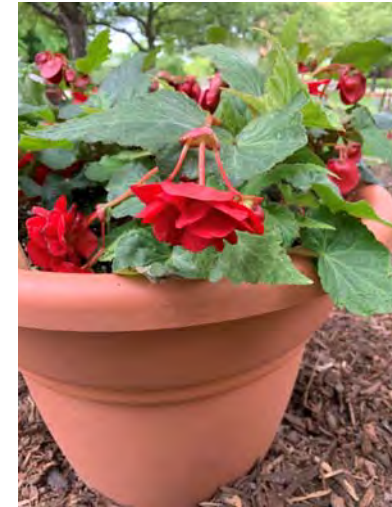
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia Sun Dancer Red

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	4.5	5.0	4.9	Flowers hidden below foliage. One plant has viral-looking foliage.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	



-CONTINUED-

Genus Series Cultivar: Begonia Sun Dancer Red Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.8	Starting to collapse under its own weight



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	5.0	4.4	5.0	4.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Begonia Sun Dancer Scarlet Orange Program: Ball Horticulture

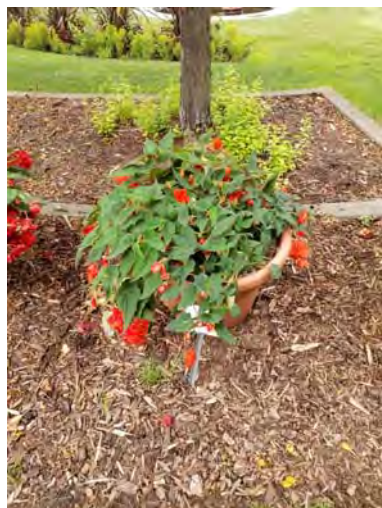
Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 5.0 5.0 4.5 5.0 4.9



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 5.0 5.0 4.7 5.0 4.9 Not as much color; Color mostly on ends of stems, not much color in center



-CONTINUED-

Genus Series Cultivar: Begonia Sun Dancer Scarlet Orange Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.8	Starting to collapse under its own weight; Flowers touching the ground!



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	5.0	4.4	5.0	4.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Begonia Sun Dancer Yellow Red Picote Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 4.5 3.0 5.0 3.9



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.7 4.7 3.7 4.3 4.3 Slightly less floriferous; Not as much color; Not much color right now



-CONTINUED-

Genus Series Cultivar: Begonia Sun Dancer Yellow Red Picote Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.5	3.5	5.0	4.5	Starting to collapse under its own weight; Flowers touching the ground!



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	4.6	3.4	4.7	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Bidens Goldilocks Rocks® IMP Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	3.5	4.5	4.0	Large flower size, healthy green foliage ; Little color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.7	3.7	5.0	4.6	Large flower size; In between flushes of flowers



-CONTINUED-

Genus Series Cultivar: Bidens Goldilocks Rocks® IMP Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.5	4.5	2.5	5.0	4.1	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.6	4.4	3.3	4.9	4.3
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ENTIRE SEASON AVERAGE

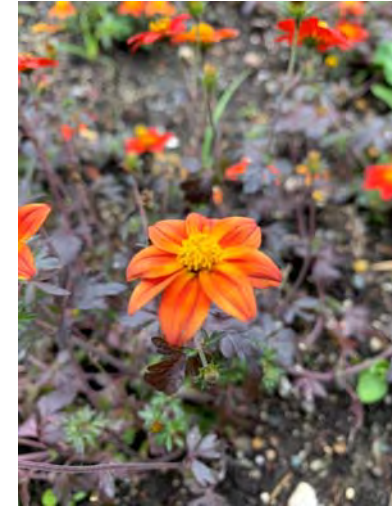
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Bidens Campfire® Flame

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	3.5	3.0	3.5	3.4	Foliage is completely purple



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	5.0	5.0	5.0	4.9	Compact mounds



-CONTINUED-

Genus Series Cultivar: Bidens Campfire® Flame Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.4	4.6	4.4	4.6	4.5
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Calendula Crown Yellow

Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	3.0	4.5	4.0	Sparse foliage ; Not a ton of color yet, but cute



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.3	3.7	5.0	4.5	Has filled out a lot in last two weeks; Lots of spent flowers, would take forever to deadhead if you want it to look tidy; In between flushes of flowers, lots of spent blooms

-CONTINUED-

Genus Series Cultivar: Calendula Crown Yellow

Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	3.0	1.0	4.0	3.3	Almost no color; Very tired looking, some new flowers, but messy looking overall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	3.9	2.7	4.6	4.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



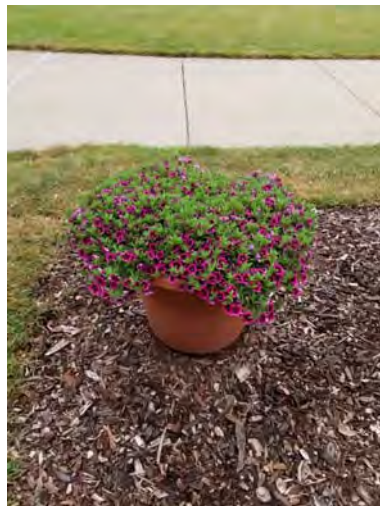
2019 Trial Report

Genus Series Cultivar: Calibrachoa Cabaret Good Night Kiss Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0	2.5	4.0	3.4	Small narrow leaves, looks stunted. A decent amount of chlorosis.; Very compact, stacked foliage



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	5.0	4.7	5.0	4.8	Won "Viewers Choice Best Calibrachoa during our Garden Day event on August 3, 2019



-CONTINUED-

Genus Series Cultivar: Calibrachoa Cabaret Good Night Kiss Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Dark green and healthy looking foliage; Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	4.7	4.0	4.7	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Calibrachoa Kabloom Blue

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	3.0	3.5	5.0	3.8	Rangy. A little insect/mite damage, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.0	5.0	4.8	Color does not pop; Chlorosis present

-CONTINUED-

Genus Series Cultivar: Calibrachoa Kabloom Blue Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	3.0	5.0	4.8	Chlorosis present; Removed from trail. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.6	4.4	3.7	5.0	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Calibrachoa Kabloom Cherry

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	4.5	4.0	5.0	4.6	Great start. A little insect/mite damage, likely from greenhouse.; Tiny bit of chlorosis on new growth



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.3	5.0	4.8	Most vigorous of the Kablooms; Mild chlorosis; Chlorosis present



-CONTINUED-

Genus Series Cultivar: Calibrachoa Kabloom Cherry Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	4.9	4.2	5.0	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

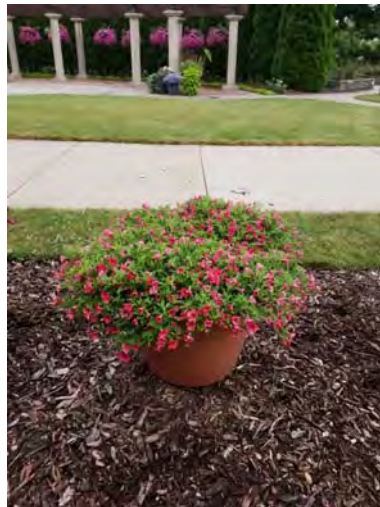
Genus Series Cultivar: Calibrachoa Kabloom Coral

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	3.5	4.5	4.5	4.1	Lots of color. Some chlorosis.; Beautiful color, lots of blooms



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	5.0	4.3	5.0	4.7	Some plants wilted or dead





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Calibrachoa Kabloom Coral Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.0	3.0	5.0	3.9	Chlorosis present, some die-off; Removed from trial. Chlorosis present.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.3	4.2	4.8	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Calibrachoa Kabloom Light Pink Blast Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	3.5	4.0	4.0	Not much color yet. Some chlorosis. A little insect/mite damage, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	5.0	4.3	5.0	4.8	Chlorosis present; Chlorosis present; Chlorosis present



-CONTINUED-

Genus Series Cultivar: Calibrachoa Kabloom Light Pink Blast Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.7	4.0	4.7	4.6

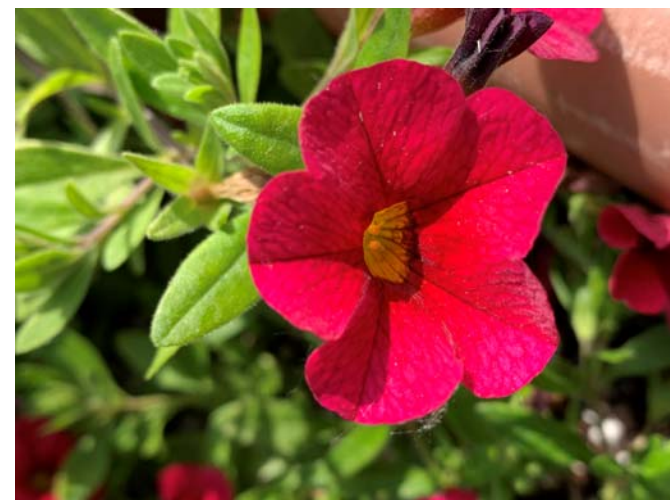
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Calibrachoa Kabloom Orange

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	4.5	5.0	4.9	Not much color yet. A little chlorosis.; Fullest plant out of all calibrachos



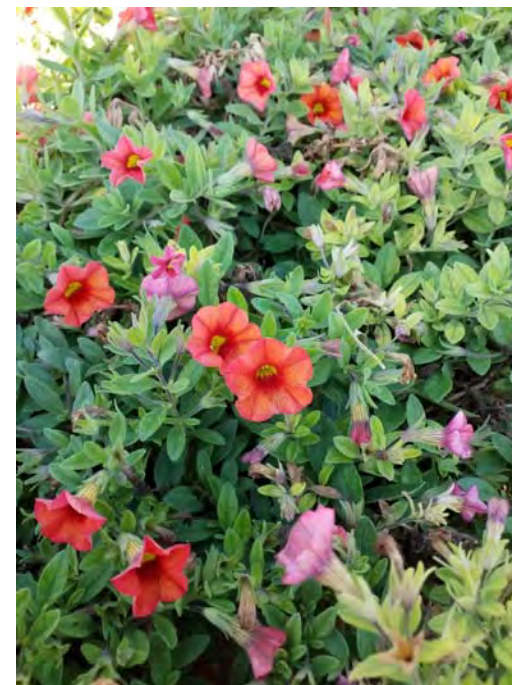
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	Some browning underneath; Chlorosis present



-CONTINUED-

Genus Series Cultivar: Calibrachoa Kabloom Orange Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	5.0	4.5	5.0	4.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Calibrachoa Kabloom Pink Halo

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	5.0	5.0	5.0	Lots of buds coming. A little insect/mite damage, likely from greenhouse.; Flowers are huge



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.3	5.0	4.8	



-CONTINUED-

Genus Series Cultivar: Calibrachoa Kabloom Pink Halo Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	5.0	4.0	5.0	4.5	Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	5.0	4.5	5.0	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



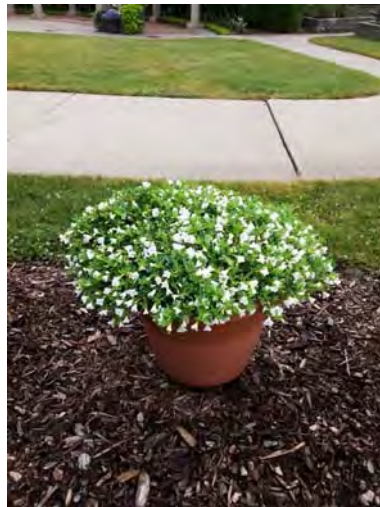
2019 Trial Report

Genus Series Cultivar: Calibrachoa Kabloom White Improved Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	4.0	5.0	4.4	Healthy ; Lots of flowers



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	Chlorosis present



-CONTINUED-

Genus Series Cultivar: Calibrachoa Kabloom White Improved Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	4.7	4.3	5.0	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Calibrachoa MiniFamous Neo Deep Or Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	3.5	3.5	3.8	Purplish tinge possible sunburn? A little chlorosis. Some insect/mite damage, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.0	5.0	4.8	Chlorosis present; Chlorosis present; Very chlorotic



-CONTINUED-

Genus Series Cultivar: Calibrachoa MiniFamous Neo Deep Or Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	3.0	5.0	4.8	Slight chlorosis, but looking pretty green; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.7	3.7	4.5	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Calibrachoa MiniFamous Neo Double Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	3.5	2.5	2.5	2.9	Purplish tinge to foliage. A little chlorosis. Moderate insect/mite damage, likely from greenhouse.; Still showing thrips damage



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.7	3.3	5.0	4.3	



-CONTINUED-

Genus Series Cultivar: Calibrachoa MiniFamous Neo Double Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	3.0	5.0	4.8	Chlorosis present, little color; Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.4	3.0	4.2	4.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Calibrachoa MiniFamous Uno Double P Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.5	3.5	4.5	3.9	Nice deep cherry color in eye. A little chlorosis. A little insect/mite damage, likely from greenhouse.; Center color is more contrasting, looks like carnation



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	5.0	3.3	5.0	4.2	Very chlorotic

-CONTINUED-

Genus Series Cultivar: Calibrachoa MiniFamous Uno Double P Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	5.0	2.0	5.0	4.1	Severe chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	4.9	3.2	4.8	4.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Calibrachoa MiniFamous Uno Double P Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	5.0	4.0	5.0	4.4	Cute! A little insect/mite damage, likely from greenhouse.; Center color is pale, looks like carnation



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.7	4.3	5.0	4.5	

-CONTINUED-

Genus Series Cultivar: Calibrachoa MiniFamous Uno Double P Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.9	4.3	5.0	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



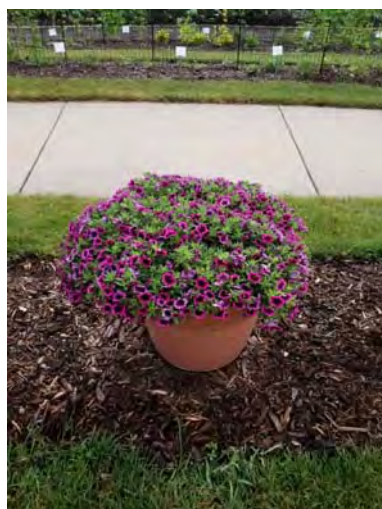
2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Blackcurrant P Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.5	4.0	5.0	4.4	Large flower size lots of color!; More upright, little color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Smothered in flowers



-CONTINUED-

Genus Series Cultivar: Calibrachoa Superbells® Blackcurrant P Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	3.0	5.0	4.8	Chlorosis present, little color; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.9	4.3	5.0	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Double Amber Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.5	3.5	4.5	4.0	Pretty color. A little chlorosis. A little insect/mite damage, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	5.0	4.7	5.0	4.8	Slight chlorosis



-CONTINUED-

Genus Series Cultivar: Calibrachoa Superbells® Double Amber Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.4	4.9	4.2	4.8	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strsss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Double Blue Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	3.5	4.5	4.4	Looks healthy. A little insect/mite damage, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	Color doesnt pop; Slight chlorosis



-CONTINUED-

Genus Series Cultivar: Calibrachoa Superbells® Double Blue Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	5.0	4.2	4.8	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Calibrachoa Superbells® Double Orang Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0	2.0	4.5	3.4	Not filling container yet. Moderate chlorosis. Moderate insect/mite damage likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	5.0	4.3	5.0	4.7	Chlorosis present; Chlorosis present; Very chlorotic



-CONTINUED-

Genus Series Cultivar: Calibrachoa Superbells® Double Orang Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	2.0	5.0	4.6	Severe chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.7	3.2	4.8	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Dreamsicle IM Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	3.5	5.0	4.5	Not much color yet. A little insect/mite damage, likely from greenhouse.; Large flower size



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.3	4.7	4.8	Very chlorotic; Chlorosis present



-CONTINUED-

Genus Series Cultivar: Calibrachoa Superbells® Dreamsicle IM Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	2.0	5.0	4.6	Severe chlorosis and little color; Removed from trial, chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	5.0	3.7	4.8	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



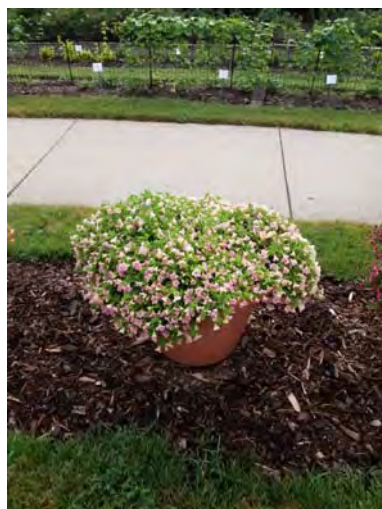
2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Honeyberry Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	4.5	4.5	4.8	Full. Some chlorosis.; Unusual Color



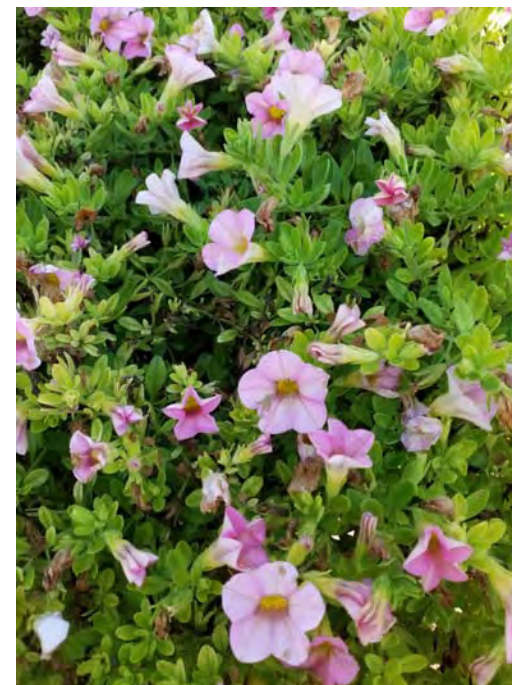
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	3.7	4.7	4.6	Chlorosis present; Very chlorotic; Very chlorotic



-CONTINUED-

Genus Series Cultivar: Calibrachoa Superbells® Honeyberry Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Severe chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	5.0	4.0	4.7	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Tabletop Blue Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.0	4.0	3.0	5.0	3.4	Compact
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	4.7	5.0	4.0	5.0	4.7	Color doesnt pop, compact but filling pot; Noticeably compact
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Genus Series Cultivar: Calibrachoa Superbells® Tabletop Blue Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Chlorosis present, still healthy green on older growth; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	4.8	3.7	5.0	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

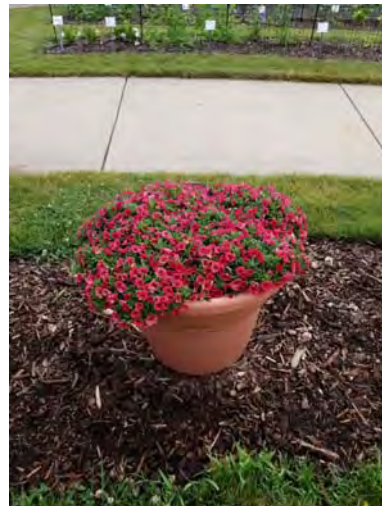
2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Tabletop Red Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	5.0	5.0	5.0	4.3	Compact growth. A little insect/mite damage, likely from greenhouse.; Lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	Compact but filling pot; Noticeably compact



-CONTINUED-

Genus Series Cultivar: Calibrachoa Superbells® Tabletop Red Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Chlorosis present; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	5.0	4.6	5.0	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

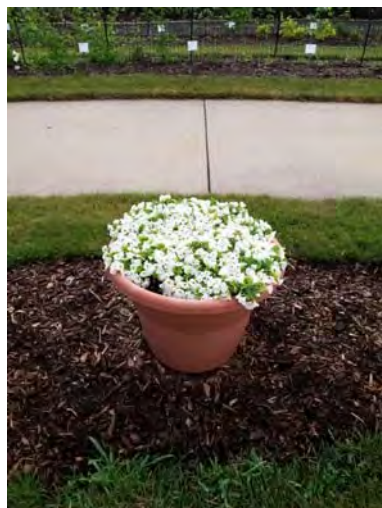
2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Tabletop Whit Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.5	3.0	5.0	4.0	Healthy foliage



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.7	3.7	5.0	4.4	Almost solid white with flowers, compact but filling pot. Chlorosis present; Light chlorosis, noticeably compact; Chlorosis present



-CONTINUED-

Genus Series Cultivar: Calibrachoa Superbells® Tabletop Whit Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.9	Chlorosis present, water spotting on petals; Removed from trial. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.7	3.6	5.0	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Calibrachoa Superbells® Watermelon P Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	5.0	5.0	4.5	5.0	4.8	Dark green healthy foliage ; Lots of color
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	5.0	5.0	4.3	5.0	4.8	
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Michigan State University Annual Trial Gardens
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Genus Series Cultivar: Calibrachoa Superbells® Watermelon P Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Still healthy green; Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	5.0	4.5	5.0	4.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Celosia Kelos Atomic Neon Pink Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	4.0	2.5	2.5	2.9	Flowers faded



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	1.0	2.0	1.0	1.0	1.3	Removed from trial; Removed from trial



-CONTINUED-

Genus Series Cultivar: Celosia Kelos Atomic Neon Pink Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.0			4.0	Removed from trial; Ratings are on the few surviving plants, not the block as a whole



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.5	3.5	2.0	2.0	2.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

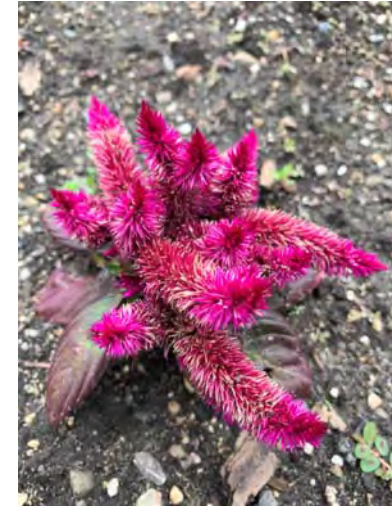
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Celosia Kelos Atomic Violet

Program: Beekenkamp

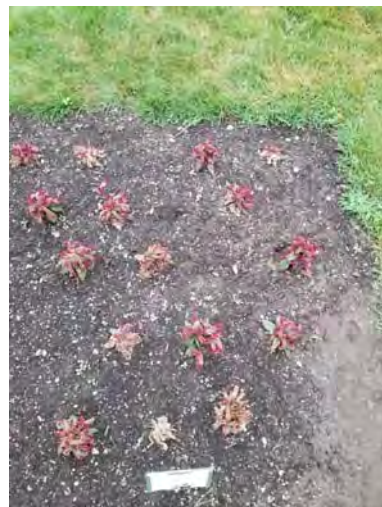
Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 2.0 3.0 2.0 2.5 2.4 Color faded



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 1.0 2.0 1.0 1.0 1.3 Removed from trial; Removed from trial



-CONTINUED-

Genus Series Cultivar: Celosia Kelos Atomic Violet Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.0	4.0			3.0	Removed from trial; Ratings are on the few surviving plants, not the block as a whole



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	1.8	3.0	1.7	2.0	2.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Celosia Kelos Fire Orange

Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 3.5 2.5 2.5 2.9



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 1.0 2.0 1.0 1.0 1.3 Removed from trial; Removed from trial

-CONTINUED-

Genus Series Cultivar: Celosia Kelos Fire Orange Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	3.0			3.0	Removed from trial; Ratings are on the few surviving plants, not the block as a whole



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.5	3.0	2.0	2.0	2.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Celosia Kelos Fire Purple

Program: Beekenkamp

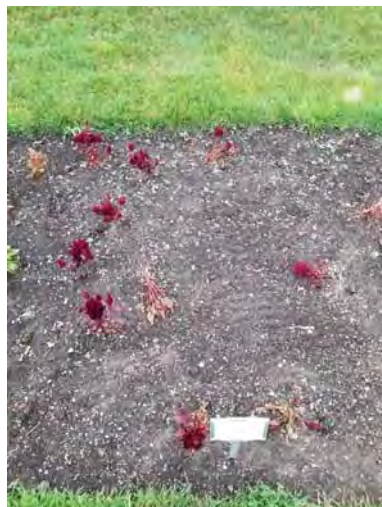
Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 2.5 3.5 2.5 2.5 2.8



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 1.0 2.0 1.0 1.0 1.3 Removed from trial; Removed from trial



-CONTINUED-

Genus Series Cultivar: Celosia Kelos Fire Purple Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	5.0			4.0	Removed from trial; Ratings are on the few surviving plants, not the block as a whole



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.3	3.5	2.0	2.0	2.7

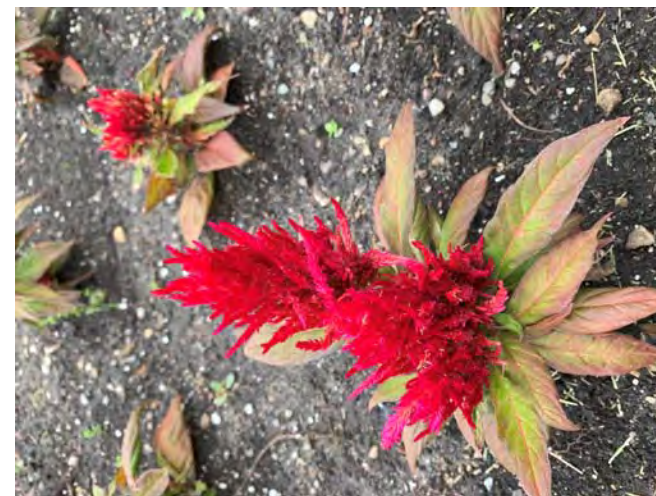
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Celosia Kelos Fire Red

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0	3.0	4.0	3.5	Half of plants are dead. Did not score this week.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	1.0	2.0	1.0	1.0	1.3	Removed from trial; Removed from trial

-CONTINUED-

Genus Series Cultivar: Celosia Kelos Fire Red Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.0		5.0	4.7	Removed from trial; Ratings are on the few surviving plants, not the block as a whole



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.0	3.3	2.0	3.3	3.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Celosia Kelos Fire Scarlet

Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 4.0 3.0 4.0 3.5 Most plants are dead. Did not score this week.



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID Removed from trial; Removed from trial; Removed from trial





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-CONTINUED-

Genus Series Cultivar: Celosia Kelos Fire Scarlet Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE Removed from trial; Removed from trial



Time of Season Vigor Uniform WOW Stress OVERALL

ENTIRE SEASON AVERAGE 3.0 4.0 3.0 4.0 3.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Genus Series Cultivar: Celosia Kelos Fire Yellow

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	4.0	4.0	4.0	4.0	4.0	Most plants are dead. Did not score this week.
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID						Removed from trial; Removed from trial; Removed from trial
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-CONTINUED-

Genus Series Cultivar: Celosia Kelos Fire Yellow Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE Removed from trial; Removed from trial



Time of Season Vigor Uniform WOW Stress OVERALL

ENTIRE SEASON AVERAGE 4.0 4.0 4.0 4.0 4.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Clematis Stand by Me

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.5	3.0	5.0	3.9	Flowering, but not much fuller than when planted; Not much color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.3	3.0	5.0	4.0	



-CONTINUED-

Genus Series Cultivar: Clematis Stand by Me

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	4.5	2.5	5.0	3.9	Still pretty small. Spent flowers are still pretty



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.4	4.4	2.9	5.0	3.9

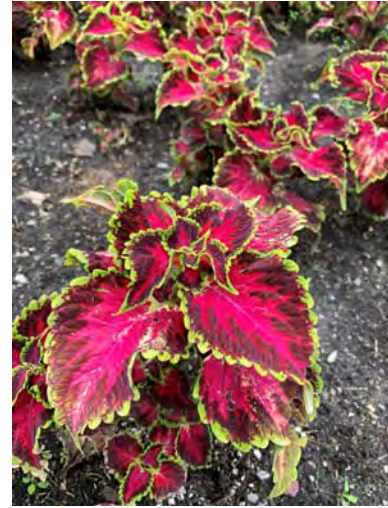
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Coleus Heartbreaker

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.5	4.0	5.0	4.1	Less vigorous



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	5.0	4.7	5.0	4.8	



-CONTINUED-

Genus Series Cultivar: Coleus Heartbreaker Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	A couple flowers; A few flowers



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.9	4.6	5.0	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Coleus ColorBlaze® Wicked Hot™

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.5	3.0	3.5	4.5	3.6	Some variation in foliage color; Some flowering
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	4.0	4.7	4.7	5.0	4.6	Some flowers
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-CONTINUED-

Genus Series Cultivar: Coleus ColorBlaze® Wicked Hot™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	4.0	5.0	5.0	4.6	Some flowers; Some color variation - some have green edges. Quite a few flowers



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.0	4.0	4.4	4.9	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Coleus ColorBlaze® Wicked Witch™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	3.5	5.0	4.3	Great texture, color not that exciting, not very well branched yet



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.7	5.0	5.0	4.9	



-CONTINUED-

Genus Series Cultivar: Coleus ColorBlaze® Wicked Witch™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	No flowers; No flowers



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	4.6	4.6	5.0	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Cosmos Apricot Lemonade

Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	2.5	4.0	3.8	Not flowering yet ; More lanky, some flopping over



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	3.7	3.0	4.7	4.1	Untidy looking, but has that "cottage garden" look; Looking tired and messy, attracts gold finches!



-CONTINUED-

Genus Series Cultivar: Cosmos Apricot Lemonade Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	3.0	1.0	5.0	3.5	Past their prime; Removed from trial



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.8	3.7	2.5	4.5	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Michigan State University Annual Trial Gardens
2019 Trial Report

Genus Series Cultivar: Cosmos Cups & Saucers Mix

Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	5.0	2.5	5.0	4.1	Very strong upright stems, but not well branched, little color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	3.7	3.7	4.3	4.2	Not a bedding plant, but would be cute in the right spot; Untidy looking, but has that "cottage garden" look; Looking tired and messy, attracts gold finches!



-CONTINUED-

Genus Series Cultivar: Cosmos Cups & Saucers Mix Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	3.0	1.0	5.0	3.5	Past their prime; Removed from trial



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.0	2.8	4.7	4.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Cosmos Lemonade

Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.5	3.0	5.0	4.1	Nice and bushy



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	3.3	3.0	4.3	3.9	One rogue dark pink plant; Untidy looking, but has that "cottage garden" look. Is lemonade a mix? We have yellow, dark pink, peach, etc; Looking tired and messy, attracts gold finches!



-CONTINUED-

Genus Series Cultivar: Cosmos Lemonade Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	2.0	1.0	5.0	3.3	Past their prime; Removed from trial



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	3.5	2.7	4.7	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Cosmos Mini click white

Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	3.5	3.0	5.0	4.3	Not flowering yet. Some sunburn.; Little color, but full.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	3.0	3.5	3.0	2.9	Too vigorous for container, constantly dry and wilting; Cant keep it watered in a container; Half of plants are dead



-CONTINUED-

Genus Series Cultivar: Cosmos Mini click white Program: HM Clause

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE

RFT - Done, mostly dead; Removed from trial



Time of Season Vigor Uniform WOW Stress OVERALL

ENTIRE SEASON AVERAGE
5.0 3.3 3.3 3.8 3.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
Plant vigor – does it fill in its space and establish quickly
Plant Uniformity – do all plants in the cultivar entry look similar
‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Dahlia Maggiore Purple

Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 4.5 4.5 5.0 4.5



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.0 4.3 4.3 4.3 4.3 Chlorosis present; Large flower size; Powdery mildew starting

-CONTINUED-

Genus Series Cultivar: Dahlia Maggiore Purple Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.5	4.0	3.0	4.1	Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	4.4	4.3	4.1	4.3

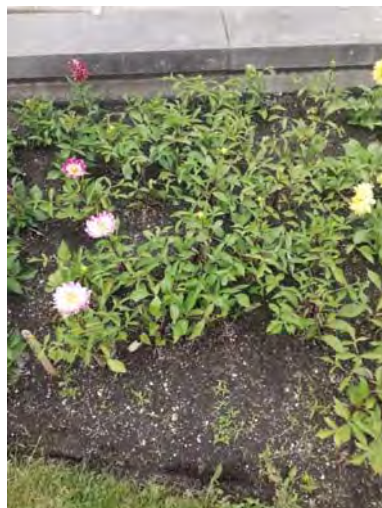
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Dahlia Maggiore Rose Bicolor

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	3.0	5.0	4.4	Little color ; Little color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	3.3	2.7	3.3	3.2	Chlorosis more severe; Yellowing and browning of lower leaves; Powdery mildew starting

-CONTINUED-

Genus Series Cultivar: Dahlia Maggiore Rose Bicolor Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	3.0	1.0	3.5	3.0	No color; No color. Twisted viral-looking foliage



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.0	3.7	2.3	3.9	3.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Dahlia Maggiore Yellow Improved Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	5.0	5.0	4.5	Huge flowers



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.7	3.0	4.3	3.9	Chlorosis present

-CONTINUED-

Genus Series Cultivar: Dahlia Maggiore Yellow Improved Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.5	2.0	4.0	3.6	No color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	4.4	3.3	4.4	4.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Dahlia Venti Red + White

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	5.0	3.5	5.0	4.1	Little color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.7	3.3	5.0	4.3	Super healthy plants but little color right now

-CONTINUED-

Genus Series Cultivar: Dahlia Venti Red + White Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	2.5	4.0	4.0	Almost no color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.0	4.9	3.1	4.7	4.2

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

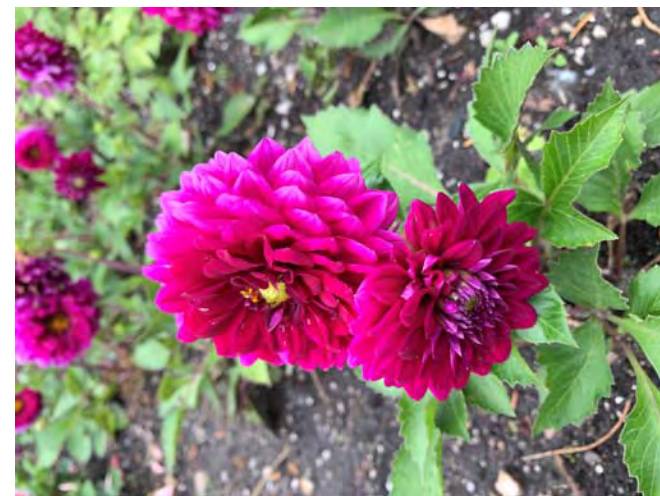
2019 Trial Report

Genus Series Cultivar: Dahlia Venti Royal Purple

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 5.0 3.5 5.0 4.1 Little color



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.3 4.3 4.3 4.3 4.1 Chlorosis present; Mild chlorosis

-CONTINUED-

Genus Series Cultivar: Dahlia Venti Royal Purple Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	4.0	3.0	4.0	3.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.4	4.4	3.7	4.4	4.0
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All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Dahlia Venti Tequila Sunrise Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	5.0	3.0	5.0	4.3	Little color, but well branched; Little color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Most vigorous, very bushy foliage



-CONTINUED-

Genus Series Cultivar: Dahlia Venti Tequila Sunrise Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.5	4.5	4.8	Still lots of color. Best dahlia of the bunch



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	5.0	4.3	4.9	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Echinacea Green Twister Program: Jelitto

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	3.0	2.5	5.0	3.8	One plant very yellow; Not flowering yet, lots of variability in habit. Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.0	4.7	5.0	4.7	Tons of buds and blooms, one plant very chlorotic; Not much green anymore as flowers age; Colors have faded somewhat



-CONTINUED-

Genus Series Cultivar: Echinacea Green Twister Program: Jelitto

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	3.5	3.0	3.0	3.5	Past their prime, but still showy; Powdery mildew very bad



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	3.6	3.6	4.4	4.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Echinacea Mellow Yellows

Program: Jelitto

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	1.0	2.0	5.0	2.2	Lost some plants overwinter. Not blooming.; Only about 3 plants remain, just starting to bloom



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	3.0	4.0	5.0	3.8	Full flower; Some flowers have flat petals, some have tubular petals



-CONTINUED-

Genus Series Cultivar: Echinacea Mellow Yellows Program: Jelitto

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	3.5	3.0	4.0	3.4	Some powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.0	2.6	3.1	4.7	3.2

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Euphorbia Diamond Snow™

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	3.5	3.0	4.0	3.5	A little chlorosis.; Patchy



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.0	3.3	5.0	4.0	Very low growing, not filling in; Newer growth has no flowers and sticks up higher

-CONTINUED-

Genus Series Cultivar: Euphorbia Diamond Snow™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.0	4.5	5.0	4.4	Solid carpet of white



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	3.9	3.6	4.7	4.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Gaillardia Heat it Up™ Scarlet

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	3.5	4.0	4.5	4.1	Rangy and floppy



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.7	4.7	5.0	4.8	

-CONTINUED-

Genus Series Cultivar: Gaillardia Heat it Up™ Scarlet Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	4.0	3.5	4.5	4.1	Lots of pollinator activity; Tired looking



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.1	4.1	4.7	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Gaillardia Heat it Up™ Yellow

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	3.0	3.5	4.0	3.6	Rangy and floppy



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.7	4.7	5.0	4.8	Some holes in bed; Healthier looking and less messy than Scarlet

-CONTINUED-

Genus Series Cultivar: Gaillardia Heat it Up™ Yellow Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.5	5.0	4.5	4.8	Lots of pollinator activity



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.1	4.4	4.6	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

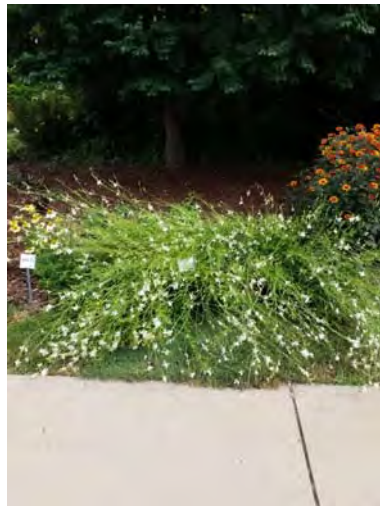
Genus Series Cultivar: Gaura Cool Breeze

Program: Jelitto

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	4.0	5.0	4.7	Not flowering yet, but looks like it will be amazing!; Full bloom, huge!



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.0	4.0	4.5	Top heavy, flopped over, past its prime; Flopped over and top heavy but still attractive



-CONTINUED-

Genus Series Cultivar: Gaura Cool Breeze Program: Jelitto

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.8	Still flopping over



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	5.0	4.0	4.5	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Geranium Galaxy Dark Red

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.5 4.0 4.5 5.0 4.5 Dont seem impacted by cool/rain at all.



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.0 4.7 4.0 5.0 4.4 Less color right now





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Geranium Galaxy Dark Red Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	4.5	4.5	5.0	4.5	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.1	4.4	4.3	5.0	4.5
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

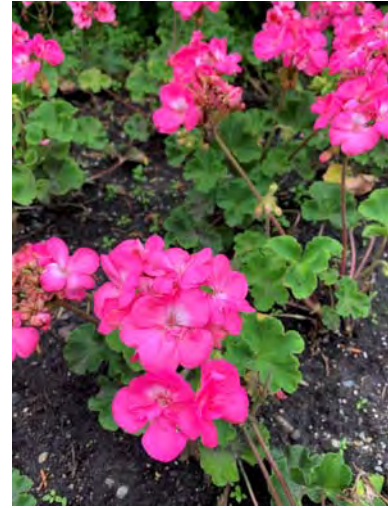
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Geranium Galaxy Pink

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 4.0 4.5 5.0 4.4 Dont seem impacted by cool/rain at all.



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.3 4.7 4.7 5.0 4.7 Some flowers have a pink eye, others do not





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Geranium Galaxy Pink Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.5	5.0	5.0	5.0	4.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.3	4.6	4.7	5.0	4.6
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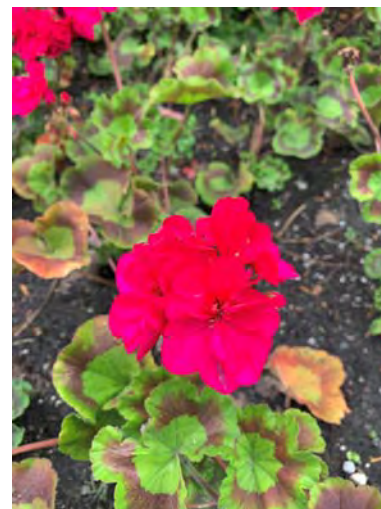
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Geranium Galaxy Violet

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	3.5	5.0	4.1	Dont seem impacted by cool/rain at all. Very strong zonation.; Not much color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.7	5.0	5.0	4.7	Lots of color right now





-CONTINUED-

Genus Series Cultivar: Geranium Galaxy Violet

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	5.0	4.0	5.0	4.5	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.0	4.6	4.3	5.0	4.5
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All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19



Michigan State University Annual Trial Gardens
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Genus Series Cultivar: Geranium Galaxy White

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.5	4.0	3.5	4.5	3.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	4.0	4.7	4.3	5.0	4.5	
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-CONTINUED-

Genus Series Cultivar: Geranium Galaxy White Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	5.0	4.0	5.0	4.5	



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	4.6	4.0	4.9	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Gerbera Sweet Fiesta

Program: Florist Holland

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 2.5 3.5 2.0 4.0 3.0 Weird stunted crinkly foliage; Foliage still a little twisty looking.



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.3 4.0 2.3 5.0 3.7 Not much color right now; Very little color



-CONTINUED-

Genus Series Cultivar: Gerbera Sweet Fiesta Program: Florist Holland

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	3.0	3.0	5.0	3.8	Least color right now



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	3.6	2.4	4.7	3.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Gerbera Sweet Frosting

Program: Florist Holland

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.5 5.0 2.5 5.0 4.3



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.0 4.7 2.3 5.0 4.0 Not much color right now; Almost no color currently; Very little color



-CONTINUED-

Genus Series Cultivar: Gerbera Sweet Frosting Program: Florist Holland

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	3.5	5.0	4.6	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.4	4.9	2.7	5.0	4.3
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Gerbera Sweet Glow

Program: Florist Holland

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.5 4.5 3.0 4.5 3.9



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.7 4.3 4.0 5.0 4.3 Not much color right now



-CONTINUED-

Genus Series Cultivar: Gerbera Sweet Glow Program: Florist Holland

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	5.0	5.0	5.0	4.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.7	4.6	4.0	4.9	4.3
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Gerbera Sweet Memories

Program: Florist Holland

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 5.0 4.0 4.5 4.4



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.7 5.0 4.7 5.0 4.8 Not much color right now; Lots of flowers; Most color right now



-CONTINUED-

Genus Series Cultivar: Gerbera Sweet Memories Program: Florist Holland

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Most color right now



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.6	5.0	4.6	4.9	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Gerbera Sweet Sunset

Program: Florist Holland

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.5	3.0	5.0	4.1	Much longer flower stems



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	3.7	3.3	4.3	3.8	Not much color right now, nice color mix. Chlorosis present; Interveinal chlorosis on some plants



-CONTINUED-

Genus Series Cultivar: Gerbera Sweet Sunset Program: Florist Holland

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	3.5	2.5	3.5	3.5	Interveinal chlorosis; Chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	3.9	3.0	4.3	3.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Helianthus High Hopes

Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	2.0	4.0	4.0	No color, lower leaves unattractive



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	3.0	3.7	3.7	3.8	100" tall, lower leaves looking tired. Plants have single terminal bud, except one plant.; Impressive but impractical; top heavy; Too big for their own good, top-heavy to the point of breaking, squirrels caused a lot of damage





Michigan State University Annual Trial Gardens

2019 Trial Report



-CONTINUED-

Genus Series Cultivar: Helianthus High Hopes Program: Thompson & Morgan

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE

Removed from trial.; Removed from trial



Time of Season Vigor Uniform WOW Stress OVERALL

ENTIRE SEASON AVERAGE 5.0 3.5 3.3 3.8 3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Helianthus maximiliani Early Bird Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	3.5	2.5	4.5	3.3	No branching at all, very spindly - but flowering



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	3.3	3.3	5.0	3.9	Floppy



-CONTINUED-

Genus Series Cultivar: Helianthus maximiliani Early Bird Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	2.0	1.0	2.0	2.0	Powdery mildew, rangy, floppy, no color; Bad powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	3.0	2.4	4.0	3.2

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Helianthus Suncredible™ yellow

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	3.5	5.0	4.3	Not much color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	



-CONTINUED-

Genus Series Cultivar: Helianthus Suncredible™ yellow Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.0	5.0	5.0	4.8	A little messy-looking, but impressive for late-season



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	4.4	4.4	5.0	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Heliopsis Bleeding Hearts Program: Jelitto

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	4.5	4.5	5.0	4.7	Healthy dark foliage, no flowers yet; Great contrast between flowers and dark foliage



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	4.3	4.8	Flowers just keep going and going. Powdery mildew starting



-CONTINUED-

Genus Series Cultivar: Heliopsis Bleeding Hearts Program: Jelitto

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.5	4.5	2.5	4.1	Powdery mildew; Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	4.7	4.7	3.8	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

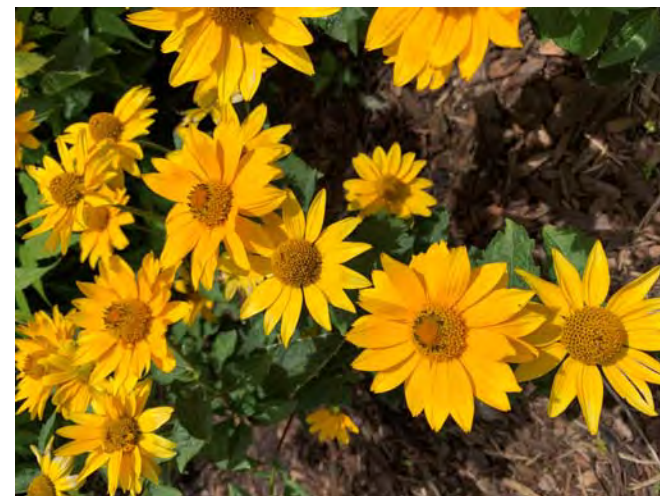
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Heliopsis Tuscan Gold

Program: Walter's Gardens

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 3.5 5.0 4.5 4.3 Not flowering; Full color, some rabbit damage



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.0 4.0 4.7 5.0 4.4

-CONTINUED-

Genus Series Cultivar: Heliopsis Tuscan Gold Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	2.0	1.5	1.5	2.0	Powdery mildew and aphid activity; Have almost disappeared



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	3.3	3.9	3.9	3.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Heliopsis Tuscan Sun

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	2.0	2.0	3.0	2.3	Eaten by rabbits, but coming back.; Recovering from rabbit damage, no color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	3.3	3.3	4.3	3.5	Have regrown well from rabbit damage, just starting to flower; Keeps getting mowed down by rabbits

-CONTINUED-

Genus Series Cultivar: Heliopsis Tuscan Sun Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.0	2.5	1.0	2.0	1.9	Aphid infestation; Have almost disappeared



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.5	2.8	2.3	3.3	2.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Heuchera Wildberry

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	5.0	5.0	4.9	In bloom; Full flower



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Long lasting flower spikes



-CONTINUED-

Genus Series Cultivar: Heuchera Wildberry Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Flowers done



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	5.0	5.0	5.0	5.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Heuchera Northern Exposure Black Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	5.0	5.0	5.0	Blooming; Full flower



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Very tall, long-lasting flower spikes



-CONTINUED-

Genus Series Cultivar: Heuchera Northern Exposure Black Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Flowers still look fresh!; Flowers still holding strong



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	5.0	5.0	5.0	5.0	5.0
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Heuchera Northern Exposure Red Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	3.0	2.0	5.0	3.0	Not blooming



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	2.0	3.3	2.3	5.0	3.2	Very tiny and stunted compared to other Northern Exposures



-CONTINUED-

Genus Series Cultivar: Heuchera Northern Exposure Red Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	4.0	3.5	5.0	3.9	Still some fresh looking flowers; Nice vibrant color



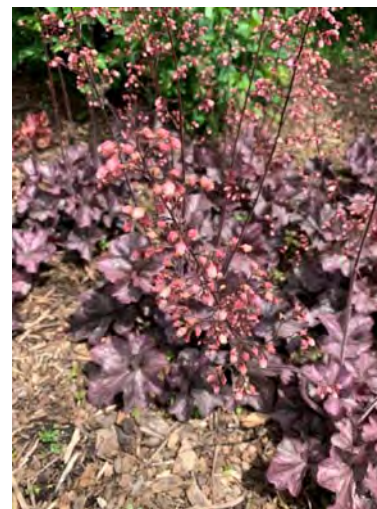
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.3	3.4	2.6	5.0	3.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Heuchera Northern Exposure Silver Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	5.0	5.0	5.0	In bloom; Full flower



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Profuse flowering; Long lasting flower spikes



-CONTINUED-

Genus Series Cultivar: Heuchera Northern Exposure Silver Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Flowers done



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	5.0	5.0	5.0	5.0	5.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Hibiscus Summerific Evening Rose Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	1.0	3.0	1.0	3.0	2.0	Eaten by rabbits.; Hasnt grown much at all



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	4.0	2.3	5.0	3.7	Still very small, no flowers, foliage is very dark now; Finally seems to be growing





Michigan State University Annual Trial Gardens
 2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Hibiscus Summerific Evening Rose Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.5	3.5	1.5	5.0	3.1	Still small, no buds visible; Almost dont notice them. Do see some flower buds!

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.7	3.7	1.8	4.7	3.2

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Michigan State University Annual Trial Gardens
2019 Trial Report

Genus Series Cultivar: Impatiens Rockapulco® Orange Program: Proven Winners

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.5 3.0 3.0 4.5 3.5



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.0 3.3 3.0 3.7 3.3

-CONTINUED-

Genus Series Cultivar: Impatiens Rockapulco® Orange Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	2.5	3.5	3.0	3.1	Some stems are defoliated, not impatiens downy mildew; Some plants are defoliating, but it is not Impatiens Downy Mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	3.0	3.1	3.7	3.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

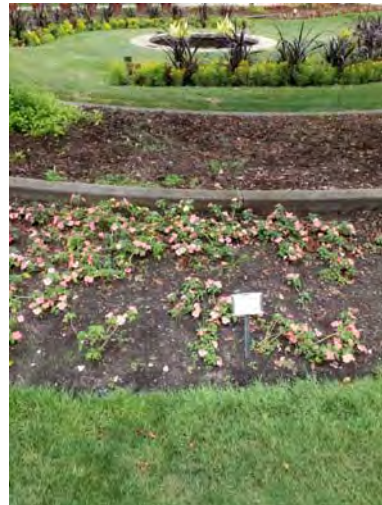


2019 Trial Report

Genus Series Cultivar: *Impatiens walleriana* Beacon Coral Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	1.0	1.5	1.5	1.5	50% of plants with stem rot; Lost quite a few plants, stem rot present

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	2.7	3.3	3.3	3.2	Some new disease starting (Not IPM) sent sample to diagnostic lab today





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Impatiens walleriana Beacon Coral Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	3.5	3.5	4.0	3.8	We sent samples to plant diagnostic lab and results came back inconclusive; Some plants are defoliating, but it is not Impatiens Downy Mildew
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.1	2.4	2.9	3.0	2.9
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Michigan State University Annual Trial Gardens

2019 Trial Report

All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

'WOW' factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: *Impatiens walleriana* Beacon Orange Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	2.5	1.5	2.5	2.3	50% of plants with stem rot; Stem rot present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	2.7	2.7	2.7	3.3	2.8	Some new disease starting (Not IPM) sent sample to diagnostic lab today





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Impatiens walleriana Beacon Orange Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	3.5	3.0	3.0	3.1	We sent samples to plant diagnostic lab and results came back inconclusive; Some plants are defoliating, but it is not Impatiens Downy Mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.7	2.9	2.4	3.0	2.8



Michigan State University Annual Trial Gardens

2019 Trial Report

All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

'WOW' factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: *Impatiens walleriana* Beacon Red Brigh Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	2.5	1.5	2.5	2.3	A little stem rot; Stem rot present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	3.3	3.3	3.7	3.5	Some new disease starting (Not IPM) sent sample to diagnostic lab today





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Impatiens walleriana Beacon Red Brigh Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	4.0	2.5	2.5	3.3	We sent samples to plant diagnostic lab and results came back inconclusive; Some plants are defoliating, but it is not Impatiens Downy Mildew
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.4	3.3	2.6	3.0	3.1
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Michigan State University Annual Trial Gardens

2019 Trial Report

All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

'WOW' factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: *Impatiens walleriana* Beacon Salmon Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	1.5	1.5	1.5	1.5	1.5	A lot of stem rot; Lost quite a few plants, stem rot present

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	2.7	3.0	2.7	3.3	2.9	Some new disease starting (Not IPM) sent sample to diagnostic lab today





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Impatiens walleriana Beacon Salmon Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	2.0	2.0	2.0	2.0	2.0	We sent samples to plant diagnostic lab and results came back inconclusive; Some plants are defoliating, but it is not Impatiens Downy Mildew
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	2.1	2.3	2.1	2.4	2.3
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Michigan State University Annual Trial Gardens

2019 Trial Report

All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

'WOW' factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: *Impatiens walleriana* Beacon Violet Sh Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	2.0	1.5	2.0	1.9	A lot of stem rot; Stem rot present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	3.7	3.3	3.7	3.6	Some new disease starting (Not IPM) sent sample to diagnostic lab today



Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Impatiens walleriana Beacon Violet Sh Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.0	2.5	3.0	3.0	We sent samples to plant diagnostic lab and results came back inconclusive; Some plants are defoliating, but it is not Impatiens Downy Mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.1	3.0	2.6	3.0	2.9



Michigan State University Annual Trial Gardens

2019 Trial Report

All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

'WOW' factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

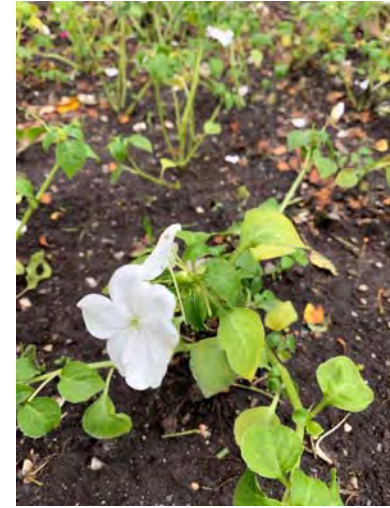
'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: *Impatiens walleriana* Beacon White Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	2.0	1.5	2.5	2.1	A little stem rot



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.0	4.0	3.7	3.9	Some new disease starting (Not IPM) sent sample to diagnostic lab today



-CONTINUED-

Genus Series Cultivar: Impatiens walleriana Beacon White Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	3.0	3.5	3.5	3.6	We sent samples to plant diagnostic lab and results came back inconclusive



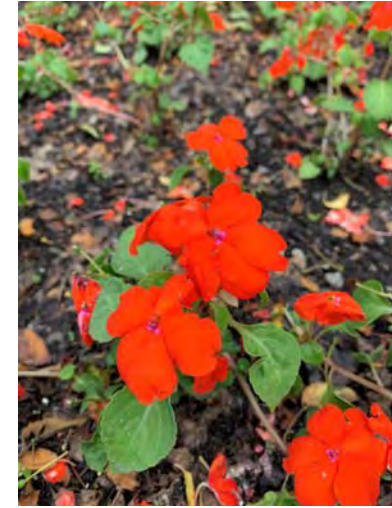
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	3.1	3.1	3.3	3.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

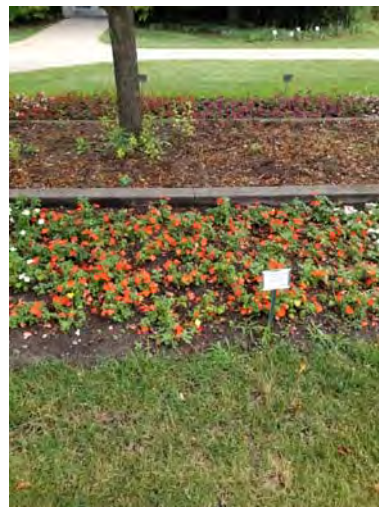
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: *Impatiens walleriana* Super Elfin Brigh Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	1.5	1.5	2.0	1.8	A lot of stem rot



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	3.7	3.3	3.3	3.4	Still very small



-CONTINUED-

Genus Series Cultivar: Impatiens walleriana Super Elfin Brigh Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	3.5	3.0	4.0	3.4	Some plants are defoliating, but it is not Impatiens Downy Mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.9	3.0	2.7	3.1	2.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: *Impatiens walleriana* Super Elfin XP W Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	1.5	1.5	2.0	1.8	A lot of stem rot



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	2.7	3.0	2.0	3.3	2.8	Still very small



-CONTINUED-

Genus Series Cultivar: Impatiens walleriana Super Elfin XP W Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.0	3.0	2.0	4.0	2.8	Some plants are defoliating, but it is not Impatiens Downy Mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.3	2.6	1.9	3.1	2.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Impatiens, New Guinea Florific Sweet Program: Fleuroselect

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	1.0	2.0	2.0	2.0	1.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	0.0	0.0	0.0	0.0	0.0	Un-sponsored; Removed from trial
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Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Impatiens, New Guinea Florific Sweet Program: Fleuroselect

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE

RFT



Time of Season Vigor Uniform WOW Stress OVERALL

ENTIRE SEASON AVERAGE 0.5 1.0 1.0 1.0 0.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Ipomoea Sweet Caroline Red Hawk Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	5.0	5.0	5.0	Nice color; Beautiful color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID 5.0 5.0 5.0 5.0 5.0



-CONTINUED-

Genus Series Cultivar: Ipomoea Sweet Caroline Red Hawk Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	5.0	5.0	5.0	5.0	5.0
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Isotoma Patti's Pink™

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	5.0	3.0	4.5	3.9	Not much color yet



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.3	3.0	4.7	4.0	Foliage getting brown and crispy; Turning brown at base; Brown foliage at base of plants



-CONTINUED-

Genus Series Cultivar: Isotoma Patti's Pink™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.0	1.5	4.5	3.1	Little color; No color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.6	4.1	2.6	4.6	3.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Lantana Bloomify Mango

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	5.0	2.5	4.5	3.9	A little sunburn.; No color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.0	5.0	4.8	Almost no color; Not much color right now



-CONTINUED-

Genus Series Cultivar: Lantana Bloomify Mango Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.5	5.0	4.9	Less color than others



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.6	5.0	3.7	4.9	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

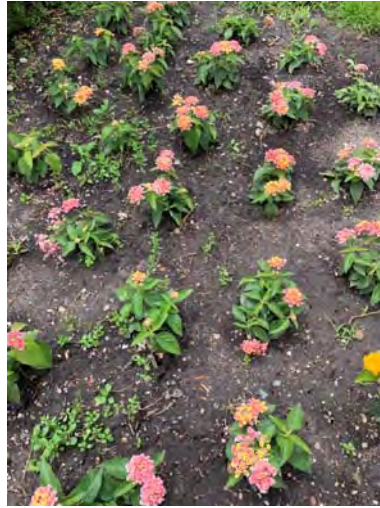
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Lantana Lucky Peach

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 4.0 2.5 4.5 3.5 No color



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.7 5.0 4.0 5.0 4.4 Almost no color; Very compact



-CONTINUED-

Genus Series Cultivar: Lantana Lucky Peach Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	5.0	5.0	5.0	4.8	Very low to the ground, lots of pollinator activity



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.6	4.7	3.9	4.9	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Genus Series Cultivar: Lantana Luscious® Goldengate™

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	3.0	2.5	4.0	2.9	Little color, plants still tiny



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.0	4.7	5.0	4.5	Swallowing up neighboring trials, much more rangy



-CONTINUED-

Genus Series Cultivar: Lantana Luscious® Goldengate™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	3.5	5.0	5.0	4.6	A little rangy and wild, lots of pollinator activity; Not uniform, wild and rangy



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	3.6	4.1	4.7	4.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Morning Glory Mini Sky-Blue

Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	1.0	1.5	1.0	1.5	1.3	Pretty severely eaten by rabbits; Still tiny, eaten by rabbits



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.7	2.7	5.0	4.1	Finally climbing the trellis, still no color; Finally flowering, covering trellis; Blooming but few flowers, nice color



-CONTINUED-

Genus Series Cultivar: Morning Glory Mini Sky-Blue Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	3.5	5.0	4.6	Not a ton of blooms, but has covered trellis very nicely



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.4	3.9	2.4	4.0	3.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

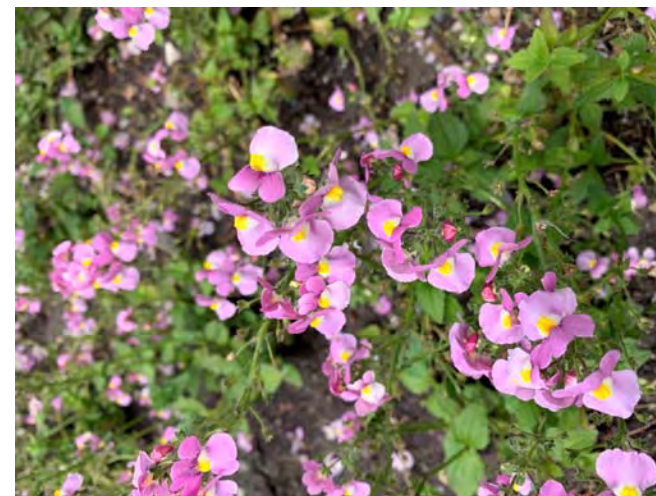
2019 Trial Report

Genus Series Cultivar: **Nemesia Aromance™ Pink**

Program: **Proven Winners**

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.5 3.5 3.0 3.5 3.4 Lots of blooms, see lots of new growth; Still scraggly



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.7 3.7 4.0 4.7 4.0 Uneven. Chlorosis present; Lots of color

-CONTINUED-

Genus Series Cultivar: Nemesia Aromance™ Pink Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	4.0	3.5	4.5	3.9	Dull color, but lots of it



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.6	3.7	3.6	4.3	3.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: **Nemesia Sunsatia® Cranberry Red** Program: **Proven Winners**

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 4.0 2.5 3.0 3.1 little color; Still scraggly



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 2.3 2.3 1.7 3.0 2.3 Not sure why it looks so bad compared to its neighbor



-CONTINUED-

Genus Series Cultivar: **Nemesia Sunsatia® Cranberry Red** Program: **Proven Winners**

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.0	1.5	1.5	3.5	2.1	Would expect more color now that it is fall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.4	2.6	1.9	3.1	2.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Osteospermum Bright Lights™ Berry R Program: Proven Winners

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 2.5 2.5 4.0 3.0



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.7 2.7 3.0 4.7 3.8 Very non-uniform; Flopping over, mixture of colors (is it supposed to be a mix?)



-CONTINUED-

Genus Series Cultivar: Osteospermum Bright Lights™ Berry R Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	3.0	3.0	5.0	4.0	Little color; Would expect more color now that it is fall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	2.7	2.9	4.6	3.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

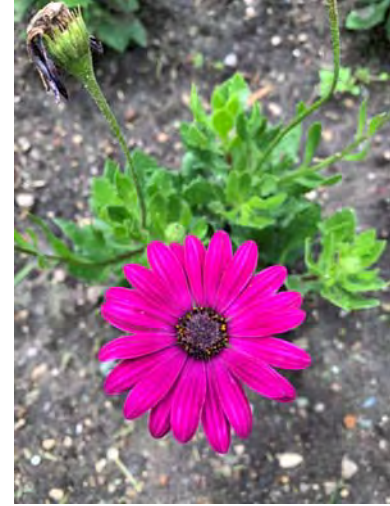


Michigan State University Annual Trial Gardens
2019 Trial Report

Genus Series Cultivar: Osteospermum Bright Lights™ Purple Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	4.0	5.0	3.0	4.5	4.1	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	4.3	4.3	3.7	5.0	4.3	Possible mole activity damaging plants
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-CONTINUED-

Genus Series Cultivar: Osteospermum Bright Lights™ Purple Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	2.5	5.0	4.3	Little color; Would expect more color now that it is fall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	4.7	3.1	4.9	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Osteospermum Bright Lights™ White Program: Proven Winners

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 5.0 4.0 4.0 4.3



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 5.0 5.0 4.3 5.0 4.8 Flower stems are floppy and lay down on top of foliage



-CONTINUED-

Genus Series Cultivar: Osteospermum Bright Lights™ White Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.8	Would expect more color now that it is fall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.8	5.0	4.2	4.8	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Osteospermum Sunny Harmony Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 2.5 3.5 2.0 4.0 3.0



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 2.7 4.0 2.0 4.3 3.3



-CONTINUED-

Genus Series Cultivar: Osteospermum Sunny Harmony Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.5	3.0	1.5	4.0	2.8	Little color; Would expect more color now that it is fall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.6	3.6	1.9	4.1	3.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Osteospermum Sunny Harry

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	4.0	5.0	1.5	4.5	3.8	no color
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	5.0	4.7	3.3	5.0	4.5	Unusual icy-blue color!
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-CONTINUED-

Genus Series Cultivar: Osteospermum Sunny Harry Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.5	2.0	5.0	4.1	Little color; Would expect more color now that it is fall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.7	2.4	4.9	4.2

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

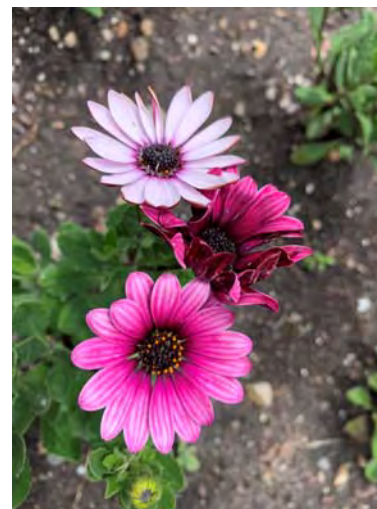
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Osteospermum Sunny Haylie

Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 3.5 3.0 4.0 3.4 Is this a mix?



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.3 4.3 2.3 4.7 3.7



-CONTINUED-

Genus Series Cultivar: Osteospermum Sunny Haylie Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	4.5	3.0	4.5	3.8	Would expect more color now that it is fall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.1	4.1	2.7	4.4	3.6

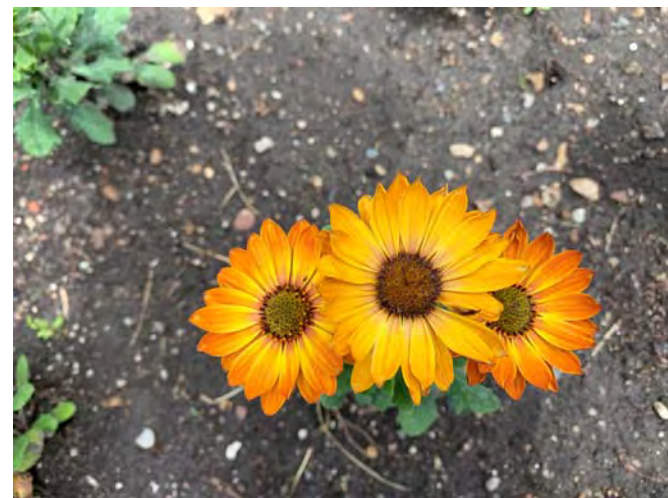
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Osteospermum Sunny Hazel

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	4.5	3.5	4.0	3.6	Nice autumn color blend



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	4.0	2.0	4.7	3.4	

-CONTINUED-

Genus Series Cultivar: Osteospermum Sunny Hazel Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	4.5	3.0	4.5	3.8	Would expect more color now that it is fall



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.9	4.3	2.7	4.4	3.6

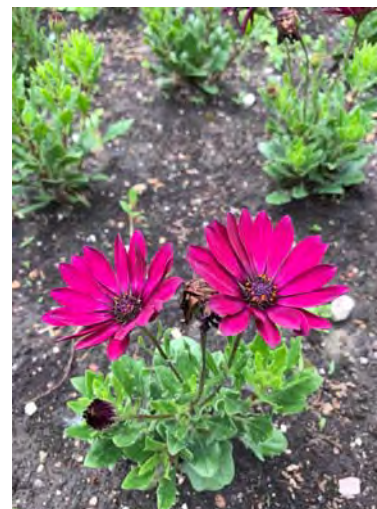
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Osteospermum Sunny Heike

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.5	5.0	4.5	4.4	Lots of color; Most flowers



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.3	3.7	5.0	4.3	Best looking of the bunch right now



-CONTINUED-

Genus Series Cultivar: Osteospermum Sunny Heike Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.0	4.5	5.0	4.6	Most color of all osteos right now; Most color of all osteos in trial



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	4.3	4.3	4.9	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Penstemon Dakota Burgundy Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.5	3.0	5.0	4.1	50% sending up flowers stalk; Half flowering



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.0	5.0	4.8	All flowering; Dark color is showier



-CONTINUED-

Genus Series Cultivar: Penstemon Dakota Burgundy Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	3.5	5.0	4.6	After flowering, the burgundy is more eye-catching than verde



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.9	3.6	5.0	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Penstemon Dakota Verde

Program: Terra Nova

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 4.0 3.0 5.0 4.0 Not blooming; 1 plant out of 8 flowering, huge flower head



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 5.0 5.0 3.7 5.0 4.7 Most flowering; Mostly done flowering



-CONTINUED-

Genus Series Cultivar: Penstemon Dakota Verde Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.5	3.0	5.0	4.1	After flowering, the burgundy is more eye-catching than the verde



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.4	4.6	3.3	5.0	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Pentas Sunstar™ Lavender

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.5	4.0	5.0	4.3	Doing really well, lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.7	3.3	5.0	4.2	Purple tinge to foliage

-CONTINUED-

Genus Series Cultivar: Pentas Sunstar™ Lavender Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.5	4.0	5.0	4.4	Back into bloom; Back into full bloom



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	4.6	3.7	5.0	4.3

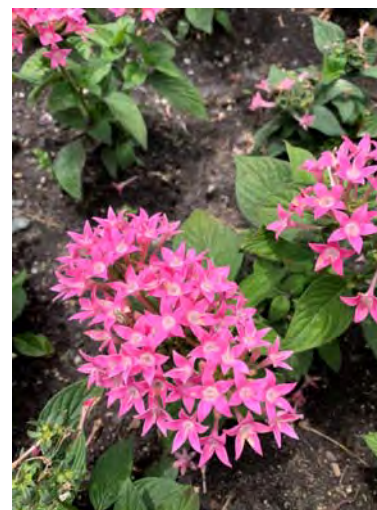
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Pentas Sunstar™ Pink

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.0	4.0	4.5	4.0	Doing really well, lots of color; Leaves more yellow-green, chlorosis present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	4.0	3.7	5.0	4.0	Chlorosis present; In between blooms



-CONTINUED-

Genus Series Cultivar: Pentas Sunstar™ Pink Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.5	3.5	5.0	4.3	Back into bloom; Back into full bloom



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.6	4.1	3.7	4.9	4.1

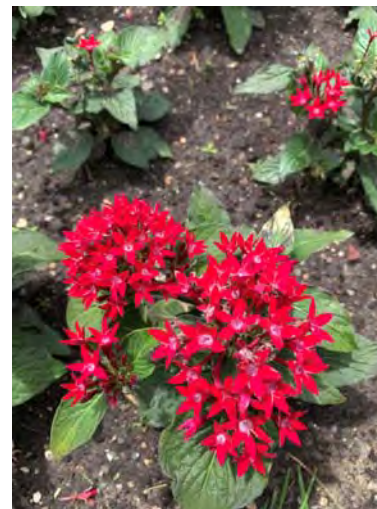
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Pentas Sunstar™ Red

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0	4.5	4.5	4.0	Doing really well, lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	4.7	3.0	5.0	3.9	Still very small, in between blooms



-CONTINUED-

Genus Series Cultivar: Pentas Sunstar™ Red Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	5.0	3.5	5.0	4.4	Back into bloom; Back into full bloom



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	4.6	3.6	4.9	4.1

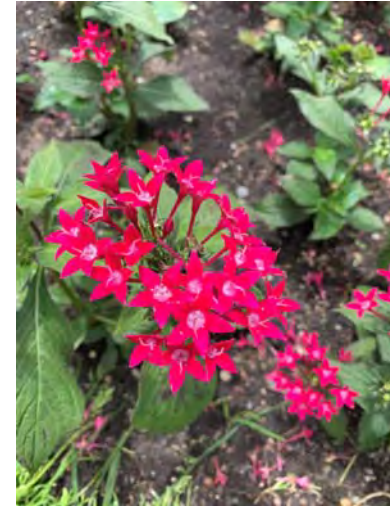
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Pentas Sunstar™ Rose

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	5.0	4.0	5.0	4.5	Doing really well, lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	4.7	3.7	5.0	4.2	Purple tinge to foliage; In between blooms



-CONTINUED-

Genus Series Cultivar: Pentas Sunstar™ Rose Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	5.0	5.0	5.0	4.8	Back into bloom; Back into full bloom



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	4.8	4.2	5.0	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Pepper Fire Away™ Hot and Heavy™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0		5.0	4.2	Lots of small fruits



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	3.7	4.0	5.0	4.2	Some plants top-heavy from fruit and falling over. Some red fruit; Highly variable size and shape of fruit; Covered in fruit, but fruit very variable



-CONTINUED-

Genus Series Cultivar: Pepper Fire Away™ Hot and Heavy™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.0	4.0	5.0	3.9	Most plants top-heavy and falling over; So heavy with fruit that almost all plants have fallen over



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	3.6	4.0	5.0	4.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Pepper Rootstock Ultrun

Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	3.0		5.0	3.3	Flower buds visible



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	3.3	3.0	5.0	3.9	Lots of flowers, a few fruit; Fruit forming



-CONTINUED-

Genus Series Cultivar: Pepper Rootstock Ultrion Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	3.5	4.0	5.0	4.1	Lots of fruit set, some starting to turn orange!; Many fruit on each plant. No signs of disease



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.6	3.3	3.5	5.0	3.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Petunia ColorRush Pink

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	4.0	4.5	4.0	5.0	4.4	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	5.0	5.0	4.7	4.7	4.8	Not as lush as before
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Genus Series Cultivar: Petunia ColorRush Pink Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.5	4.0	4.0	4.4	Tired looking



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.7	4.3	4.6	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

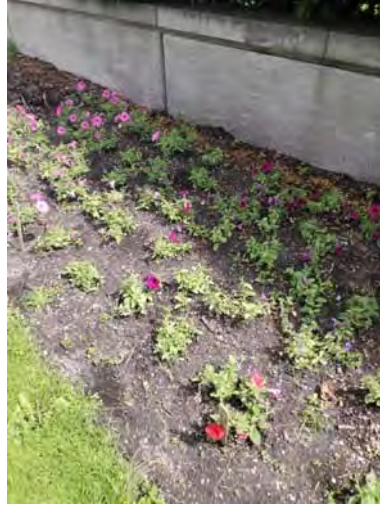


2019 Trial Report

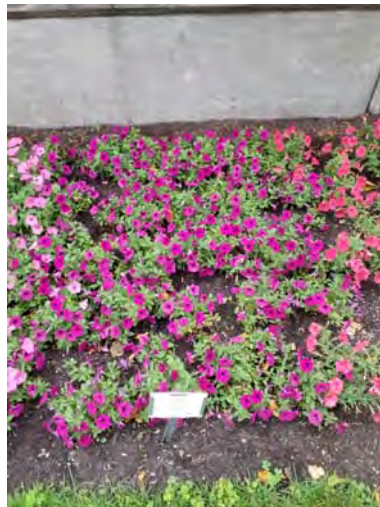
Genus Series Cultivar: Petunia ColorRush Purple

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	4.0	3.0	4.5	3.5	Still small, little color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	4.0	3.7	4.3	3.8	Not looking as good this week



-CONTINUED-

Genus Series Cultivar: Petunia ColorRush Purple Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.0	2.0	1.0	5.0	2.5	Lots of dead plants; Removed from trial



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.8	3.7	3.0	4.5	3.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Petunia ColorRush Watermelon Red Program: Ball Horticulture

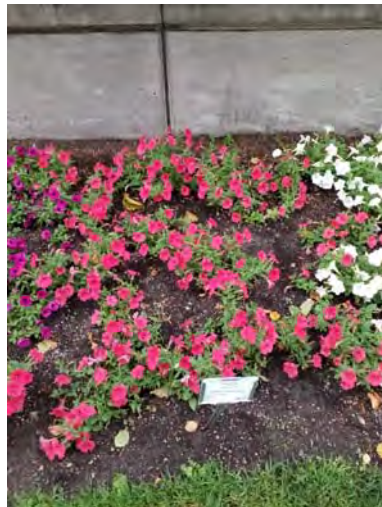
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.5	4.0	3.5	5.0	4.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	3.3	3.7	3.3	4.3	3.7	Not filled in yet; Not looking as good this week
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Genus Series Cultivar: Petunia ColorRush Watermelon Red Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.0	2.0	2.0	5.0	2.8	Removed from trial



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.2	3.5	3.2	4.7	3.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

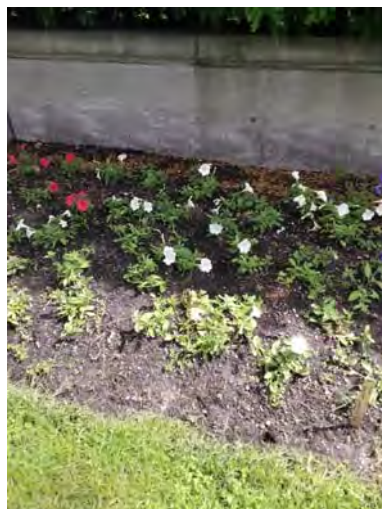


2019 Trial Report

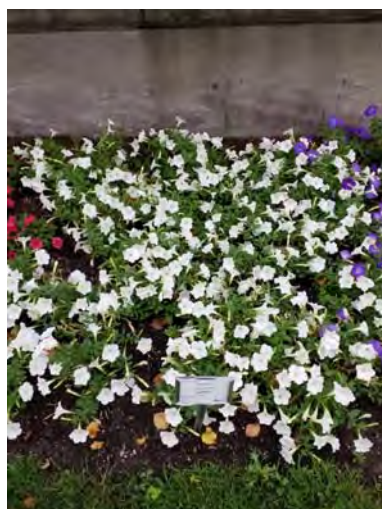
Genus Series Cultivar: Petunia ColorRush White

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.5	4.0	5.0	4.3	A little chlorosis.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	4.7	5.0	5.0	4.8	



-CONTINUED-

Genus Series Cultivar: Petunia ColorRush White Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.5	5.0	4.9	Still showing off



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.4	4.7	4.6	5.0	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Petunia Easy Wave Lavender Sky Blue Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	3.5	3.0	5.0	3.6	Rangy color, doesnt pop



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	3.7	4.0	5.0	4.3	Not filled in yet; Not much color, still not filling out bed



-CONTINUED-

Genus Series Cultivar: Petunia Easy Wave Lavender Sky Blue Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.5	2.5	4.5	3.5	Tired looking



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	3.6	3.3	4.9	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



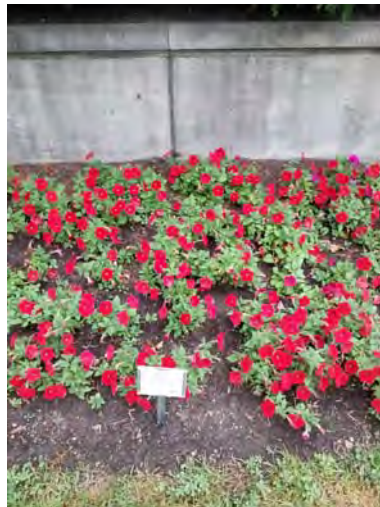
2019 Trial Report

Genus Series Cultivar: Petunia Easy Wave Red Improved Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	3.0	3.0	5.0	3.3	Upright ; Noticable pollen sacs visible



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.0	4.0	5.0	4.3	Not filled in yet



-CONTINUED-

Genus Series Cultivar: Petunia Easy Wave Red Improved Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	3.5	3.0	5.0	3.6	Tired looking



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.1	3.6	3.4	5.0	3.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

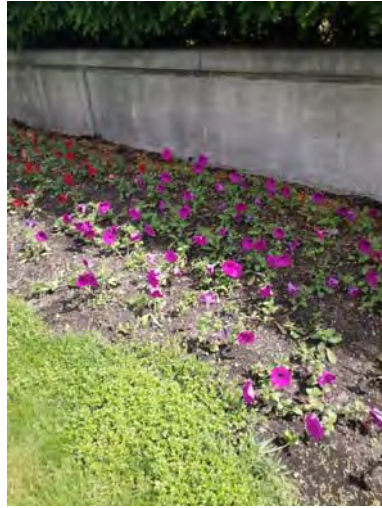
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Petunia Easy Wave Violet Improved Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	3.5	3.5	5.0	4.1	Large flower size



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	4.7	4.8	Not as lush as before

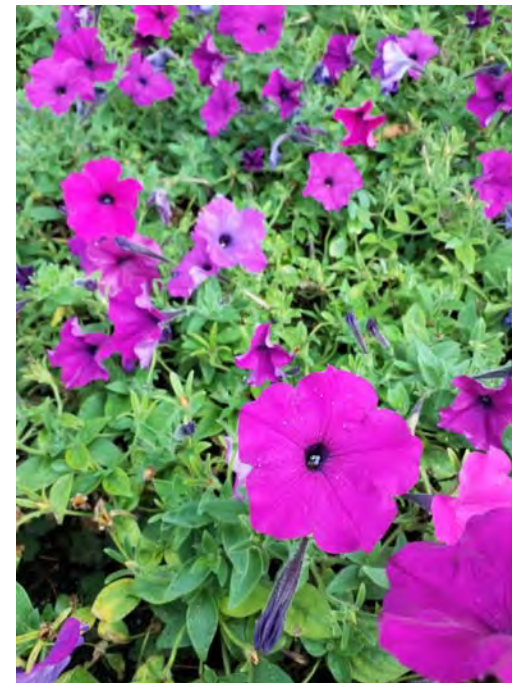


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Genus Series Cultivar: Petunia Easy Wave Violet Improved Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.5	5.0	3.5	4.5	4.4	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.7	4.6	4.0	4.7	4.5
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

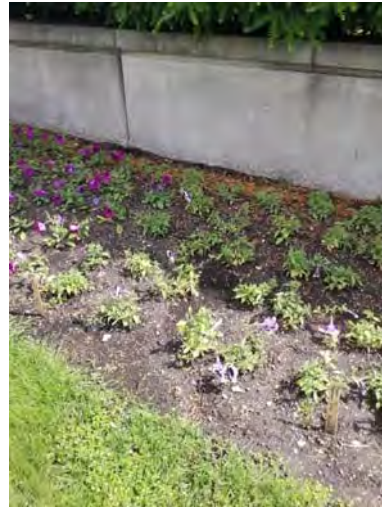


2019 Trial Report

Genus Series Cultivar: Petunia Headliner Dark Violet Picotee Program: Ball Horticulture

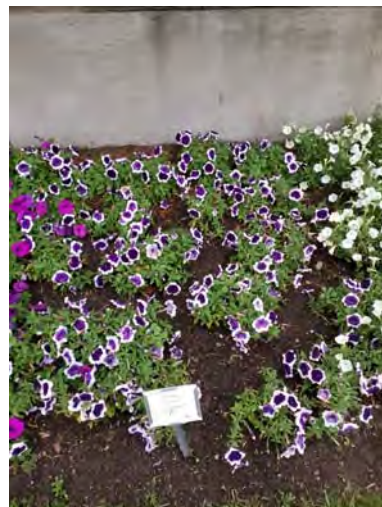
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.5	4.0	3.5	5.0	4.0	Very little color ; Some purple centers faded
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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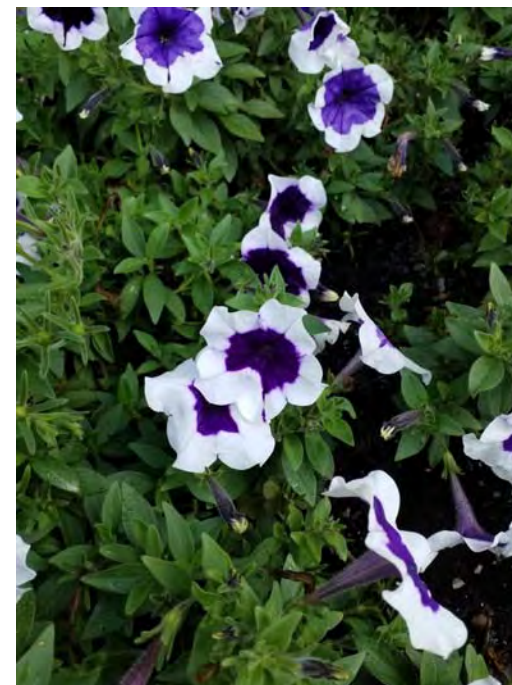
MID	4.0	4.0	3.3	5.0	4.1	Purple fading as flowers age. Not filled in yet.
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Genus Series Cultivar: Petunia Headliner Dark Violet Picotee Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.5	3.0	5.0	4.1	Not much color right now



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	4.1	3.3	5.0	4.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

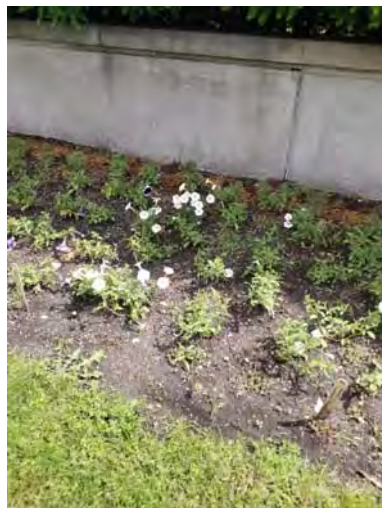
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Petunia Supertunia Vista® Snowdrift™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	4.0	5.0	4.4	Flowering very non uniformly



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	4.3	4.0	5.0	4.5	



-CONTINUED-

Genus Series Cultivar: Petunia Supertunia Vista® Snowdrift™ Program: Proven Winners

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE 5.0 5.0 4.5 5.0 4.9



Time of Season Vigor Uniform WOW Stress OVERALL

ENTIRE SEASON AVERAGE 4.7 4.4 4.1 5.0 4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Petunia Supertunia® Mini Vista Indigo I Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	4.0	5.0	4.3	Beautiful mix of purple shades



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Solid carpet of flowers. Won "Viewers Choice Best Petunia during our Garden Day event on August 3, 2019.

-CONTINUED-

Genus Series Cultivar: Petunia Supertunia® Mini Vista Indigo I Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	4.5	5.0	4.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.8	4.8	4.7	5.0	4.8
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

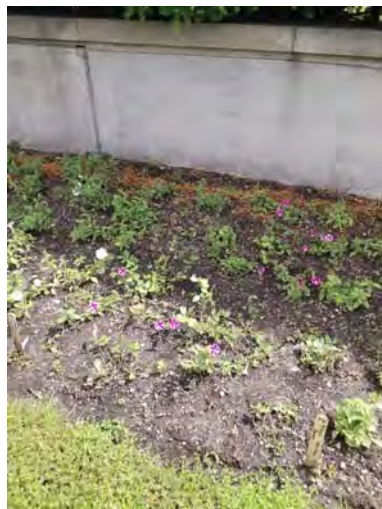
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



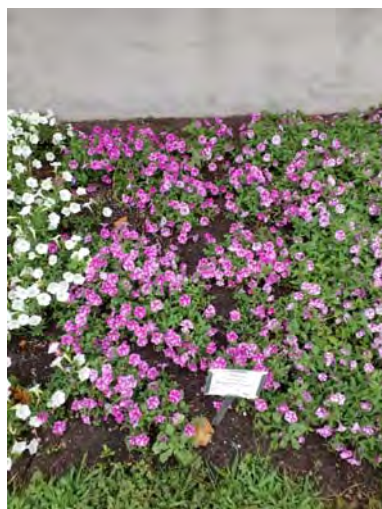
2019 Trial Report

Genus Series Cultivar: Petunia Supertunia® Raspberry Rush™ Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	3.0	3.5	5.0	3.6	Almost no color ; Fun pattern, but still quite small



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.7	4.7	5.0	4.7	Not filled in yet; Solid carpet of flowers



-CONTINUED-

Genus Series Cultivar: **Petunia Supertunia® Raspberry Rush™** Program: **Proven Winners**

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	5.0	4.5	5.0	4.6	Very compact and low to the ground



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	4.3	4.3	5.0	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Genus Series Cultivar: Petunia Supertunia® Sharon

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	3.0	5.0	4.2	No color ; Not as much color as other petunias



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.3	5.0	4.8	Color does not pop, flowers hidden behind foliage





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Petunia Supertunia® Sharon Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.5	4.0	5.0	4.6	Less color right now



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.6	4.0	5.0	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Petunia Tea Blue

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	2.0	2.0	3.0	2.3	Purplish tinge to some leaves, not looking good. Some rain damage. Some chlorosis.; Getting taken over by weeds



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	1.3	1.7	1.3		1.4	Poor performance compared to other teas. Chlorosis present



-CONTINUED-

Genus Series Cultivar: Petunia Tea Blue

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.0	2.0	2.0	5.0	2.8	Removed from trial



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	1.7	1.8	1.7	3.7	1.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

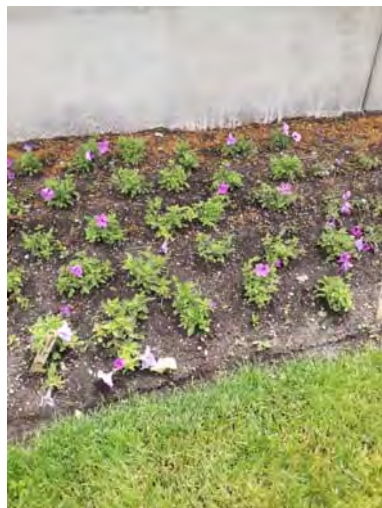


2019 Trial Report

Genus Series Cultivar: Petunia Tea Light Violet

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.0	4.0	5.0	4.1	Large flower size



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	4.7	4.7	5.0	4.8	



-CONTINUED-

Genus Series Cultivar: Petunia Tea Light Violet Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	4.5	5.0	4.8	Very low to the ground



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	4.6	4.4	5.0	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Petunia Tea Purple Vein

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	1.0	1.0	2.0	2.5	1.5	Not happy. Moderate rain damage. Moderate stem rot.; Half of plants are dead



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	1.0	1.0	1.0		1.0	Poor performance, chlorosis present



-CONTINUED-

Genus Series Cultivar: Petunia Tea Purple Vein Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE

Removed from trial; Removed from trial



Time of Season Vigor Uniform WOW Stress OVERALL

ENTIRE SEASON AVERAGE
1.0 1.0 1.3 2.5 1.2

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Petunia Tea Purple White Edge Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	2.0	2.5	3.5	2.6	Not happy ; Not full



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	4.0	3.7	5.0	4.0	



-CONTINUED-

Genus Series Cultivar: Petunia Tea Purple White Edge Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	3.5	3.5	4.0	3.5	Tired looking



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.0	3.3	3.3	4.3	3.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Petunia Tea Red

Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.5	4.0	3.5	5.0	4.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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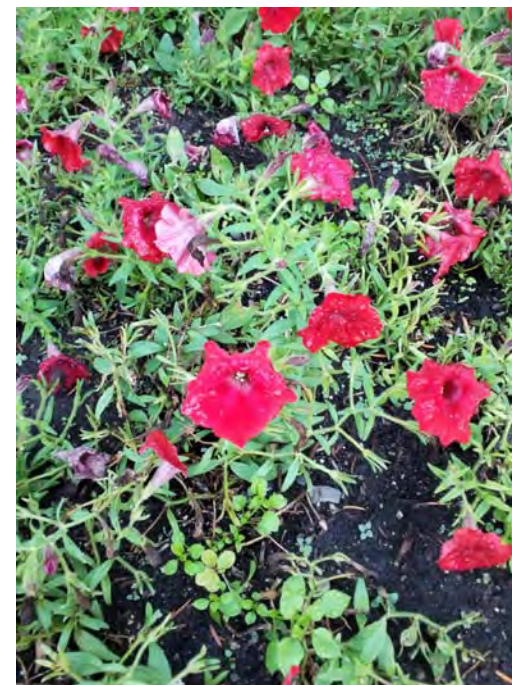
MID	3.3	3.7	3.7	5.0	3.9	
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Genus Series Cultivar: Petunia Tea Red Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	2.0	3.0	5.0	3.3	Removed from trial



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	3.5	3.5	5.0	3.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



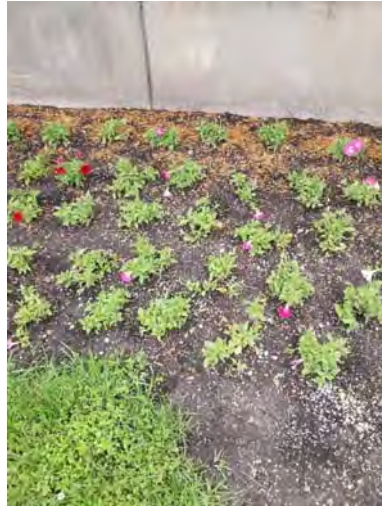
2019 Trial Report

Genus Series Cultivar: Petunia Tea Rose Morn

Program: Beekenkamp

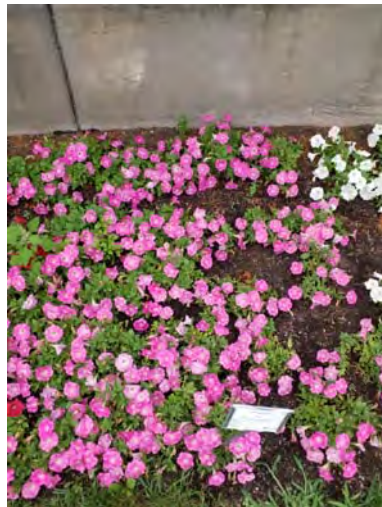
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.5	4.0	3.5	5.0	4.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	4.3	4.0	4.7	5.0	4.5	
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Genus Series Cultivar: Petunia Tea Rose Morn Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.5	3.0	4.5	3.6	Tired looking



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	3.9	3.9	4.9	4.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

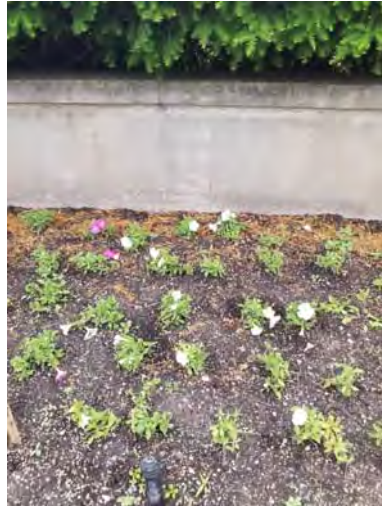
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Petunia Tea White

Program: Beekenkamp

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.0 3.0 3.5 5.0 3.6



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 3.3 3.7 3.3 5.0 3.8



-CONTINUED-

Genus Series Cultivar: Petunia Tea White Program: Beekenkamp

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.0	3.0	4.5	3.5	Tired looking



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	3.3	3.3	4.9	3.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

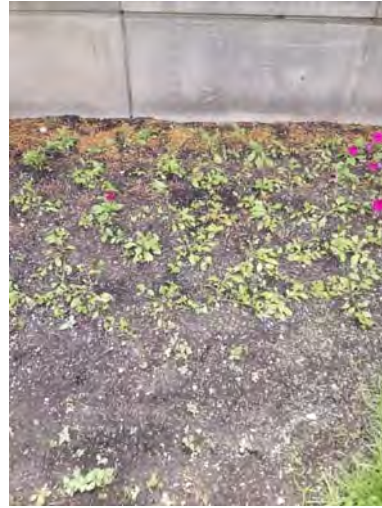


2019 Trial Report

Genus Series Cultivar: Petunia Wave Carmine Velour Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.5	3.0	3.0	5.0	3.6	Little color
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	4.3	5.0	4.0	5.0	4.6	Vigorous but not much flower power
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Genus Series Cultivar: Petunia Wave Carmine Velour Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	3.0	4.5	4.4	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.3	4.4	3.4	4.9	4.3
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Petunia Wave Purple

Program: Ball Horticulture

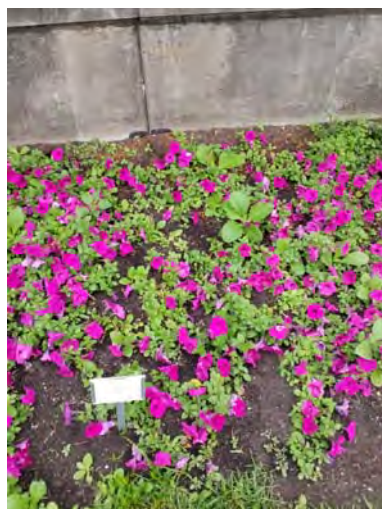
Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 3.5 3.0 3.0 4.0 3.4 Sparse



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 4.7 5.0 4.3 5.0 4.8 Vigorous but not much flower power; Swallowing up neighboring trials



-CONTINUED-

Genus Series Cultivar: Petunia Wave Purple Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

LATE 4.5 4.5 3.0 4.0 4.0



Time of Season Vigor Uniform WOW Stress OVERALL

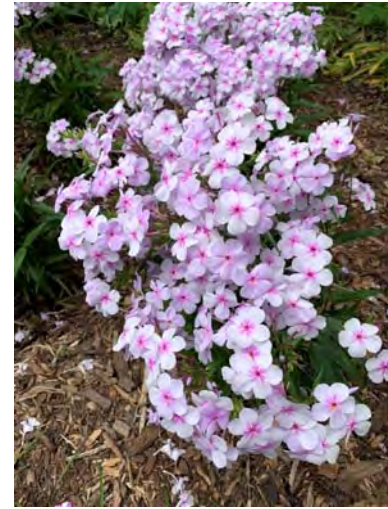
ENTIRE SEASON AVERAGE 4.3 4.3 3.6 4.4 4.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Phlox Opening Act Pink-a-Dot Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	5.0	5.0	4.9	Full bloom! Amazing!; Almost done flowering but they were spectacular



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.7	3.7	5.0	4.4	Bloom mostly over; No powdery mildew, second flush of flowers; Out of flower, foliage still mildew free



-CONTINUED-

Genus Series Cultivar: Phlox Opening Act Pink-a-Dot Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	2.0	5.0	4.1	Out of flower, no powdery mildew though!; Right next to powdery mildew-infested plant, but phlox is fine!



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.4	4.9	3.6	5.0	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 'WOW' factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Michigan State University Annual Trial Gardens
2019 Trial Report

Genus Series Cultivar: Phlox Opening Act Ultrpink

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	5.0	5.0	5.0	4.9	Full bloom! Amazing!; Almost done flowering but they were spectacular



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.7	3.7	5.0	4.4	Bloom mostly over; No powdery mildew, second flush of flowers; Out of flower, foliage still mildew free



-CONTINUED-

Genus Series Cultivar: Phlox Opening Act Ultrapink Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	2.0	5.0	4.1	Out of flower, no powdery mildew though!; Right next to powdery mildew-infested plant, but phlox is fine!



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.4	4.9	3.6	5.0	4.5

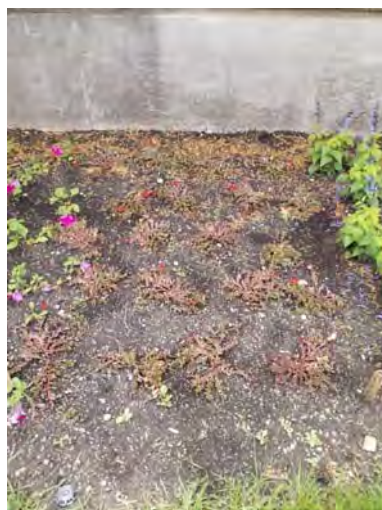
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Portulaca Mojave® Red Imp

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0	2.0	2.5	2.9	Very sad looking, purplish tinge to foliage. A lot of rain damage.; New green growth in centers. Too much water



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	3.3	2.3	4.0	3.3	No color (dont even see many buds) still recovering from excessive rain; Finally looks fully recovered



-CONTINUED-

Genus Series Cultivar: **Portulaca Mojave® Red Imp** Program: **Proven Winners**

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	3.5	2.5	4.5	3.8	Finally filling out



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	3.6	2.3	3.7	3.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Salvia Purple & Bloom

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	4.0	4.5	4.1	Color does not pop



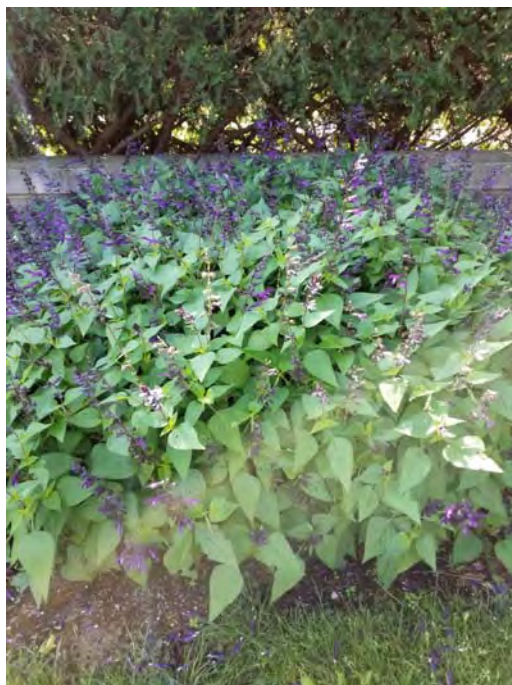
Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.7	4.0	5.0	4.7	Little color but very full



-CONTINUED-

Genus Series Cultivar: Salvia Purple & Bloom Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Lots of pollinator activity



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.6	4.3	4.9	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Salvia Rockin'[®] Blue Suede Shoes[™] Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.0	4.0	5.0	4.4	Looking forward to seeing them develop ; Little color so far



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	3.3	5.0	4.6	Little color but very full; Some flowers finally starting



-CONTINUED-

Genus Series Cultivar: Salvia Rockin![®] Blue Suede Shoes[™] Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	3.0	5.0	4.5	Not as many pollinators on this variety as other salvias; Foliage color not uniform (some lime green, some dark green)



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.9	4.7	3.4	5.0	4.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Genus Series Cultivar: Salvia Skyscraper Orange

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.0	4.5	4.5	4.1	Unique color ; Unique



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Unique color for salvia; Hummingbirds love it!; I love this one - such a unique color



-CONTINUED-

Genus Series Cultivar: Salvia Skyscraper Orange Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.5	5.0	4.9	Hummingbird sighting, lots of pollinator activity; Lots of color all summer long



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.6	4.7	4.7	4.9	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Salvia Skyscraper Pink

Program: Ball Horticulture

Time of Season Vigor Uniform WOW Stress OVERALL Comments

EARLY 4.0 4.5 4.0 5.0 4.4



Time of Season Vigor Uniform WOW Stress OVERALL Comments

MID 5.0 5.0 4.7 5.0 4.9 Color does not pop as much as orange; Hummingbirds love it!





Michigan State University Annual Trial Gardens
2019 Trial Report

-CONTINUED-

Genus Series Cultivar: Salvia Skyscraper Pink Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.5	5.0	4.9	Hummingbird sighting, lots of pollinator activity; Lots of color all summer long



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.9	4.4	5.0	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Salvia Unplugged™ So Blue™

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	4.0	2.5	4.5	3.4	Have not filled out much; Plants not full, but blooming



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.0	3.7	5.0	4.1	Kind of small and not uniform



-CONTINUED-

Genus Series Cultivar: **Salvia Unplugged™ So Blue™** Program: **Proven Winners**

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	3.5	4.0	5.0	4.1	Getting swallowed up by neighbors



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.4	3.9	3.4	4.9	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Scaevola Surdiva® Blue Violet Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.5	4.5	5.0	4.5	Tons of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	4.3	2.7	5.0	3.8	Not filled in yet; Dark color does not pop; Almost too dark to show up against soil

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Genus Series Cultivar: Scaevola Surdiva® Blue Violet Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	3.0	4.5	3.0	5.0	3.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.3	4.4	3.3	5.0	4.0
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Scaevola Surdiva® Fashion Pink Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	4.0	3.5	5.0	4.0	Lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	2.3	3.0	2.0	5.0	3.1	Not filled in yet; Not doing nearly as well as others

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Genus Series Cultivar: Scaevola Surdiva® Fashion Pink Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	2.0	3.0	2.0	5.0	3.0	Odd tight growth pattern on ends of branches



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	2.6	3.3	2.4	5.0	3.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Scaevola Surdiva ® Sky Blue

Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.5	4.0	5.0	4.4	Lots of color



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.7	4.0	5.0	4.3	

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Genus Series Cultivar: Scaevola Surdiva® Sky Blue Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	4.5	4.0	5.0	4.4	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.9	4.6	4.0	5.0	4.4
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Scaevola Surdiva® White improved Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	4.5	5.0	5.0	4.8	Large flower size. A little chlorosis.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	4.7	5.0	4.9	Most vigorous of the Surdivas

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Genus Series Cultivar: Scaevola Surdiva® White improved Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	5.0	5.0	5.0	5.0	5.0	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	5.0	4.9	4.8	5.0	4.9
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All indices scored on a scale of 1 (poor) to 5 (excellent):

Plant vigor – does it fill in its space and establish quickly

Plant Uniformity – do all plants in the cultivar entry look similar

‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.

Pest and Environmental Strss Resistance [scored as needed] – resistance to problems

Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19

'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19

'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Scaevola Whirlwind® Blue IMP

Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	3.5	4.0	5.0	4.3	Pretty color. Some insect/mite damage, likely from greenhouse.; Large flower size



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.3	4.0	5.0	4.3	

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Genus Series Cultivar: Scaevola Whirlwind® Blue IMP Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	5.0	4.0	5.0	4.5	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.1	4.3	4.0	5.0	4.4
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Sedum Boogie Woogie

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	4.0	2.0	5.0	3.4	Not blooming



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	2.0	2.7	2.0	4.3	2.8	



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Genus Series Cultivar: Sedum Boogie Woogie

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	2.0	3.0	2.0	4.5	2.9	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	2.1	3.1	2.0	4.6	3.0
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Sedum Double Martini

Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	1.5	3.5	1.5	2.0	2.1	Powdery mildew bad!; Terrible powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	1.3	3.3	1.0	1.0	1.7	Very bad powdery mildew; New growth still has scars from powdery mildew



-CONTINUED-

Genus Series Cultivar: Sedum Double Martini Program: Terra Nova

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	1.0	3.0	1.0	1.0	1.5	New growth is re-infected with powdery mildew; Have never really recovered



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	1.3	3.3	1.1	1.3	1.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Sedum Yellow Brick Road

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0	2.5	5.0	3.6	Blooming; Flowering



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.0	4.3	2.7	4.3	3.6	



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Genus Series Cultivar: Sedum Yellow Brick Road Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	3.0	4.5	3.0	4.5	3.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	3.0	4.3	2.7	4.6	3.6
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ENTIRE SEASON AVERAGE

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Tomato andine cornue hybrid type Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	3.0		5.0	4.0	Not much to say yet; Edema or other corky growth on lower stems



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	3.7		4.7	4.0	Fruit forming; Plants not lush and full. Fruit have blossom-end rot pretty bad



-CONTINUED-

Genus Series Cultivar: Tomato andine cornue hybrid type Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.0		4.0	3.5	Chlorosis present. Plants look sickly. Looking tired, but fruit finally ripening.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	3.3		4.5	3.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Tomato beef yellow type

Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	3.0		5.0	4.0	Not much to say yet; Edema or other corky growth on lower stems



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.0		4.7	4.1	No fruit yet; Plants small for a beefsteak. No ripe fruit yet



-CONTINUED-

Genus Series Cultivar: Tomato beef yellow type Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.5		4.0	3.7	Looking tired, but fruit finally ripening



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	3.7		4.5	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Tomato honey moon

Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0		5.0	4.0	Not much to say yet; Edema or other corky growth on lower stems



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	4.7		4.7	4.3	A few small fruits forming; No ripe fruit yet



-CONTINUED-

Genus Series Cultivar: Tomato honey moon Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.0		5.0	4.3	Looking tired, but fruit finally ripening



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	4.3		4.8	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Tomato round cherry tomato type Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0		5.0	4.3	Not much to say yet. Has flowers.; Edema or other corky growth on lower stems

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.7	4.7		4.7	4.7	Some ripe fruit; Lots of fruit, some ripe



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Genus Series Cultivar: Tomato round cherry tomato type Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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LATE	4.0	4.0		5.0	4.3	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
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ENTIRE SEASON AVERAGE	4.3	4.3		4.8	4.5
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All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Michigan State University Annual Trial Gardens
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Genus Series Cultivar: Tomato Rootstock Defensor Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0		5.0	4.0	Not much to say yet; Edema or other corky growth on lower stems



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0		4.7	4.9	



-CONTINUED-

Genus Series Cultivar: Tomato Rootstock Defensor Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.0		5.0	4.7	Least vigorous, getting swallowed up by neighbors; Less upright, more floppy. Lots of large fruit but ripening later



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.5		4.8	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



Michigan State University Annual Trial Gardens
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Genus Series Cultivar: Tomato Rootstock Maxifort

Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0		5.0	4.3	Not much to say yet; Edema or other corky growth on lower stems



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0		4.7	4.9	



-CONTINUED-

Genus Series Cultivar: Tomato Rootstock Maxifort Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.0		5.0	4.7	More compact than protector; Less upright, more floppy. Lots of large fruit but ripening later



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.8	4.5		4.8	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Tomato Rootstock Protector

Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0		5.0	4.3	Not much to say yet; Edema or other corky growth on lower stems



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0		4.7	4.9	Most vigorous; Most vigorous, similar to ungrafted buffalosteak



-CONTINUED-

Genus Series Cultivar: Tomato Rootstock Protector Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.5		5.0	4.8	Most vigorous; Most vigorous. Similar fruit yield and ripening window to buffalosteak



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.8	4.7		4.8	4.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Tomato Tempting Tomatoes™ Goodhe Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	4.0		3.0	3.0	Some ripe fruit already, but fruiting in greenhouse; Edema or other corky growth on lower stems. Chlorosis present, sunburn present



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	1.3	2.7		3.3	2.4	Less chlorotic but foliage still looks rough; Somehow these plants are getting smaller each week



-CONTINUED-

Genus Series Cultivar: Tomato Tempting Tomatoes™ Goodhe Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	1.0	2.5		3.5	2.3	Looking tired, but fruit finally ripening



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	1.3	2.8		3.3	2.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: *Verbena Superbena Sparkling*[®] Ameth Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	3.0	4.0	3.0	5.0	3.8	
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	4.7	5.0	4.7	5.0	4.8	
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-CONTINUED-

Genus Series Cultivar: Verbena Superbena Sparkling® Ameth Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	4.0	5.0	4.6	Lots of color right now



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.3	4.8	4.2	5.0	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Verbena Superbena Sparkling® Rosé Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	3.0	3.0	4.5	3.4	Pretty color. Some insect/mite damage, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	3.3	2.3	5.0	3.5	No color, still not filled in



-CONTINUED-

Genus Series Cultivar: Verbena Superbena Sparkling® Rosé Program: Proven Winners

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	4.0	2.0	5.0	3.5	No color at all; Still not full



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.1	3.4	2.4	4.9	3.5

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Veronica Purple Illusion

Program: Walter's Gardens

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	5.0	5.0	4.5	3.5	4.5	Almost in full bloom; Powdery mildew, mostly done flowering



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.3	4.0	1.7	1.0	2.5	Very bad powdery mildew; Very bad powdery mildew



-CONTINUED-

Genus Series Cultivar: **Vernonica Purple Illusion** Program: **Walter's Gardens**

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.0	4.0	1.5	2.5	2.8	Re-growing from base; New foliage looks good and healthy



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	4.3	2.4	2.1	3.1

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Vinca Soiree® Kawaii Coral

Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.5	3.5	4.5	3.9	Still small, PGR carryover?



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	5.0	5.0	5.0	5.0	Finally filled in with tons of flowers, a huge transformation from two weeks ago; Love these, just wish they didnt take so long to look this good; Most vigorous

-CONTINUED-

Genus Series Cultivar: Vinca Soiree® Kawaii Coral Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	5.0	5.0	5.0	Most vigorous



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.4	4.9	4.6	4.9	4.7

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19



2019 Trial Report

Genus Series Cultivar: Vinca Soiree® Kawaii Light Purple Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.5	4.0	5.0	4.4	Same as previous, most vigorous of the three



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	5.0	4.3	5.0	4.7	Finally filled in with tons of flowers, a huge transformation from two weeks ago; Love these, just wish they didnt take so long to look this good



-CONTINUED-

Genus Series Cultivar: Vinca Soiree® Kawaii Light Purple Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	5.0	4.0	5.0	4.8	Least color of the 3 right now



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.4	4.9	4.1	5.0	4.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

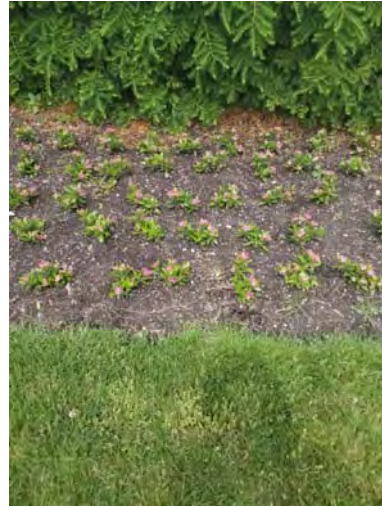
'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

2019 Trial Report

Genus Series Cultivar: Vinca Soiree® Kawaii Pink

Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0	3.0	4.5	3.6	Same as previous



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	5.0	4.0	5.0	4.5	Finally filled in with tons of flowers, a huge transformation from two weeks ago; Love these, just wish they didnt take so long to look this good; Least vigorous

-CONTINUED-

Genus Series Cultivar: Vinca Soiree® Kawaii Pink Program: Suntory

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	5.0	4.0	5.0	4.6	Least vigorous



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.9	4.7	3.7	4.9	4.3

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Watermelon Mini love

Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.0	2.0	2.0	3.0	2.3	Not much to say yet. Still very small.; Finally starting to vine



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	5.0		4.7	4.5	Flowering; A couple fruit forming; Interveinal chlorosis but otherwise going strong. 5 decent sized fruit have formed.



-CONTINUED-

Genus Series Cultivar: Watermelon Mini love Program: HM Clause

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.0		4.0	4.0	Powdery mildew. Did harvest a ripe melon recently



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	4.0	2.0	4.2	4.0

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Zinnia Aztec Sunset Improved

Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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EARLY	2.5	3.0	3.0	4.0	3.1	Very spindly
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Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
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MID	4.7	3.3	4.7	5.0	4.4	Beautiful mix of colors and patterns; Beautiful colors and patterns, old-fashioned looking
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Genus Series Cultivar: Zinnia Aztec Sunset Improved Program: Thompson & Morgan

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	3.0	4.0	3.0	3.8	Powdery mildew, Holes in block of plants; Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.1	3.1	4.0	4.1	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Zinnia Zesty Fuchsia

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.0	4.0	4.0	5.0	4.3	Some thrips damage on older petals, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	4.3	4.7	5.0	4.8	Not uniform height or branching. Lots of buds on plants but not particularly many flowers.; Most vigorous of series, variable between colors and within colors; Whole series is somewhat not uniform in height



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-CONTINUED-

Genus Series Cultivar: Zinnia Zesty Fuchsia Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	4.0	4.5	3.5	4.3	Most vigorous, powdery mildew starting; Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.7	4.1	4.4	4.6	4.5

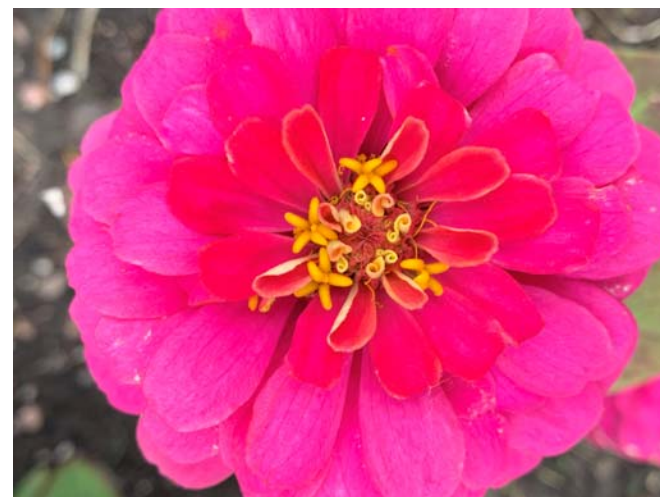
All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Zinnia Zesty Pink

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	3.5	2.5	4.5	3.3	Some thrips damage on petals, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	3.7	4.7	5.0	4.3	Not uniform height or branching. Lots of buds on plants but not particularly many flowers.; Variable between colors and within colors; Whole series is somewhat not uniform in height

-CONTINUED-

Genus Series Cultivar: Zinnia Zesty Pink

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.5	4.0	4.0	3.0	3.9	Powdery mildew starting; Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.7	3.7	3.9	4.3	3.9

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Zinnia Zesty Purple

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	4.5	4.5	4.5	4.5	4.5	A little insect/mite damage, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	5.0	3.7	4.3	5.0	4.5	Not uniform height or branching. Lots of buds on plants but not particularly many flowers.; Variable between colors and within colors; Whole series is somewhat not uniform in height



-CONTINUED-

Genus Series Cultivar: Zinnia Zesty Purple

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	5.0	3.0	4.0	4.0	4.0	Powdery mildew starting; Removed from trial. Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.8	3.8	4.3	4.7	4.4

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Zinnia Zesty Scarlet

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	2.5	3.0	2.0	4.0	2.9	Some flower full of dirt. Some rain damage. A little insect/mite damage, likely from greenhouse.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	3.7	3.7	4.3	5.0	4.2	Not uniform height or branching. Lots of buds on plants but not particularly many flowers.; Variable between colors and within colors; Whole series is somewhat not uniform in height



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-CONTINUED-

Genus Series Cultivar: Zinnia Zesty Scarlet Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.0	4.0	3.5	3.5	Powdery mildew starting; Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.3	3.3	3.6	4.3	3.6

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Zinnia Zesty White

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.0	4.0	2.0	4.0	3.3	Flowers full of dirt from rain spatter. Moderate rain damage.; Possible chlorosis, possible sunburn



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.0	4.0	4.3	5.0	4.3	Not uniform height or branching. Lots of buds on plants but not particularly many flowers.; Variable between colors and within colors; Spent flowers look messy, whole series is somewhat not uniform in height



Michigan State University Annual Trial Gardens

2019 Trial Report



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Genus Series Cultivar: Zinnia Zesty White

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	3.5	3.5	3.5	3.5	3.5	Powdery mildew starting; Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	3.6	3.9	3.4	4.3	3.8

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19

Genus Series Cultivar: Zinnia Zesty Yellow

Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
EARLY	3.5	3.5	3.5	4.5	3.8	Some not fully double flowers, some dirty flowers from rain spatter. A little animal damage. Some rain damage.



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
MID	4.3	4.3	4.7	5.0	4.6	Variable between colors and within colors; Whole series is somewhat not uniform in height

-CONTINUED-

Genus Series Cultivar: Zinnia Zesty Yellow Program: Ball Horticulture

Time of Season	Vigor	Uniform	WOW	Stress	OVERALL	Comments
LATE	4.0	4.0	4.5	3.5	4.0	Powdery mildew starting; Powdery mildew



Time of Season	Vigor	Uniform	WOW	Stress	OVERALL
ENTIRE SEASON AVERAGE	4.0	4.0	4.3	4.4	4.2

All indices scored on a scale of 1 (poor) to 5 (excellent):
 Plant vigor – does it fill in its space and establish quickly
 Plant Uniformity – do all plants in the cultivar entry look similar
 ‘WOW’ factor- flower power for flowering plants and/or the color, uniqueness, etc.
 Pest and Environmental Strss Resistance [scored as needed] – resistance to problems
 Overall Score - Average of all the above

'Early-season' evaluation dates= 6/14/19 and 7/1/19
 'Mid-season' evaluation dates= 7/17/19, 8/1/19, and 8/15/19
 'Late-season' evaluation dates=8/28/19 and 9/12/19