

Evaluation of Impact CORE and Sinate programs for weed control in corn

Trial ID: C06-21 Study Dir.: Burns
 Conducted: Campus C-27 Investigator: Burns

Planting Date: May-11-2021 **Row Spacing:** 30 IN
Variety: DKC 49-44 **No. of Reps:** 4
Population: 31500 S/A **% OM:** 2.5
Soil Type: SL sandy loam **pH:** 6.1
Plot Size: 10 X 35 FT **Study Design:** Randomized Complete Block (RCB)

Tillage/Previous Crops: Fall chisel plowed: spring soil finished twice

Fertilizer: 300 lbs/A urea incorporated
 12 G/A 19-19-19 starter

Crop and Weed Description

Weed	Code	Common Name	Scientific Name
1	ANGR	mainly foxtail species	Annual grasses
2	CHEAL	Common lambsquarters	Chenopodium album
3	AMAPO	Powell amaranth	Amaranthus powellii
4	AMBEL	Common ragweed	Ambrosia artemisiifolia
5	ABUTH	velvetleaf	Abutilon theophrasti
Crop	Code	Common Name	
1	ZEAMX	Corn	

Application Description

	A	B	C	D	E
Application Timing:	PRE	EPOS	MIPOST	POST	LPOST
Date Treated:	May-12-2021	Jun-2-2021	Jun-15-2021	Jun-19-2021	Jun-22-2021
Time Treated:	4:25 PM	2:20 PM	10:00 AM	9:00 AM	9:00 AM
% Cloud Cover:	35	90	10	50	30
Air Temp., Unit:	70.2 F	72.9 F	65.9 F	69.8 F	53.6 F
% Relative Humidity:	21.2	50.7	70.5	80.8	62.8
Wind Speed/Unit/Dir:	3.5 MPH NW	5.2 MPH SE	5.6 MPH N	2 MPH NW	3.1 MPH NW
Soil Temp, Unit:	65 F	80 F	74 F	73 F	73 F
Leaf Moist/Dew Presence (Y/N):					
Soil Moist:	4	5	4	2	2

Crop Stage at Each Application

	A	B	C	D	E
Crop 1 Name:	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX
Height:		5 IN	7.5 IN	9 IN	10.5 IN
Stage:		V1-2	V4-5	V5-6	V6-7

Weed Stage at Each Application

	A	B	C	D	E
Weed 1 Name:	ANGR	ANGR	ANGR	ANGR	ANGR
Height:		1 IN	4 IN	5 IN	6 IN
Stage:		3 L	8 L	10 L	14 L
Weed 2 Name:	CHEAL	CHEAL	CHEAL	CHEAL	CHEAL
Height:		1 IN	3.5 IN	5 IN	5 IN
Stage:		6 L	12 L	14 L	16 L
Weed 3 Name:	AMAPO	AMAPO	AMAPO	AMAPO	AMAPO
Height:		2 IN	3 IN	4 IN	5 IN
Stage:		8 L	12 L	14 L	16 L
Weed 4 Name:	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL
Height:		1 IN	4 IN	5 IN	6 IN
Stage:		4 L	18 L	20 L	24 L
Weed 5 Name:	ABUTH	ABUTH	ABUTH	ABUTH	ABUTH
Height:		1 IN	3 IN	4.5 IN	5 IN
Stage:		6 L	8 L	12 L	14 L

Application Equipment

Appl	Sprayer Type	Ground Speed	Nozzle Type	Nozzle Size	Nozzle Height	Nozzle Spacing	Boom Width	Spray Volume	Carrier	Operation Pressure
A	BKPK	3 MPH	AIXR	11003	22.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	32 PSI
B	BKPK	3 MPH	AIXR	11003	24.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	32 PSI
C	BKPK	3 MPH	AIXR	11003	24.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	32 PSI
D	BKPK	3 MPH	AIXR	11003	26.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	32 PSI
E	BKPK	3 MPH	AIXR	11003	26.0 "	20.0 "	100.0 "	19 GAL/AC	WATER	32 PSI

Comments:

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Pest Type	ZEAMX		ANGR	CHEAL	AMAPO	AMBEL
Pest Code	ZEAMX		annual grasses	common lambsquarters	Powell amaranth	Common ragweed
Pest Name	ZEAMX					
Crop Type, Code	Corn	Corn				
Crop Name	Corn	Corn				
Rating Date	Jun-9-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021
Rating Type	Injury	Injury	Control	Control	Control	Control
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval	7 DA-B	12 DA-B	12 DA-B	12 DA-B	12 DA-B	12 DA-B

Trt No.	Treatment Name	Rate	Unit	Appl Code						
1	Impact Core	30 fl oz/a		B	0.0	0.0	99.0	99.5	99.5	99.5
1	Atrazine	1.1 lb/a		B						
1	MSO	0.5 % v/v		B						
1	AMS	8.5 lb/100 gal		B						
2	Liberty	32 fl oz/a		C						
2	AMS	8.5 lb/100 gal		C						
3	Sinate	24 fl oz/a		C						
3	MSO	1 % v/v		C						
3	AMS	8.5 lb/100 gal		C						
4	Sinate	24 fl oz/a		C						
4	Atrazine	0.55 lb/a		C						
4	MSO	1 % v/v		C						
4	AMS	8.5 lb/100 gal		C						
5	Sinate	24 fl oz/a		C						
5	Dual II Magnum	1.5 pt/a		C						
5	MSO	1 % v/v		C						
5	AMS	8.5 lb/100 gal		C						
6	Sinate	24 fl oz/a		C						
6	Dual II Magnum	1.5 pt/a		C						
6	Atrazine	0.55 lb/a		C						
6	MSO	1 % v/v		C						
6	AMS	8.5 lb/100 gal		C						
7	Untreated				0.0	0.0	0.0	0.0	0.0	0.0
8	Bicep II Magnum	1.6 qt/a		A		0.0	91.3	91.3	96.3	93.8
8	Sinate	24 fl oz/a		D						
8	MSO	1 % v/v		D						
8	AMS	8.5 lb/100 gal		D						
9	Bicep II Magnum	1.6 qt/a		A		0.0	91.3	90.0	96.3	93.8
9	Sinate	24 fl oz/a		D						
9	Atrazine	1.1 lb/a		D						
9	MSO	1 % v/v		D						
9	AMS	8.5 lb/100 gal		D						
10	Bicep II Magnum	1.6 qt/a		A		0.0	93.8	91.3	98.8	91.3
10	Sinate	28 fl oz/a		D						
10	MSO	1 % v/v		D						
10	AMS	8.5 lb/100 gal		D						
11	Bicep II Magnum	1.6 qt/a		A		0.0	90.0	91.3	95.0	95.0
11	Sinate	28 fl oz/a		D						
11	Atrazine	1.1 lb/a		D						
11	MSO	1 % v/v		D						
11	AMS	8.5 lb/100 gal		D						

Could not calculate LSD (% mean diff) for columns 1,2,8,9,10,16 because error mean square = 0.
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Pest Type				ANGR	CHEAL	AMAPO	AMBEL	
Pest Code				annual grasses	common lambsquarters	Powell amaranth	Common ragweed	
Pest Name								
Crop Type, Code		ZEAMX	ZEAMX					
Crop Name		Corn	Corn					
Rating Date		Jun-9-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021	Jun-14-2021	
Rating Type		Injury	Injury	Control	Control	Control	Control	
Rating Unit/Min/Max		%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	
Trt-Eval Interval		7 DA-B	12 DA-B	12 DA-B	12 DA-B	12 DA-B	12 DA-B	
Trt No.	Treatment Name	Rate	Appl Code					
12	Bicep II Magnum	1.6 qt/a	A	0.0	91.3	91.3	96.3	93.8
12	Impact Core	24 fl oz/a	D					
12	Roundup PowerMax	32 fl oz/a	D					
12	Atrazine	1.1 lb/a	D					
12	Surfactant	0.25 % v/v	D					
12	AMS	8.5 lb/100 gal	D					
13	Bicep II Magnum	1.6 qt/a	A	0.0	90.0	91.3	95.0	95.0
13	Impact	1 fl oz/a	D					
13	Atrazine	0.55 lb/a	D					
13	MSO	1 % v/v	D					
13	AMS	8.5 lb/100 gal	D					
14	Bicep II Magnum	1.6 qt/a	A	0.0	91.3	91.3	96.3	93.8
14	Halex GT	3.6 pt/a	D					
14	Atrazine	0.55 lb/a	D					
14	Surfactant	0.25 % v/v	D					
14	AMS	8.5 lb/100 gal	D					
15	Bicep II Magnum	1.6 qt/a	A	0.0	92.5	91.3	97.5	92.5
15	Impact	2.01 fl oz/a	E					
15	MSO	1 % v/v	E					
15	AMS	8.5 lb/100 gal	E					
	LSD P=.05	.	.	2.93	2.31	2.90	2.83	
	Standard Deviation	0.00	0.00	2.02	1.59	2.00	1.95	
	CV	0.0	0.0	2.44	1.92	2.3	2.3	

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Pest Type	ABUTH				ANGR	CHEAL
Pest Code	velvetleaf				annual grasses	common lambsquarters
Pest Name						
Crop Type, Code		ZEAMX	ZEMAX	ZEAMX		
Crop Name		Corn	Corn	Corn		
Rating Date		Jun-14-2021	Jun-22-2021	Jun-25-2021	Jul-2-2021	Jul-2-2021
Rating Type		Control	Injury	Injury	Control	Control
Rating Unit/Min/Max		%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval		12 DA-B	7 DA-C	6 DA-D	17 DA-C	17 DA-C

Trt No.	Treatment Name	Rate	Unit	Appl Code						
1	Impact Core	30 fl oz/a		B	99.5	0.0	0.0	0.0	99.5	100.0
1	Atrazine	1.1 lb/a		B						
1	MSO	0.5 % v/v		B						
1	AMS	8.5 lb/100 gal		B						
2	Liberty	32 fl oz/a		C		0.0	0.0	0.0	86.3	100.0
2	AMS	8.5 lb/100 gal		C						
3	Sinate	24 fl oz/a		C		0.0	0.0	0.0	86.3	95.0
3	MSO	1 % v/v		C						
3	AMS	8.5 lb/100 gal		C						
4	Sinate	24 fl oz/a		C		0.0	0.0	0.0	95.8	100.0
4	Atrazine	0.55 lb/a		C						
4	MSO	1 % v/v		C						
4	AMS	8.5 lb/100 gal		C						
5	Sinate	24 fl oz/a		C		0.0	0.0	0.0	95.0	95.0
5	Dual II Magnum	1.5 pt/a		C						
5	MSO	1 % v/v		C						
5	AMS	8.5 lb/100 gal		C						
6	Sinate	24 fl oz/a		C		0.0	0.0	0.0	98.5	100.0
6	Dual II Magnum	1.5 pt/a		C						
6	Atrazine	0.55 lb/a		C						
6	MSO	1 % v/v		C						
6	AMS	8.5 lb/100 gal		C						
7	Untreated				0.0	0.0	0.0	0.0	0.0	0.0
8	Bicep II Magnum	1.6 qt/a		A	91.3		0.0	0.0	99.0	100.0
8	Sinate	24 fl oz/a		D						
8	MSO	1 % v/v		D						
8	AMS	8.5 lb/100 gal		D						
9	Bicep II Magnum	1.6 qt/a		A	92.5		0.0	0.0	99.5	100.0
9	Sinate	24 fl oz/a		D						
9	Atrazine	1.1 lb/a		D						
9	MSO	1 % v/v		D						
9	AMS	8.5 lb/100 gal		D						
10	Bicep II Magnum	1.6 qt/a		A	90.0		0.0	0.0	100.0	100.0
10	Sinate	28 fl oz/a		D						
10	MSO	1 % v/v		D						
10	AMS	8.5 lb/100 gal		D						
11	Bicep II Magnum	1.6 qt/a		A	92.5		0.0	0.0	99.0	100.0
11	Sinate	28 fl oz/a		D						
11	Atrazine	1.1 lb/a		D						
11	MSO	1 % v/v		D						
11	AMS	8.5 lb/100 gal		D						

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Pest Type								
Pest Code		ABUTH				ANGR	CHEAL	
Pest Name		velvetleaf				annual grasses common lambsquarters		
Crop Type, Code			ZEAMX	ZEMAX	ZEAMX			
Crop Name			Corn	Corn	Corn			
Rating Date		Jun-14-2021	Jun-22-2021	Jun-25-2021	Jul-2-2021	Jul-2-2021	Jul-2-2021	
Rating Type		Control	Injury	Injury	Injury	Control	Control	
Rating Unit/Min/Max		% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	% , 0, 100	
Trt-Eval Interval		12 DA-B	7 DA-C	6 DA-D	17 DA-C	17 DA-C	17 DA-C	
Trt No.	Treatment Name	Rate	Appl Code					
		Rate Unit						
12	Bicep II Magnum	1.6 qt/a	A	91.3	0.0	0.0	100.0	100.0
12	Impact Core	24 fl oz/a	D					
12	Roundup PowerMax	32 fl oz/a	D					
12	Atrazine	1.1 lb/a	D					
12	Surfactant	0.25 % v/v	D					
12	AMS	8.5 lb/100 gal	D					
13	Bicep II Magnum	1.6 qt/a	A	92.5	0.0	0.0	95.8	100.0
13	Impact	1 fl oz/a	D					
13	Atrazine	0.55 lb/a	D					
13	MSO	1 % v/v	D					
13	AMS	8.5 lb/100 gal	D					
14	Bicep II Magnum	1.6 qt/a	A	91.3	0.0	0.0	95.8	98.5
14	Halex GT	3.6 pt/a	D					
14	Atrazine	0.55 lb/a	D					
14	Surfactant	0.25 % v/v	D					
14	AMS	8.5 lb/100 gal	D					
15	Bicep II Magnum	1.6 qt/a	A	91.3		0.0	86.3	90.0
15	Impact	2.01 fl oz/a	E					
15	MSO	1 % v/v	E					
15	AMS	8.5 lb/100 gal	E					
	LSD P=.05			3.09	.	.	1.85	0.37
	Standard Deviation			2.13	0.00	0.00	1.30	0.26
	CV			2.56	0.0	0.0	1.46	0.28

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Pest Type	AMAPO	AMBEL	ABUTH		ANGR	CHEAL
Pest Code	Powell	Common	ragweed	velvetleaf	annual grasses	common lambsquarters
Pest Name	amaranth	Common	ragweed	velvetleaf	annual grasses	common lambsquarters
Crop Type, Code						
Crop Name				ZEAMX		
Rating Date	Jul-2-2021	Jul-2-2021	Jul-2-2021	Jul-30-2021	Jul-30-2021	Jul-30-2021
Rating Type	Control	Control	Control	Corn	Control	Control
Rating Unit/Min/Max	%, 0, 100	%, 0, 100	%, 0, 100	Injury	%, 0, 100	%, 0, 100
Trt-Eval Interval	17 DA-C	17 DA-C	17 DA-C	45 DA-C	45 DA-C	45 DA-C

Trt No.	Treatment Name	Rate	Unit	Appl Code						
1	Impact Core	30 fl oz/a		B	100.0	100.0	99.5	0.0	99.0	100.0
1	Atrazine	1.1 lb/a		B						
1	MSO	0.5 % v/v		B						
1	AMS	8.5 lb/100 gal		B						
2	Liberty	32 fl oz/a		C	100.0	100.0	100.0	0.0	50.0	52.5
2	AMS	8.5 lb/100 gal		C						
3	Sinate	24 fl oz/a		C	95.0	93.8	95.0	0.0	63.8	95.0
3	MSO	1 % v/v		C						
3	AMS	8.5 lb/100 gal		C						
4	Sinate	24 fl oz/a		C	100.0	99.5	100.0	0.0	83.8	93.8
4	Atrazine	0.55 lb/a		C						
4	MSO	1 % v/v		C						
4	AMS	8.5 lb/100 gal		C						
5	Sinate	24 fl oz/a		C	95.0	95.0	95.0	0.0	98.5	100.0
5	Dual II Magnum	1.5 pt/a		C						
5	MSO	1 % v/v		C						
5	AMS	8.5 lb/100 gal		C						
6	Sinate	24 fl oz/a		C	100.0	99.0	100.0	0.0	99.5	100.0
6	Dual II Magnum	1.5 pt/a		C						
6	Atrazine	0.55 lb/a		C						
6	MSO	1 % v/v		C						
6	AMS	8.5 lb/100 gal		C						
7	Untreated				0.0	0.0	0.0	0.0	0.0	0.0
8	Bicep II Magnum	1.6 qt/a		A	100.0	100.0	100.0	0.0	95.8	100.0
8	Sinate	24 fl oz/a		D						
8	MSO	1 % v/v		D						
8	AMS	8.5 lb/100 gal		D						
9	Bicep II Magnum	1.6 qt/a		A	100.0	100.0	100.0	0.0	99.0	99.0
9	Sinate	24 fl oz/a		D						
9	Atrazine	1.1 lb/a		D						
9	MSO	1 % v/v		D						
9	AMS	8.5 lb/100 gal		D						
10	Bicep II Magnum	1.6 qt/a		A	100.0	100.0	99.5	0.0	100.0	100.0
10	Sinate	28 fl oz/a		D						
10	MSO	1 % v/v		D						
10	AMS	8.5 lb/100 gal		D						
11	Bicep II Magnum	1.6 qt/a		A	100.0	100.0	100.0	0.0	100.0	100.0
11	Sinate	28 fl oz/a		D						
11	Atrazine	1.1 lb/a		D						
11	MSO	1 % v/v		D						
11	AMS	8.5 lb/100 gal		D						

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Pest Type									
Pest Code									
Pest Name			AMAPO	AMBEL	ABUTH		ANGR	CHEAL	
Crop Type, Code			Powell amaranth	Common ragweed	velvetleaf		annual grasses common	lambsquarters	
Crop Name						ZEAMX			
Rating Date			Jul-2-2021	Jul-2-2021	Jul-2-2021	Jul-30-2021	Jul-30-2021	Jul-30-2021	
Rating Type			Control	Control	Control	Injury	Control	Control	
Rating Unit/Min/Max			%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	%, 0, 100	
Trt-Eval Interval			17 DA-C	17 DA-C	17 DA-C	45 DA-C	45 DA-C	45 DA-C	
Trt No.	Treatment Name	Rate Unit	Appl Code						
12	Bicep II Magnum	1.6 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0
12	Impact Core	24 fl oz/a	D						
12	Roundup PowerMax	32 fl oz/a	D						
12	Atrazine	1.1 lb/a	D						
12	Surfactant	0.25 % v/v	D						
12	AMS	8.5 lb/100 gal	D						
13	Bicep II Magnum	1.6 qt/a	A	100.0	100.0	100.0	0.0	100.0	100.0
13	Impact	1 fl oz/a	D						
13	Atrazine	0.55 lb/a	D						
13	MSO	1 % v/v	D						
13	AMS	8.5 lb/100 gal	D						
14	Bicep II Magnum	1.6 qt/a	A	99.0	99.0	98.0	0.0	100.0	100.0
14	Halex GT	3.6 pt/a	D						
14	Atrazine	0.55 lb/a	D						
14	Surfactant	0.25 % v/v	D						
14	AMS	8.5 lb/100 gal	D						
15	Bicep II Magnum	1.6 qt/a	A	97.0	97.0	91.3	0.0	98.3	100.0
15	Impact	2.01 fl oz/a	E						
15	MSO	1 % v/v	E						
15	AMS	8.5 lb/100 gal	E						
	LSD P=.05			0.99	1.47	1.05	.	1.89	2.06
	Standard Deviation			0.69	1.03	0.73	0.00	1.33	1.44
	CV			0.75	1.11	0.8	0.0	1.55	1.62

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Pest Type		AMAPO	AMBEL	ABUTH
Pest Code				
Pest Name		Powell amaranth	Common ragweed	velvetleaf
Crop Type, Code				
Crop Name				
Rating Date		Jul-30-2021	Jul-30-2021	Jul-30-2021
Rating Type		Control	Control	Control
Rating Unit/Min/Max		%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval		45 DA-C	45 DA-C	45 DA-C

Trt No.	Treatment Name	Rate Unit	Appl Code	AMAPO	AMBEL	ABUTH
1	Impact Core	30 fl oz/a	B	100.0	100.0	100.0
1	Atrazine	1.1 lb/a	B			
1	MSO	0.5 % v/v	B			
1	AMS	8.5 lb/100 gal	B			
2	Liberty	32 fl oz/a	C	70.0	73.8	95.0
2	AMS	8.5 lb/100 gal	C			
3	Sinate	24 fl oz/a	C	81.3	73.8	99.5
3	MSO	1 % v/v	C			
3	AMS	8.5 lb/100 gal	C			
4	Sinate	24 fl oz/a	C	100.0	100.0	100.0
4	Atrazine	0.55 lb/a	C			
4	MSO	1 % v/v	C			
4	AMS	8.5 lb/100 gal	C			
5	Sinate	24 fl oz/a	C	99.0	99.0	99.0
5	Dual II Magnum	1.5 pt/a	C			
5	MSO	1 % v/v	C			
5	AMS	8.5 lb/100 gal	C			
6	Sinate	24 fl oz/a	C	98.0	93.8	100.0
6	Dual II Magnum	1.5 pt/a	C			
6	Atrazine	0.55 lb/a	C			
6	MSO	1 % v/v	C			
6	AMS	8.5 lb/100 gal	C			
7	Untreated			0.0	0.0	0.0
8	Bicep II Magnum	1.6 qt/a	A	100.0	100.0	100.0
8	Sinate	24 fl oz/a	D			
8	MSO	1 % v/v	D			
8	AMS	8.5 lb/100 gal	D			
9	Bicep II Magnum	1.6 qt/a	A	99.0	99.0	100.0
9	Sinate	24 fl oz/a	D			
9	Atrazine	1.1 lb/a	D			
9	MSO	1 % v/v	D			
9	AMS	8.5 lb/100 gal	D			
10	Bicep II Magnum	1.6 qt/a	A	100.0	100.0	100.0
10	Sinate	28 fl oz/a	D			
10	MSO	1 % v/v	D			
10	AMS	8.5 lb/100 gal	D			
11	Bicep II Magnum	1.6 qt/a	A	99.5	100.0	100.0
11	Sinate	28 fl oz/a	D			
11	Atrazine	1.1 lb/a	D			
11	MSO	1 % v/v	D			
11	AMS	8.5 lb/100 gal	D			

Could not calculate LSD (% mean diff) for columns 1,2,8,9,10,16 because error mean square = 0.
 ^Calculated from residual.

Michigan State University

Evaluation of Impact CORE and Sinate programs for weed control in corn

Trial ID: C06-21 Location: Campus C-27 Trial Year: 2021
 Protocol ID: C06-21 Investigator (Creator): Erin Burns
 Project ID: Study Director: Burns
 Sponsor Contact:

Pest Type		AMAPO	AMBEL	ABUTH
Pest Code				
Pest Name		Powell amaranth	Common ragweed	velvetleaf
Crop Type, Code				
Crop Name				
Rating Date		Jul-30-2021	Jul-30-2021	Jul-30-2021
Rating Type		Control	Control	Control
Rating Unit/Min/Max		%, 0, 100	%, 0, 100	%, 0, 100
Trt-Eval Interval		45 DA-C	45 DA-C	45 DA-C

Trt No.	Treatment Name	Rate	Unit	Appl Code			
12	Bicep II Magnum	1.6 qt/a		A	100.0	100.0	100.0
12	Impact Core	24 fl oz/a		D			
12	Roundup PowerMax	32 fl oz/a		D			
12	Atrazine	1.1 lb/a		D			
12	Surfactant	0.25 % v/v		D			
12	AMS	8.5 lb/100 gal		D			
13	Bicep II Magnum	1.6 qt/a		A	100.0	100.0	100.0
13	Impact	1 fl oz/a		D			
13	Atrazine	0.55 lb/a		D			
13	MSO	1 % v/v		D			
13	AMS	8.5 lb/100 gal		D			
14	Bicep II Magnum	1.6 qt/a		A	100.0	100.0	100.0
14	Halex GT	3.6 pt/a		D			
14	Atrazine	0.55 lb/a		D			
14	Surfactant	0.25 % v/v		D			
14	AMS	8.5 lb/100 gal		D			
15	Bicep II Magnum	1.6 qt/a		A	100.0	100.0	100.0
15	Impact	2.01 fl oz/a		E			
15	MSO	1 % v/v		E			
15	AMS	8.5 lb/100 gal		E			
LSD P=.05					1.11	1.72	0.57
Standard Deviation					0.78	1.21	0.40
CV					0.87	1.35	0.43

Could not calculate LSD (% mean diff) for columns 1,2,8,9,10,16 because error mean square = 0.
 ^Calculated from residual.