2018 GROWTH STAGES - NW Michigan Horticultural Research Center

Traverse City, MI

Date	Time	Growing Degree Days - Base 42	Bartlett Pear	Potomac Pear	Mac	Gala	Red Delicious	HoneyCrisp	Montmorency	Balaton	Hedelfingen	Gold	Napoleon	Riesling	58.900.12 Plum	Apricot
4/23/18	2:00 PM	40	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Bud Swell	Dormant	Dormant	--	--
4/26/18	4:30 PM	61	Dormant	Dormant	Ear. Silver Tip	Dormant	Ear. Silver Tip	Dormant	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Bud Swell	Dormant	Dormant	--	--
4/30/18	3:30 PM	75	Dormant	Dormant	Ear. Silver Tip	Dormant	Ear. Silver Tip	Ear. Silver Tip	Ear. Bud Swell	Bud Swell	Bud Swell	Bud Swell	Bud Swell	Dormant	--	--
5/2/18	9:00 AM	100	Bud Swell	Bud Swell	Silver Tip	Green Tip	Ear. Green Tip	Ear. Green Tip	Green Tip	Side Green	Side Green	Side Green	Side Green	Scale Crack	--	--
5/7/18	11:30 AM	166	Bud Burst	Bud Burst	1/4" Green	1/2" Green	Ear. Tight Cluster	1/2" Green	Side Green	Early Bud Burst	Early Bud Burst	Early Bud Burst	Early Bud Burst	Scale Crack	--	--
5/11/18	8:30 AM	225	Green Cluster	Green Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Tight Cluster	Ear. White Bud	Ear. White Bud	First Bloom	Early Bud Swell	--	--
5/14/18	8:30 AM	256	Early Wht. Bud	Green Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Tight Cluster	80% Bloom	1st Bloom	80% Bloom	Early Bud Swell	--	--
5/17/18	12:30 PM	320	First Bloom	First Bloom	Early Pink	Early Pink	Pink	Pink	50% Bloom	75% Bloom	Full Bloom	Full Bloom	Full Bloom	Early Bud Swell	--	--
5/18/18	4:00 PM	340	80% Bloom	90% Bloom	Pink	Pink	Open Cluster	Open Cluster	85% Bloom	90% Bloom	Early Petal Fall	Full Bloom	Early Petal Fall	Early Bud Burst	--	--
5/21/18	12:30 PM	365	Full Bloom	Full Bloom	Pink	Pink	1st Bloom	1st Bloom	95% Bloom	Full Bloom	Petal Fall	Early Petal Fall	Petal Fall	Bud Burst	--	--
5/30/18	1:00 PM	625	9 mm Fruit	9.5 mm Fruit	8 mm Fruit	8 mm Fruit	8 mm Fruit	8 mm Fruit	9 mm Fruit	9.5 mm Fruit	10.5 mm Fruit	9.5 mm Fruit	9.5 mm Fruit	4" - 8" Shoots	--	--
6/4/18	4:30 PM	723	11 mm Fruit	13 mm Fruit	12 mm Fruit	9 mm Fruit	10 mm Fruit	10 mm Fruit	10 mm Fruit	10.5 mm Fruit	10.5 mm Fruit	10 mm Fruit	10 mm Fruit	10" - 16" Shoots	--	--
6/11/18	11:00 AM	850	15 mm Fruit	18 mm Fruit	20 mm Fruit	13 mm Fruit	15 mm Fruit	15 mm Fruit	12 mm Fruit	12 mm Fruit	11 mm Fruit	11 mm Fruit	11 mm Fruit	10" - 16" Shoots	--	--
6/18/18	3:30 PM	1055	20 mm Fruit	23 mm Fruit	28 mm Fruit	23 mm Fruit	24 mm Fruit	24 mm Fruit	13 mm Fruit	13 mm Fruit	11 mm Fruit	12 mm Fruit	12 mm Fruit	First Bloom	--	--
6/25/18	3:00 PM	1220	24 mm Fruit	27 mm Fruit	32 mm Fruit	26 mm Fruit	27 mm Fruit	27 mm Fruit	14 mm Fruit	14 mm Fruit	17 mm Fruit	13 mm Fruit	14 mm Fruit	60% Bloom	--	--
7/9/18	3:15 PM	1680	27 mm Fruit	34 mm Fruit	42 mm Fruit	34 mm Fruit	37 mm Fruit	42 mm Fruit	21 mm Fruit	20 mm Fruit	19 mm Fruit	17 mm Fruit	16 mm Fruit	Buckshot Berries	--	--
7/23/18	10:30 AM	2095	40 mm Fruit	41 mm Fruit	56 mm Fruit	44 mm Fruit	54 mm Fruit	56 mm Fruit	Harvested	22 mm Fruit	Harvested	Harvested	Harvested	Berry Touch	--	--
8/13/18	10:00 AM	2710	49 mm Fruit	51 mm Fruit	63 mm Fruit	53 mm Fruit	62 mm Fruit	63 mm Fruit	--	--	--	--	--	Green Fruit	--	--