2020 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	Ulster	Gold	Emperor Francis	Riesling	58.900.12 Plum	Apricot
4/2/20	10:30 AM	30	Dormant	Dormant	--	Dormant	--	Dormant	Dormant	--	Bud Swell	Side Green	Bud Swell	Dormant	--	--
4/6/20	9:30 AM	40	Dormant	Dormant	--	Ear. Silver Tip	--	Dormant	Dormant	Ear. Bud Swell	Bud Swell	Side Green	Bud Swell	Dormant	--	--
4/13/20	10:30 AM	61	Bud Swell	Dormant	--	Ear. Silver Tip	--	Ear. Silver Tip	Bud Swell	Bud Swell	Bud Swell	Side Green	Bud Swell	Dormant	--	--
4/20/20	8:00 AM	66	Bud Swell	Bud Swell	--	Silver Tip	--	Ear. Silver Tip	Ear. Side Green	Side Green	Side Green	Green Tip	Side Green	Ear. Scale Crack	--	--
4/27/20	8:30 AM	85	Bud Swell	Bud Swell	--	Green Tip	--	Early Green Tip	Side Green	Green Tip	Early Green Tip	Late Green Tip	Green Tip	Ear. Scale Crack	--	--
5/4/20	8:30 AM	130	Bud Burst	Bud Burst	--	Ear. Tight Cluster	--	Ear. 1/2" Greem	Green Tip	Bud Burst	Ear. Bud Burst	Bud Burst	Bud Burst	Scale Crack	--	--
5/7/20	8:30 AM	140	Late Bud Burst	Late Bud Burst	--	Ear. Tight Cluster	--	Ear. Tight Cluster	Green Tip	Bud Burst	Late Bud Burst	Ear. Tight Cluster	Ear. Tight Cluster	Scale Crack	--	--
5/11/20	9:00 AM	144	Late Bud Burst	Late Bud Burst	--	Ear. Tight Cluster	--	Ear. Tight Cluster	Late Green Tip	Bud Burst	Ear. Tight Cluster	Ear. Tight Cluster	Ear. Tight Cluster	Scale Crack	--	--
5/18/20	8:30 AM	185	Green Cluster	Tight Cluster	--	Tight Cluster	--	Tight Cluster	Bud Burst	Tight Cluster	White Bud	Ear. White Bud	1st Bloom	Early Bud Swell	--	--
5/20/20	4:00 PM	227	Ear. White Bud	Ear. White Bud	--	Tight Cluster	--	Tight Cluster	Ear. Tight Cluster	White Tip	55% Bloom	65% Bloom	80% Bloom	Early Bud Swell	--	--
5/22/20	4:00 PM	269	Ear. White Bud	Ear. White Bud	--	Tight Cluster	--	Early Pink	25% Bloom	55% Bloom	80% Bloom	90% Bloom	Full Bloom	Early Bud Swell	--	--
5/26/20	9:00 AM	370	Full Bloom	Full Bloom	--	King Bloom	--	30% Bloom	Full Bloom	Full Bloom	Petal Fall	Petal Fall	Petal Fall	Late Bud Swell	--	--
6/1/20	Noon	495	Petal Fall	8 mm Fruit	--	Petal Fall	--	Petal Fall	In the Shuck	In the Shuck	9 mm Fruit	8 mm Fruit	9 mm Fruit	1" - 3" Shoots	--	--
6/8/20	1:45 PM	650	9 mm Fruit	11 mm Fruit	--	6 mm Fruit	--	6 mm Fruit	10 mm Fruit	10 mm Fruit	11 mm Fruit	10 mm Fruit	12 mm Fruit	4" - 6" Shoots	--	--
6/15/20	1:45 PM	790	13 mm Fruit	16 mm Fruit	--	11 mm Fruit	--	10 mm Fruit	11 mm Fruit	12 mm Fruit	13 mm Fruit	11 mm Fruit	12 mm Fruit	8" - 12" Shoots	--	--
6/22/20	12:30 PM	990	15 mm Fruit	21 mm Fruit	--	19 mm Fruit	--	20 mm Fruit	13 mm Fruit	13 mm Fruit	14 mm Fruit	12 mm Fruit	14 mm Fruit	10" - 16" Shoots	--	--
7/6/20	11:00 AM	1400	19 mm Fruit	31 mm Fruit	--	33 mm Fruit	--	32 mm Fruit	20 mm Fruit	16 mm Fruit	23 mm Fruit	17 mm Fruit	21 mm Fruit	Buckshot Berries	--	--
7/27/20	8:00 AM	2040	31 mm Fruit	52 mm Fruit	--	51 mm Fruit	--	54 mm Fruit	Harvested	21 mm Fruit	Harvested	Harvested	Harvested	Late Berry Touch	--	--
8/17/20	10:30 AM	2655	45 mm Fruit	64 mm Fruit	--	66 mm Fruit	--	66 mm Fruit	--	--	--	--	--	Green Fruit	--	--
8/31/20	9:30 AM	3040	47 mm Fruit	65 mm Fruit	--	72 mm Fruit	--	76 mm Fruit	--	--	--	--	--	Green Fruit	--	--
9/14/20	8:30 AM	3295	49 mm Fruit	66 mm Fruit	--	75 mm Fruit	--	79 mm Fruit	--	--	--	--	--	Veraison	--	--