2014 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	Golden Delicious	Montmorency	Balaton	Hedelfingen	Gold	Napoleon	Chardonay	58.900.12 Plum	Apricot
4/21/14	2:00 PM	65	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Late Bud Swell	Late Bud Swell	Ear. Side Green	Late Bud Swell	Ear. Scale Crack	--	Bud Swell
4/28/14	1:00 PM	87	Dormant	Dormant	Dormant	Dormant	Dormant	Silver Tip	Bud Swell	Side Green	Late Bud Swell	Side Green	Ear. Side Green	Ear. Scale Crack	--	Bud Swell
5/5/14	9:00 AM	114	Bud Swell	Dormant	Dormant	Silver Tip	Early Silver Tip	Silver Tip	Side Green	Green Tip	Side Green	Green Tip	Green Tip	Ear. Scale Crack	--	Bud Swell
5/9/14	3:30 PM	162	Ear. Bud Burst	Bud Swell	Green Tip	Green Tip	Green Tip	Late Green Tip	Green Tip	Late Green Tip	Green Tip	Ear. Bud Burst	Late Green Tip	Scale Crack	--	Red Bud
5/12/14	1:30 PM	210	Bud Burst	Bud Burst	1/4" Green	1/2" Green	1/2" Green	1/2" Green	Ear. Bud Burst	Bud Burst	Ear. Tight Cluster	Ear. Tight Cluster	Tight Cluster	Scale Crack	--	Ear. White Bud
5/14/14	4:30 PM	235	Green Cluster	Late Bud Burst	1/2" Green	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Tight Cluster	Ear. White Bud	Tight Cluster	Ear. White Bud	Scale Crack	--	White Bud
5/19/14	1:00 PM	270	Lt. Green Cluster	Lt. Green Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Lt. Bud Burst	Tight Cluster	50% Bloom	White Bud	60% Bloom	Ear. Bud Swell	--	Ear. Petal Fall
5/21/14	1:30 PM	300	Lt. Green Cluster	Lt. Green Cluster	Tight Cluster	Tight Cluster	Early Pink	Early Pink	Tight Cluster	Open Cluster	Full Bloom	20% Bloom	Full Bloom	Ear. Bud Swell	--	Petal Fall
5/25/14	5:00 PM	371	--	--	--	--	--	--	Full Bloom	Full Bloom	--	--	--	--	--	--
5/27/14	8:00 AM	397	Full Bloom	No Flowers	Open Cluster	Open Cluster	King Bloom	King Bloom	Full Bloom	Full Bloom	Petal Fall	Petal Fall	Petal Fall	Bud Burst	--	In The Shuck
6/2/14	3:30 PM	575	In The Shuck	No Flowers	Petal Fall	Petal Fall	Petal Fall	Petal Fall	Early Shuck Split	Early Shuck Split	10 mm Fruit	8 mm Fruit	9 mm Fruit	1 - 3" Shoots	--	14 mm Fruit
6/9/14	9:30 AM	710	8 mm Fruit	No Fruit	7 mm Fruit	Late Petal Fall	9 mm Fruit	Late Petal Fall	10 mm Fruit	10 mm Fruit	12 mm Fruit	11 mm Fruit	13 mm Fruit	4 - 8" Shoots	--	21 mm Fruit
6/16/14	9:30 AM	855	10 mm Fruit	No Fruit	13 mm Fruit	No Fruit	15 mm Fruit	10 mm Fruit	11 mm Fruit	12 mm Fruit	13 mm Fruit	12 mm Fruit	14 mm Fruit	10 - 16" Shoots	--	27 mm Fruit
6/23/14	10:30 AM	1035	13 mm Fruit	No Fruit	22 mm Fruit	15 mm Fruit	22 mm Fruit	22 mm Fruit	12 mm Fruit	12 mm Fruit	14 mm Fruit	13 mm Fruit	14 mm Fruit	10 - 16" Shoots	--	27 mm Fruit
6/30/14	3:00 PM	1240	17 mm Fruit	No Fruit	33 mm Fruit	No Fruit	32 mm Fruit	35 mm Fruit	13 mm Fruit	13 mm Fruit	18 mm Fruit	15 mm Fruit	17 mm Fruit	Late Bloom	--	30 mm Fruit
7/7/14	10:30 AM	1405	19 mm Fruit	No Fruit	41 mm Fruit	No Fruit	37 mm Fruit	38 mm Fruit	16 mm Fruit	16 mm Fruit	20 mm Fruit	16 mm Fruit	20 mm Fruit	Buckshot Berry	--	35mm Fruit
7/14/14	1:30 PM	1576	22 mm Fruit	No Fruit	44 mm Fruit	No Fruit	40 mm Fruit	40 mm Fruit	19 mm Fruit	17 mm Fruit	21 mm Fruit	19 mm Fruit	23 mm Fruit	Buckshot Berry	--	40 mm Fruit
7/21/14	1:30 PM	1748	29 mm Fruit	No Fruit	46 mm Fruit	No Fruit	44 mm Fruit	45 mm Fruit	21 mm Fruit	20 mm Fruit	25 mm Fruit	22 mm Fruit	Harvested	Buckshot Berry	--	41 mm Fruit
7/28/14	3:00 PM	1938	34 mm Fruit	No Fruit	55 mm Fruit	No Fruit	48 mm Fruit	48 mm Fruit	Harvested	23 mm Fruit	Harvested	Harvested	--	Buckshot Berry	--	Harvested
8/11/14	10:00 AM	2290	43 mm Fruit	No Fruit	63 mm Fruit	No Fruit	56 mm Fruit	56 mm Fruit	--	Harvested	--	--	--	Berry Touch	--	--
9/5/14	4:00 PM	2940	55 mm Fruit	No Fruit	70 mm Fruit	No Fruit	68 mm Fruit	70 mm Fruit	--	--	--	--	--	Green Fruit	--	--