2016 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
3/21/16	3:30 PM	60	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	--	--
3/28/16	4:00 PM	65	Ear. Bud Swell	Ear. Bud Swell	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Dormant	--	--
4/4/16	4:00 PM	73	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Dormant	--	--
4/11/16	1:00 PM	73	Bud Swell	Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Ear. Bud Swell	Dormant	--	--
4/18/16	4:00 PM	141	Ear. Bud Burst	Bud Burst	Green Tip	1/4" Green	Green Tip	Green Tip	Side Green	Side Green	Side Green	Green Tip	Side Green	Scale Crack	--	--
4/21/16	4:00 PM	172	Bud Burst	Bud Burst	1/4" Green	1/2" Green	1/4" Green	Green Tip	Side Green	Green Tip	Green Tip	Green Tip	Green Tip	Scale Crack	--	--
4/25/16	1:00 PM	185	Late Bud Burst	Ear. Green Cluster	1/2" Green	Ear. Tight Cluster	1/2" Green	1/4" Green	Green Tip	Bud Burst	Late Green Tip	Late Green Tip	Ear. Bud Burst	Scale Crack	--	--
4/29/16	2:00 PM	200	Green Cluster	Green Cluster	Tight Cluster	Tight Cluster	Tight Cluster	1/2" Green	Late Green Tip	Bud Burst	Ear. Bud Burst	Ear. Bud Burst	Bud Burst	Scale Crack	--	--
5/2/16	9:30 AM	218	Green Cluster	Ear. White Bud	Tight Cluster	Tight Cluster	Tight Cluster	Ear. Tight Cluster	Late Green Tip	Bud Burst	Late Bud Burst	Bud Burst	Ear White Bud	Scale Crack	--	--
5/4/16	3:00 PM	237	Green Cluster	Ear. White Bud	Tight Cluster	Tight Cluster	Tight Cluster	Ear. Tight Cluster	Ear. Bud Burst	Bud Burst	1st Bloom	Late Bud Burst	1st Bloom	Scale Crack	--	--
5/6/16	2:00 PM	260	Late Green Cluster	Ear. White Bud	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Ear. Bud Burst	Bud Burst	30% Bloom	Ear. White Bud	60% Bloom	Ear. Bud Swell	--	--
5/9/16	12:30 PM	280	White Bud	First Bloom	Tight Cluster	Tight Cluster	Early Pink	Early Pink	Early White Bud	White Bud	Full Bloom	First Bloom	Full Bloom	Ear. Bud Swell	--	--
5/12/16	4:30 PM	330	80% Bloom	85% Bloom	Early Pink	Early Pink	Pink	Pink	50% Bloom	75% Bloom	Early Petal Fall	70% Bloom	Early Petal Fall	Late Bud Swell	--	--
5/16/16	9:30 AM	350	Full Bloom	Petal Fall	Pink	Open Cluster	Open Cluster	Open Cluster	80% Bloom	Full Bloom	Petal Fall	Full Bloom	Petal Fall	Late Bud Swell	--	--
5/18/16	1:30 PM	368	Full Bloom	Petal Fall	Open Cluster	Ear. King Bloom	King Bloom	Ear. King Bloom	Full Bloom	Full Bloom	Petal Fall	Early Petal Fall	Petal Fall	Ear. Bud Burst	--	--
5/20/16	11:30 AM	390	Petal Fall	Petal Fall	King Bloom	King Bloom	70% Bloom	King Bloom	Ear. Petal Fall	Ear. Petal Fall	Late Petal Fall	Petal Fall	Late Petal Fall	Ear. Bud Burst	--	--
5/23/16	11:00 AM	450	Petal Fall	Late Petal Fall	Full Bloom	Full Bloom	Full Bloom	Full Bloom	Petal Fall	Petal Fall	Late Petal Fall	Late Petal Fall	In the Shuck	Bud Burst	--	--
5/27/16	10:00 AM	560	8 mm Fruit	9 mm Fruit	Petal Fall	Late Petal Fall	Late Petal Fall	Petal Fall	In the Shuck	In the Shuck	11 mm Fruit	Late Shuck Split	9 mm Fruit	1" - 3" Shoots	--	--
5/31/16	4:00 PM	674	10.5 mm Fruit	12 mm Fruit	10 mm Fruit	9 mm Fruit	8 mm Fruit	8 mm Fruit	10 mm Fruit	10 mm Fruit	12 mm Fruit	9 mm Fruit	10 mm Fruit	4" - 8" Shoots	--	--
6/6/16	1:00 PM	800	14 mm Fruit	16 mm Fruit	13 mm Fruit	12 mm Fruit	14 mm Fruit	14 mm Fruit	11 mm Fruit	12 mm Fruit	13 mm Fruit	11 mm Fruit	11 mm Fruit	10" - 16" Shoots	--	--
6/13/16	9:00 AM	910	16 mm Fruit	21 mm Fruit	16 mm Fruit	17 mm Fruit	20 mm Fruit	19 mm Fruit	11 mm Fruit	13 mm Fruit	14 mm Fruit	11 mm Fruit	12 mm Fruit	10" - 16" Shoots	--	--
6/20/16	1:00 PM	1105	20 mm Fruit	24 mm Fruit	22 mm Fruit	24 mm Fruit	29 mm Fruit	24 mm Fruit	12 mm Fruit	14 mm Fruit	16 mm Fruit	13 mm Fruit	14 mm Fruit	First Bloom	--	--
6/27/16	10:30 AM	1290	25 mm Fruit	26 mm Fruit	27 mm Fruit	29 mm Fruit	37 mm Fruit	34 mm Fruit	15 mm Fruit	14 mm Fruit	21 mm Fruit	16 mm Fruit	15 mm Fruit	Bloom	--	--
7/4/16	10:00 AM	1455	29 mm Fruit	34 mm Fruit	30 mm Fruit	36 mm Fruit	40 mm Fruit	39 mm Fruit	19 mm Fruit	19 mm Fruit	22 mm Fruit	19 mm Fruit	18 mm Fruit	Buckshot Berry	--	--
7/11/16	11:00 AM	1660	32 mm Fruit	38 mm Fruit	36 mm Fruit	40 mm Fruit	47 mm Fruit	46 mm Fruit	21 mm Fruit	22 mm Fruit	23 mm Fruit	20 mm Fruit	Harvested	Berry Touch	--	--
7/18/16	1:00 PM	1860	35 mm Fruit	40 mm Fruit	40 mm Fruit	44 mm Fruit	52 mm Fruit	50 mm Fruit	21 mm Fruit	23 mm Fruit	Harvested	Harvested	--	Berry Touch	--	--
7/26/16	11:30 AM	2124	43 mm Fruit	42 mm Fruit	45 mm Fruit	50 mm Fruit	59 mm Fruit	55 mm Fruit	Harvested	23 mm Fruit	--	--	--	Green Fruit	--	--
8/1/16	4:30 PM	2315	44 mm Fruit	44 mm Fruit	47 mm Fruit	52 mm Fruit	61 mm Fruit	60 mm Fruit	--	Harvested	--	--	--	Green Fruit	--	--
8/10/16	10:30 AM	2600	46 mm Fruit	45 mm Fruit	54 mm Fruit	56 mm Fruit	62 mm Fruit	62 mm Fruit	--	--	--	--	--	Green Fruit	--	--
8/15/16	1:00 PM	2770	49 mm Fruit	47 mm Fruit	58 mm Fruit	59 mm Fruit	65 mm Fruit	66 mm Fruit	--	--	--	--	--	Green Fruit	--	--
8/22/16	1:30 PM	2975	51 mm Fruit	48 mm Fruit	61 mm Fruit	63 mm Fruit	68 mm Fruit	69 mm Fruit	--	--	--	--	--	Green Fruit	--	--
8/29/16	11:30 AM	3167	56 mm Fruit	51 mm Fruit	63 mm Fruit	65 mm Fruit	72 mm Fruit	69 mm Fruit	--	--	--	--	--	Green Fruit	--	--
9/6/16	4:00 PM	3390	58 mm Fruit	54 mm Fruit	63 mm Fruit	68 mm Fruit	74 mm Fruit	73 mm Fruit	--	--	--	--	--	Veraison	--	--
9/12/16	9:00 AM	3550	59 mm Fruit	56 mm Fruit	64 mm Fruit	69 mm Fruit	74 mm Fruit	74 mm Fruit	--	--	--	--	--	Veraison	--	--