2008 GROWTH STAGES - NW Michigan Horticultural Research Station

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
3/31/08	8:00 AM	11	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant
4/8/08	3:00 PM	50	Dormant	Dormant	Early Silver Tip	Early Silver Tip	Early Silver Tip	Dormant	Dormant	Dormant	Early Bud Swell	Early Bud Swell	Early Bud Swell	Dormant	Dormant	Dormant
4/14/08	10:00 AM	52	Dormant	Dormant	Early Silver Tip	Early Silver Tip	Early Silver Tip	Dormant	Dormant	Dormant	Early Bud Swell	Early Bud Swell	Early Bud Swell	Dormant	Dormant	Dormant
4/17/08	11:00 AM	83	Bud Swell	Bud Swell	Silver Tip	Silver Tip	Silver Tip	Early Silver Tip	Early Bud Swell	Early Bud Swell	Bud Swell	Bud Swell	Bud Swell	Dormant	Dormant	Early Bud Swell
4/21/08	9:00 AM	137	Bud Swell	Bud Swell	Green Tip	Green Tip	Green Tip	Silver Tip	Green Tip	Green Tip	Green Tip	Side Green	Side Green	Scale Crack	Bud Swell	Red Tip
4/24/08	2:30 PM	198	Bud Burst	Bud Burst	1/2" Inch Green	1/2" Inch Green	1/2" Inch Green	1/2" Inch Green	Early Bud Burst	Bud Burst	Bud Burst	Bud Burst	Bud Burst	Early Bud Swell	Bud Burst	Late Bud Burst
4/28/08	10:30 AM	222	Green Cluster	Green Cluster	Tight Cluster	Ear. Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	Early Wht. Bud	Late Bud Burst	Early Wht. Bud	Early Bud Swell	Ear. Grn Cluster	First Bloom
5/2/08	11:30 AM	245	Green Cluster	Green Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	1st Bloom	Tight Cluster	1st Bloom	Late Bud Swell	Green Cluster	90% Bloom
5/5/08	9:00 AM	270	Green Cluster	Green Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Early Wht. Bud	Early Wht. Bud	80% Bloom	1st Bloom	Full Bloom	Early Bud Burst	Early Wht. Bud	Full Bloom
5/8/08	4:00 PM	301	White Bud	Ear. Wht. Bud	Early Pink	Tight Cluster		Tight Cluster	1st Bloom	White Bud	Full Bloom 5/7	50% Bloom	Full Bloom	Bud Burst	White Bud	Petal Fall
5/12/08	4:30 PM	332	1st Bloom	20% Bloom	Pink	Pink		Pink	75% Bloom	25% Bloom	Ear. Petal Fall	Full Bloom	Ear. Petal Fall	Bud Burst	50% Bloom	Late Petal Fall
5/16/08	10:30 AM	374	50% Bloom	Full Bloom	Open Cluster	Open Cluster		1st King Bloom	Full Bloom	Full Bloom	Petal Fall	Mid Petal Fall	Petal Fall	Late Bud Burst	Full Bloom	In Shuck
5/19/08	10:00 AM	398	95% Bloom	Ear. Petal Fall	King Bloom	1st King Bloom		50% King Bloom	Ear. Petal Fall	Ear. Petal Fall	Late Petal Fall	Mid Petal Fall	In Shuck	Late Bud Burst	Ear. Petal Fall	Ear. Shck Split
5/23/08	4:30 PM	423	Ear. Petal Fall	Petal Fall	85% Bloom	100% King Blm		100% King Blm	Petal Fall	Petall Fall	Ear. Shck Split	Late Petal Fall	Ear. Shck Split	1" - 3" Shoots	Late Petal Fall	8 mm Fruit
5/27/08	8:00 AM	476	Petal Fall	Late Petal Fall	Ear. Petal Fall	Ear. Petal Fall		Ear. Petal Fall	In Shuck	In Shuck	8 mm Fruit	Shuck Split	9 mm Fruit	1" - 3" Shoots	In Shuck	11 mm Fruit
5/30/08	4:00 PM	516	7 mm Fruit	7 mm Fruit	Petal Fall	Petal Fall		Petal Fall	Shuck Split	Ear. Shuck Split	9 mm Fruit	Lt. Shck Split	9 mm Fruit	1" - 3" Shoots	In Shuck	13 mm Fruit
6/2/08	4:00 PM	573	9 mm Fruit	9 mm Fruit	Late Petal Fall	Late Petal Fall		Late Petal Fall	Lt. Shck Split	Lt. Shck Split	9 mm Fruit	10 mm Fruit	10 mm Fruit	4" - 8" Shoots	Shuck Split	15 mm Fruit
6/6/08	12:30 PM	664	11 mm Fruit	11 mm Fruit	9 mm Fruit	8 mm Fruit		8 mm Fruit	11 mm Fruit	11 mm Fruit	12 mm Fruit	11 mm Fruit	12 mm Fruit	4" - 8" Shoots	Lt. Shck Split	22 mm Fruit
6/9/08	3:00 PM	745	13 mm Fruit	13 mm Fruit	12 mm Fruit	10 mm Fruit		11 mm Fruit	12 mm Fruit	13 mm Fruit	12 mm Fruit	11 mm Fruit	12 mm Fruit	10" - 16" Shoots	10 mm Fruit	24 mm Fruit
6/16/08	5:00 PM	905	16 mm Fruit	17 mm Fruit	18 mm Fruit	16 mm Fruit		16 mm Fruit	13 mm Fruit	13 mm Fruit	13 mm Fruit	12 mm Fruit	13 mm Fruit	10" - 16" Shoots	15 mm Fruit	28 mm Fruit
6/23/08	3:30 PM	1035	20 mm Fruit	22 mm Fruit	24 mm Fruit	21 mm Fruit		22 mm Fruit	13 mm Fruit	13 mm Fruit	16 mm Fruit	13 mm Fruit	15 mm Fruit	10" - 16" Shoots	20 mm Fruit	28 mm Fruit
7/8/08	8:00 AM	1400	35 mm Fruit	34 mm Fruit	32 mm Fruit	30 mm Fruit		35 mm Fruit	18 mm Fruit	19 mm Fruit	19 mm Fruit	18 mm Fruit	19 mm Fruit	Buckshot	25 mm Fruit	39 mm Fruit
7/21/08	3:00 PM	1809	35 mm Fruit	38 mm Fruit	47 mm Fruit	41 mm Fruit		44 mm Fruit	Early Harvest	23 mm Fruit	Harvest	Harvest	Harvest	Berry Touch	27 mm Fruit	Harvest