2006 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
3/29/06	9:30 AM	23	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant
4/6/06	2:00 PM	61	Early Bud Swell	Dormant	Early Silver Tip	Early Silver Tip	Early Silver Tip	Early Silver Tip	Early Bud Swell	Early Bud Swell	Early Bud Swell	Early Bud Swell	Early Bud Swell	Scale Crack	Dormant	Bud Swell
4/10/06	3:30 PM	75	Early Bud Swell	Dormant	Early Silver Tip	Early Silver Tip	Early Silver Tip	Early Silver Tip	Early Bud Swell	Early Bud Swell	Early Bud Swell	Early Bud Swell	Early Bud Swell	Scale Crack	Dormant	Bud Swell
4/14/06	4:00 PM	136	Bud Swell	Bud Swell	Green Tip	Green Tip	Green Tip	Green Tip	Swollen Bud	Swollen Bud	Swollen Bud	Swollen Bud	Swollen Bud	Early Bud Swell	Bud Swell	Bud Burst
4/17/06	1:30 PM	165	Bud Burst	Bud Swell	1/4" Green	1/4" Green	1/4" Green	1/4" Green	Swollen Bud	Green Tip	Green Tip	Green Tip	Green Tip	Early Bud Swell	Bud Burst	Bud Burst
4/19/06	3:30 PM	192	Late Bud Burst	Late Bud Swell	1/2" Green	1/2" Green	1/2" Green	1/2" Green	Late Swollen Bud	Bud Burst	Early Bud Burst	Bud Burst	Bud Burst	Early Bud Swell	Green Cluster	White Bud
4/21/06	1:30 PM	228	Green Cluster	Green Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	Late Bud Burst	Very Early Wht Bud	Early White Bud	Late Bud Swell	Green Cluster	Full Bloom
4/24/06	3:00 PM	260	Green Cluster	Green Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	1st Bloom	Early White Bud	1st Bloom	Late Bud Swell	Green Cluster	Early Petal Fall
4/27/06	4:30 PM	276	-	-	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	-	-	50% Bloom	1st Bloom	85% Bloom	Late Bud Swell	-	-
4/28/06	3:30 PM	284	White Bud	White Bud	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Early Wht Bud	Early Wht Bud	Full Bloom	30% Bloom	Full Bloom	Late Bud Swell	White Bud	Petal Fall
5/1/06	1:00 PM	327	White Bud	1st Bloom	Pink	Open Cluster	Pink	Pink	20% Bloom	1st Bloom	Full Bloom	Full Bloom	Full Bloom	Late Bud Swell	1st Bloom	In Shuck
5/3/06	3:30 PM	360	50% Bloom	Full Bloom	Open Cluster	Open Cluster	Open Cluster	Open Cluster	Full Bloom	Full Bloom	Petal Fall	Full Bloom	Petal Fall	Bud Burst	Full Bloom	In Shuck
5/5/06	3:00 PM	389	Full Bloom	Full Bloom	1st King Bloom	Open Cluster	Open Cluster	Open Cluster	Full Bloom	Full Bloom	Petal Fall	Petal Fall	Fruit Set	Bud Burst	Early Petal Fall	In Shuck
5/8/06	1:30 PM	425	Full Bloom	Petal Fall	60% Bloom	King Bloom	King Bloom	King Bloom	Early Petal Fall	Early Petal Fall	Fruit Set	Late Petal Fall	Fruit Set	1 - 3" Shoots	Petal Fall	Shuck Split
5/15/06	9:30 AM	504	Late Petal Fall	Late Petal Fall	80% Petal Fall	50% Petal Fall	Early Petal Fall	60% Petal Fall	Late Petal Fall	Late Petal Fall	7 mm Fruit	Shuck Split	8 mm Fruit	1 - 3" Shoots	Late Petal Fall	10 mm Fruit
5/22/06	10:00 AM	568	6 mm Fruit	8 mm Fruit	Late Petal Fall	Late Petal Fall	Late Petal Fall	Late Petal Fall	Shuck Split	Shuck Split	9 mm Fruit	10 mm Fruit	10 mm Fruit	1 - 3" Shoots	Ear. Shuck Split	15 mm Fruit
5/30/06	8:00 AM	738	10 mm Fruit	12 mm Fruit	9 mm Fruit	7 mm Fruit	8 mm Fruit	7 mm Fruit	10 mm Fruit	11 mm Fruit	13 mm Fruit	12 mm Fruit	13 mm Fruit	10" - 16" Shoots	8 mm Fruit	25 mm Fruit
6/5/06	11:30 AM	902	13 mm Fruit	16 mm Fruit	15 mm Fruit	15 mm Fruit	18 mm Fruit	13 mm Fruit	12 mm Fruit	12 mm Fruit	14 mm Fruit	12 mm Fruit	14 mm Fruit	10" - 16" Shoots	11 mm Fruit	30 mm Fruit
6/12/06	1:30 PM	1025	17 mm Fruit	20 mm Fruit	26 mm Fruit	22 mm Fruit	25 mm Fruit	20 mm Fruit	13 mm Fruit	13 mm Fruit	18 mm Fruit	13 mm Fruit	15 mm Fruit	10" - 16" Shoots	18 mm Fruit	33 mm Fruit
6/19/06	2:00 PM	1222	19 mm Fruit	23 mm Fruit	34 mm Fruit	28 mm Fruit	33 mm Fruit	28 mm Fruit	14 mm Fruit	14 mm Fruit	20 mm Fruit	16 mm Fruit	19 mm Fruit	Bloom	20 mm Fruit	33 mm Fruit
6/26/06	8:00 AM	1365	22 mm Fruit	32 mm Fruit	45 mm Fruit	34 mm Fruit	37 mm Fruit	34 mm Fruit	17 mm Fruit	15 mm Fruit	19 mm Fruit	18 mm Fruit	23 mm Fruit	Bloom	22 mm Fruit	35 mm Fruit
7/3/06	11:00 AM	1560	28 mm Fruit	33 mm Fruit	50 mm Fruit	38 mm Fruit	40 mm Fruit	41 mm Fruit	18 mm Fruit	19 mm Fruit	22 mm Fruit	22 mm Fruit	25 mm Fruit	Buck Shot	25 mm Fruit	36 mm Fruit
7/10/06	8:30 AM	1751	32 mm Fruit	40 mm Fruit	56 mm Fruit	45 mm Fruit	44 mm Fruit	50 mm Fruit	19 mm Fruit	21 mm Fruit	24 mm Fruit	23 mm Fruit	25 mm Fruit	Berry Touch	26 mm Fruit	36 mm Fruit
7/17/06	1:00 PM	1998	37 mm Fruit	41 mm Fruit	60 mm Fruit	50 mm Fruit	48 mm Fruit	51 mm Fruit	24 mm Fruit	24 mm Fruit	Harvest	Harvest	Harvest	Green Fruit	27 mm Fruit	38 mm Fruit
7/24/06	10:00 AM	2192	40 mm Fruit	47 mm Fruit	64 mm Fruit	55 mm Fruit	50 mm Fruit	52 mm Fruit	Harvest	Harvest	-	-	-	Green Fruit	28 mm Fruit	Harvest
8/7/06	11:00 AM	2677	45 mm Fruit	59 mm Fruit	72 mm Fruit	60 mm Fruit	55 mm Fruit	62 mm Fruit	-	-	-	-	-	Green Fruit	33 mm Fruit	-
8/21/06	9:00 AM	3030	50 mm Fruit	62 mm Fruit	76 mm Fruit	66 mm Fruit	60 mm Fruit	72 mm Fruit	-	-	-	-	-	Green Fruit	34 mm Fruit	-
9/5/06	11:00 AM	3401	55 mm Fruit	65 mm Fruit	82 mm Fruit	72 mm Fruit	63 mm Fruit	73 mm Fruit	-	-	-	-	-	Colored Fruit	Harvest	-