2005 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
3/31/05	10:00 AM	41	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant	Dormant
4/7/05	10:30 AM	86	Swollen Bud	Swollen Bud	Silver Tip	Silver Tip	Silver Tip	Silver Tip	Early Sw. Bud	Early Sw. Bud	Swollen Bud	Swollen Bud	Swollen Bud	Dormant	Early Sw. Bud	Swollen Bud
4/11/05	9:30 AM	127	Swollen Bud	Swollen Bud	Green Tip	Green Tip	Green Tip	Green Tip	Swollen Bud	Swollen Bud	Side Green	Side Green	Side Green	Scale Crack	Swollen Bud	Swollen Bud
4/15/05	9:00 AM	157	Swollen Bud	Swollen Bud	Green Tip	1/4" Green	1/4" Green	1/4" Green	Side Green	Side Green	Side Green	Late Side Green	Side Green	Scale Crack	Late Sw. Bud	Late Sw. Bud
4/18/05	10:00 AM	199	Bud Burst	Late Bud Burst	1/2" Green	1/2" Green	Tight Cluster	1/2" Green	Side Green	Side Green	Side Green	Early Bud Burst	Side Green	Lt. Scale Crack	Ear. Gr. Cluster	White Bud
4/19/05	1:30 PM	230	Ear. Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	Bud Burst	Bud Burst	Ear. Wht. Bud	Lt. Scale Crack	Green Cluster	60% Bloom
4/22/05	11:00 AM	252	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	Bud Burst	Ear. Wht. Bud	Ear. Wht. Bud	Lt. Scale Crack	Green Cluster	Full Bloom
4/25/05	9:00 AM	258	Open Cluster	Early Open Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	Late Bud Burst	Ear. Wht. Bud	Late Wht. Bud	Lt. Scale Crack	Green Cluster	Early Petal Fall
4/28/05	11:30 AM	264	Open Cluster	Open Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	Ear. Wht. Bud	Ear. Wht. Bud	5% Bloom	Lt. Scale Crack	Ear. Wht. Bud	Early Petal Fall
5/2/05	9:00 AM	274	Open Cluster	Open Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Tight Cluster	Bud Burst	Late Bud Burst	1st Bloom	White Bud	25% Bloom	Lt. Scale Crack	Ear. Wht. Bud	Petal Fall
5/5/05	3:30 PM	290	Ear. Wht. Bud	Ear. Wht. Bud	Early Pink	Tight Cluster	Early Pink	Early Pink	Ear. Wht. Bud	White Bud	80% Bloom	35% Bloom	Full Bloom	Lt. Scale Crack	White Bud	Petal Fall
5/9/05	8:40 AM	345	1st Bloom	40% Bloom	Pink	Early Pink	Pink	Pink	50% Bloom	50% Bloom	Full Bloom	80% Bloom	Full Bloom	Early Bud Swell	Full Bloom	Fruit in Shuck
5/10/05	2:30 PM	382	Full Bloom	Full Bloom	Ear. King Bloom	Open Cluster	King Bloom	Open Cluster	Full Bloom	Full Bloom	Petal Fall	Ear. Petal Fall	Petal Fall	Early Bud Swell	Ear. Petal Fall	Fruit Set
5/13/05	9:00 AM	394	Full Bloom	Full Bloom	King Bloom	Ear. King Bloom	King Bloom	Ear. King Bloom	Ear. Petal Fall	Ear. Petal Fall	Petal Fall	Petal Fall	Late Petal Fall	Late Bud Swell	Petal Fall	Fruit Set
5/16/05	9:00 AM	405	Ear. Petal Fall	Ear. Petal Fall	King Bloom	King Bloom	King Bloom	King Bloom	Ear. Petal Fall	Ear. Petal Fall	Fruit Set	Petal Fall	Fruit Set	Late Bud Swell	Petal Fall	Shuck Split
5/20/05	9:00 AM	447	Petal Fall	Petal Fall	Full Bloom	Late King Bloom	Late King Bloom	King Bloom	Petal Fall	Petal Fall	In the Shuck	In the Shuck	In the Shuck	Late Bud Swell	Petal Fall	Shuck Split
5/23/05	9:00 AM	503	Petal Fall	Petal Fall	Petal Fall	80% Bloom	Full Bloom	80% Bloom	Fruit Set	Fruit Set	Shuck Split	Shuck Split	Shuck Split	Bud Burst	Fruit Set	Shuck Split
5/27/05	9:30 AM	560	8 mm Fruit	8 mm Fruit	Late Petal Fall	Full Bloom	Late Petal Fall	Full Bloom	7 mm Fruit	Shuck Split	10 mm Fruit	8 mm Fruit	9 mm Fruit	1 - 3" Shoots	Shuck Split	18 mm Fruit
5/31/05	8:15 AM	625	No Fruit	11 mm Fruit	8 mm Fruit	Late Petal Fall	10 mm Fruit	Late Petal Fall	8 mm Fruit	8 mm Fruit	11 mm Fruit	10 mm Fruit	10 mm Fruit	1 - 3" Shoots	Shuck Split	22 mm Fruit
6/6/05	8:00 AM	801	No Fruit	13 mm Fruit	13 mm Fruit	11 mm Fruit	10 mm Fruit	11 mm Fruit	11 mm Fruit	12 mm Fruit	13 mm Fruit	11 mm Fruit	11 mm Fruit	10 - 16" Shoots	8 mm Fruit	28 mm Fruit
6/13/05	9:15 AM	1031	No Fruit	21 mm Fruit	21 mm Fruit	17 mm Fruit	21 mm Fruit	17 mm Fruit	12 mm Fruit	12 mm Fruit	14 mm Fruit	11 mm Fruit	13 mm Fruit	10 - 16" Shoots	18 mm Fruit	30 mm Fruit
6/20/05	8:30 AM	1179	No Fruit	23 mm Fruit	30 mm Fruit	21 mm Fruit	22 mm Fruit	23 mm Fruit	13 mm Fruit	13 mm Fruit	15 mm Fruit	13 mm Fruit	14 mm Fruit	First Bloom	20 mm Fruit	33 mm Fruit
6/27/05	4:00 PM	1416	No Fruit	29 mm Fruit	34 mm Fruit	26 mm Fruit	31 mm Fruit	29 mm Fruit	16 mm Fruit	15 mm Fruit	19 mm Fruit	16 mm Fruit	18 mm Fruit	Fruit Set	22 mm Fruit	33 mm Fruit
7/4/05	8:30 AM	1614	No Fruit	33 mm Fruit	38 mm Fruit	29 mm Fruit	37 mm Fruit	33 mm Fruit	18 mm Fruit	16 mm Fruit	19 mm Fruit	18 mm Fruit	18 mm Fruit	Early Buckshot	25 mm Fruit	33 mm Fruit
7/11/05	8:15 AM	1826	No Fruit	36 mm Fruit	43 mm Fruit	33 mm Fruit	42 mm Fruit	40 mm Fruit	18 mm Fruit	18 mm Fruit	22 mm Fruit	18 mm Fruit	18 mm Fruit	Berry Touch	25 mm Fruit	35 mm Fruit
7/18/05	8:00 AM	2079	No Fruit	39 mm Fruit	48 mm Fruit	40 mm Fruit	49 mm Fruit	40 mm Fruit	19 mm Fruit	18 mm Fruit	Harvest	Harvest	Harvest	Green Fruit	26 mm Fruit	41 mm Fruit
7/25/05	9:00 AM	2299	No Fruit	45 mm Fruit	50 mm Fruit	42 mm Fruit	53 mm Fruit	54 mm Fruit	Harvest	19 mm Fruit	Harvest	Harvest	Harvest	Green Fruit	28 mm Fruit	Harvest
8/2/05	10:00 AM	2529	No Fruit	46 mm Fruit	56 mm Fruit	50 mm Fruit	56 mm Fruit	54 mm Fruit	Harvest	Harvest				Green Fruit	29 mm Fruit	Harvest
8/8/05	8:00 AM	2725	No Fruit	50 mm Fruit	62 mm Fruit	54 mm Fruit	59 mm Fruit	59 mm Fruit		Harvest				Green Fruit	30 mm Fruit	
8/22/05	9:00 AM	3116	No Fruit	51 mm Fruit	70 mm Fruit	61 mm Fruit	63 mm Fruit	62 mm Fruit						Green Fruit	33 mm Fruit	
9/6/05	8:30 AM	3512	No Fruit	60 mm Fruit	73 mm Fruit	65 mm Fruit	69 mm Fruit	66 mm Fruit						Green Fruit	33 mm Fruit	