

Table 1. A Phenological Sequence for Wooster, Ohio, from 1997-2001.

Includes Date of Occurrence and Cumulative Degree-Days (DD50) for 92 Plant and 43 Insect and Mite Taxa in Secrest Arboretum. Insect and mite species are indicated in bold (NA indicates no data are available). Cumulative degree-days (DD50) were calculated using a base temperature of 50°F and a starting date of January 1. A column has been included for the current year's date so that readers may use this table as a data sheet for monitoring plant and pest activity.

Plant or Arthropod Taxon	Phenological Event	Year					Average		Current Year's
		1997	1998	1999	2000	2001	Date	DD50	Date
Silver Maple	first bloom	7-Mar	25-Feb	3-Mar	27-Feb	7-Mar	2-Mar	34	_____
Corneliancherry Dogwood	first bloom	15-Mar	10-Mar	19-Mar	5-Mar	31-Mar	16-Mar	40	_____
Silver Maple	full bloom	25-Mar	15-Mar	28-Mar	4-Mar	23-Mar	19-Mar	42	_____
Speckled Alder	first bloom	13-Mar	27-Mar	27-Mar	7-Mar	6-Apr	22-Mar	52	_____
Red Maple	first bloom	25-Mar	23-Mar	29-Mar	6-Mar	3-Apr	24-Mar	44	_____
Speckled Alder	full bloom	22-Mar	31-Mar	4-Apr	15-Mar	NA	25-Mar	97	_____
Northern Lights Forsythia	first bloom	30-Mar	25-Mar	1-Apr	8-Mar	4-Apr	26-Mar	58	_____
Japanese Pieris	first bloom	NA	25-Mar	30-Mar	14-Mar	7-Apr	27-Mar	60	_____
Red Maple	full bloom	4-Apr	28-Mar	1-Apr	9-Mar	6-Apr	28-Mar	75	_____
Manchu Cherry	first bloom	2-Apr	28-Mar	4-Apr	22-Mar	NA	29-Mar	93	_____
Border Forsythia	first bloom	30-Mar	28-Mar	3-Apr	19-Mar	8-Apr	30-Mar	86	_____
Star Magnolia	first bloom	4-Apr	28-Mar	2-Apr	23-Mar	7-Apr	31-Mar	83	_____
Northern Lights Forsythia	full bloom	4-Apr	29-Mar	7-Apr	17-Mar	8-Apr	31-Mar	94	_____
Eastern Tent Caterpillar	egg hatch	4-Apr	28-Mar	4-Apr	23-Mar	8-Apr	1-Apr	92	_____
Corneliancherry Dogwood	full bloom	4-Apr	28-Mar	4-Apr	25-Mar	9-Apr	1-Apr	98	_____
Norway Maple	first bloom	6-Apr	30-Mar	7-Apr	25-Mar	10-Apr	3-Apr	116	_____
Border Forsythia	full bloom	4-Apr	30-Mar	10-Apr	26-Mar	11-Apr	4-Apr	116	_____
Chanticleer Callery Pear	first bloom	7-Apr	30-Mar	8-Apr	25-Mar	11-Apr	4-Apr	123	_____
Sargent Cherry	first bloom	5-Apr	31-Mar	11-Apr	25-Mar	11-Apr	4-Apr	127	_____
Saucer Magnolia	first bloom	NA	8-Apr	5-Apr	28-Mar	12-Apr	5-Apr	133	_____
Larch Casebearer	egg hatch	15-Apr	6-Apr	8-Apr	25-Mar	10-Apr	6-Apr	128	_____
Japanese Pieris	full bloom	NA	29-Mar	11-Apr	9-Apr	11-Apr	7-Apr	129	_____
Common Floweringquince	first bloom	23-Apr	1-Apr	8-Apr	26-Mar	12-Apr	8-Apr	137	_____
Manchu Cherry	full bloom	NA	2-Apr	15-Apr	7-Apr	NA	8-Apr	155	_____
Bradford Callery Pear	first bloom	21-Apr	1-Apr	11-Apr	31-Mar	14-Apr	9-Apr	142	_____
Weeping Higan Cherry	first bloom	20-Apr	1-Apr	13-Apr	3-Apr	13-Apr	10-Apr	145	_____
European Pine Sawfly	egg hatch	15-Apr	6-Apr	11-Apr	1-Apr	18-Apr	10-Apr	144	_____
Sargent Cherry	full bloom	NA	1-Apr	20-Apr	6-Apr	13-Apr	10-Apr	151	_____
Norway Maple	full bloom	NA	31-Mar	14-Apr	13-Apr	16-Apr	11-Apr	149	_____
Inkberry Leafminer	adult emergence	15-Apr	10-Apr	13-Apr	6-Apr	14-Apr	11-Apr	150	_____
PJM Rhododendron	first bloom	21-Apr	1-Apr	10-Apr	10-Apr	15-Apr	11-Apr	147	_____
Star Magnolia	full bloom	NA	NA	17-Apr	2-Apr	16-Apr	11-Apr	151	_____
Spruce Spider Mite	egg hatch	NA	20-Apr	16-Apr	5-Apr	11-Apr	13-Apr	162	_____
Chanticleer Callery Pear	full bloom	20-Apr	1-Apr	18-Apr	7-Apr	19-Apr	13-Apr	149	_____
Bradford Callery Pear	full bloom	NA	7-Apr	19-Apr	12-Apr	22-Apr	15-Apr	164	_____
Allegheny Serviceberry	first bloom	23-Apr	7-Apr	19-Apr	12-Apr	19-Apr	16-Apr	153	_____
Spring Snow Crabapple	first bloom	22-Apr	6-Apr	21-Apr	14-Apr	18-Apr	16-Apr	155	_____
Apple Serviceberry	first bloom	22-Apr	8-Apr	20-Apr	14-Apr	21-Apr	17-Apr	159	_____
Boxwood Psyllid	egg hatch	NA	15-Apr	19-Apr	20-Apr	14-Apr	17-Apr	179	_____
Compact Garland Spirea	first bloom	27-Apr	8-Apr	20-Apr	14-Apr	19-Apr	17-Apr	159	_____
Saucer Magnolia	full bloom	NA	NA	18-Apr	15-Apr	22-Apr	18-Apr	174	_____
Allegheny Serviceberry	full bloom	29-Apr	9-Apr	24-Apr	14-Apr	21-Apr	19-Apr	169	_____
PJM Rhododendron	full bloom	1-May	8-Apr	19-Apr	17-Apr	22-Apr	19-Apr	178	_____
Weeping Higan Cherry	full bloom	29-Apr	11-Apr	24-Apr	16-Apr	22-Apr	20-Apr	179	_____

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		1997	1998	1999	2000	2001	Date DD50	Date	
Apple Serviceberry	full bloom	29-Apr	11-Apr	25-Apr	19-Apr	22-Apr	21-Apr	182	_____
Koreanspice Viburnum	first bloom	26-Apr	13-Apr	28-Apr	17-Apr	22-Apr	21-Apr	185	_____
Common Chokecherry	first bloom	2-May	16-Apr	25-Apr	15-Apr	20-Apr	21-Apr	182	_____
Regent Serviceberry	first bloom	1-May	13-Apr	26-Apr	16-Apr	22-Apr	22-Apr	186	_____
Japanese Flowering Crab	first bloom	5-May	14-Apr	23-Apr	16-Apr	22-Apr	22-Apr	189	_____
Gypsy Moth	egg hatch	7-May	16-Apr	26-Apr	16-Apr	21-Apr	23-Apr	192	_____
Azalea Lace Bug	egg hatch	NA	NA	20-Apr	20-Apr	30-Apr	23-Apr	206	_____
Eastern Redbud	first bloom	7-May	14-Apr	26-Apr	17-Apr	21-Apr	23-Apr	191	_____
Donald Wyman Crabapple	first bloom	4-May	16-Apr	27-Apr	17-Apr	22-Apr	23-Apr	197	_____
Snowdrift Crabapple	first bloom	2-May	17-Apr	28-Apr	17-Apr	22-Apr	23-Apr	198	_____
Compact Garland Spirea	full bloom	6-May	16-Apr	27-Apr	20-Apr	23-Apr	24-Apr	205	_____
Elm Leafminer	adult emergence	NA	22-Apr	26-Apr	23-Apr	27-Apr	24-Apr	219	_____
Koreanspice Viburnum	full bloom	7-May	17-Apr	17-Apr	25-Apr	26-Apr	24-Apr	205	_____
Spring Snow Crabapple	full bloom	3-May	17-Apr	27-Apr	22-Apr	26-Apr	25-Apr	209	_____
Alder Leafminer	adult emergence	NA	25-Apr	26-Apr	23-Apr	27-Apr	25-Apr	224	_____
Carolina Silverbell	first bloom	5-May	18-Apr	28-Apr	22-Apr	25-Apr	25-Apr	213	_____
Birch Leafminer	adult emergence	5-May	22-Apr	26-Apr	24-Apr	27-Apr	26-Apr	215	_____
Common Floweringquince	full bloom	22-May	13-Apr	25-Apr	21-Apr	23-Apr	27-Apr	214	_____
Coral Burst Crabapple	first bloom	11-May	18-Apr	29-Apr	21-Apr	26-Apr	27-Apr	217	_____
Honeylocust Spider Mite	egg hatch	NA	NA	28-Apr	28-Apr	27-Apr	27-Apr	227	_____
Regent Serviceberry	full bloom	7-May	21-Apr	30-Apr	23-Apr	26-Apr	27-Apr	219	_____
Common Chokecherry	full bloom	8-May	21-Apr	1-May	24-Apr	26-Apr	28-Apr	221	_____
Hawthorn Lace Bug	adult emergence	NA	22-Apr	3-May	4-May	29-Apr	29-Apr	253	_____
Sargent Crabapple	first bloom	10-May	24-Apr	2-May	23-Apr	28-Apr	29-Apr	230	_____
Wayfaringtree Viburnum	first bloom	10-May	22-Apr	2-May	24-Apr	29-Apr	29-Apr	229	_____
Tatarian Honeysuckle	first bloom	12-May	23-Apr	2-May	23-Apr	30-Apr	30-Apr	233	_____
Honeylocust Plant Bug	egg hatch	16-May	22-Apr	28-Apr	28-Apr	29-Apr	30-Apr	230	_____
Common Lilac	first bloom	15-May	23-Apr	1-May	26-Apr	29-Apr	1-May	234	_____
Hawthorn Leafminer	adult emergence	NA	NA	NA	3-May	30-Apr	1-May	260	_____
Persian Lilac	first bloom	16-May	23-Apr	2-May	28-Apr	30-Apr	1-May	240	_____
Ohio Buckeye	first bloom	14-May	26-Apr	2-May	2-May	27-Apr	2-May	245	_____
Eastern Redbud	full bloom	19-May	27-Apr	2-May	28-Apr	26-Apr	2-May	245	_____
Snowdrift Crabapple	full bloom	15-May	24-Apr	4-May	29-Apr	1-May	2-May	250	_____
Donald Wyman Crabapple	full bloom	16-May	26-Apr	3-May	30-Apr	1-May	3-May	251	_____
Japanese Flowering Crab	full bloom	22-May	23-Apr	2-May	30-Apr	1-May	3-May	254	_____
Common Horsechestnut	first bloom	16-May	27-Apr	2-May	4-May	29-Apr	4-May	251	_____
Imported Willow									
Leaf Beetle	adult emergence	18-May	24-Apr	5-May	5-May	3-May	5-May	274	_____
Flowering Dogwood	first bloom	20-May	26-Apr	4-May	4-May	1-May	5-May	263	_____
Coral Burst Crabapple	full bloom	18-May	29-Apr	3-May	4-May	1-May	5-May	263	_____
Dwarf Fothergilla	first bloom	20-May	30-Apr	5-May	4-May	27-Apr	5-May	265	_____
Carolina Silverbell	full bloom	17-May	30-Apr	3-May	3-May	3-May	5-May	266	_____
Red Buckeye	first bloom	18-May	30-Apr	4-May	3-May	1-May	5-May	265	_____
Japanese Kerria	first bloom	20-May	30-Apr	4-May	4-May	1-May	5-May	268	_____
Blackhaw Viburnum	first bloom	19-May	29-Apr	4-May	3-May	2-May	6-May	269	_____
Red Chokeberry	first bloom	19-May	29-Apr	6-May	4-May	3-May	6-May	281	_____
Wayfaringtree Viburnum	full bloom	20-May	1-May	6-May	5-May	3-May	7-May	290	_____
Sargent Crabapple	full bloom	19-May	2-May	6-May	6-May	4-May	7-May	298	_____
Red Horsechestnut	first bloom	19-May	2-May	6-May	6-May	6-May	7-May	304	_____
Pine Needle Scale	1st generation	22-May	3-May	5-May	6-May	6-May	8-May	305	_____
Persian Lilac	full bloom	23-May	4-May	7-May	3-May	6-May	8-May	303	_____

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		1997	1998	1999	2000	2001	Date DD50	Date	
Cooley Spruce Gall Adelgid	egg hatch	22-May	3-May	6-May	6-May	6-May	8-May	308	_____
Eastern Spruce Gall Adelgid	egg hatch	22-May	3-May	6-May	6-May	6-May	8-May	308	_____
Pink Princess Weigela	first bloom	20-May	1-May	9-May	7-May	6-May	8-May	316	_____
Umbrella Magnolia	first bloom	26-May	4-May	6-May	5-May	3-May	9-May	304	_____
Vanhoutte Spirea	first bloom	25-May	4-May	7-May	4-May	5-May	9-May	309	_____
Common Lilac	full bloom	26-May	3-May	7-May	6-May	5-May	9-May	315	_____
Blackhaw Viburnum	full bloom	22-May	4-May	9-May	7-May	6-May	9-May	322	_____
Redosier Dogwood	first bloom	27-May	5-May	8-May	6-May	5-May	10-May	323	_____
Winter King Hawthorn	first bloom	26-May	6-May	10-May	6-May	5-May	10-May	328	_____
Lilac Borer	adult emergence	30-May	5-May	10-May	7-May	3-May	11-May	330	_____
Dwarf Fothergilla	full bloom	23-May	NA	9-May	7-May	6-May	11-May	325	_____
Slender Deutsia	first bloom	29-May	6-May	9-May	7-May	6-May	11-May	338	_____
Common Horsechestnut	full bloom	29-May	5-May	10-May	8-May	7-May	12-May	344	_____
Red Chokeberry	full bloom	26-May	8-May	11-May	8-May	7-May	12-May	351	_____
Doublefile Viburnum	first bloom	27-May	7-May	12-May	7-May	9-May	12-May	353	_____
Pagoda Dogwood	first bloom	30-May	7-May	11-May	9-May	8-May	13-May	363	_____
Red Java Weigela	first bloom	29-May	6-May	11-May	9-May	11-May	13-May	365	_____
Black Cherry	first bloom	28-May	9-May	12-May	9-May	8-May	13-May	368	_____
Holly Leafminer	adult emergence	29-May	9-May	11-May	9-May	11-May	13-May	375	_____
Japanese Kerria	full bloom	23-May	NA	9-May	10-May	NA	14-May	342	_____
Lesser Peach Tree Borer	adult emergence	4-Jun	6-May	10-May	8-May	11-May	14-May	372	_____
Ohio Buckeye	full bloom	31-May	8-May	12-May	10-May	8-May	14-May	374	_____
Common Sweetshrub	first bloom	4-Jun	11-May	12-May	8-May	5-May	14-May	371	_____
Locust Leafminer	adult emergence	NA	NA	NA	NA	16-May	16-May	437	_____
Euonymus Scale	egg hatch - 1st generation	30-May	15-May	15-May	10-May	11-May	16-May	406	_____
Ohio Pioneer Thicket Hawthorn	first bloom	26-May	6-May	20-May	16-May	16-May	16-May	406	_____
Vanhoutte Spirea	full bloom	1-Jun	12-May	17-May	9-May	14-May	16-May	406	_____
Winter King Hawthorn	full bloom	5-Jun	11-May	14-May	10-May	14-May	17-May	407	_____
Tatarian Honeysuckle	full bloom	28-May	12-May	17-May	15-May	12-May	17-May	410	_____
Catawba Rhododendron	first bloom	2-Jun	9-May	15-May	13-May	15-May	17-May	407	_____
Beautybush	first bloom	3-Jun	11-May	17-May	12-May	13-May	17-May	417	_____
Black Cherry	full bloom	3-Jun	13-May	15-May	13-May	13-May	18-May	419	_____
Miss Kim Manchurian Lilac	first bloom	4-Jun	12-May	19-May	11-May	14-May	18-May	422	_____
White Fringetree	first bloom	9-Jun	14-May	16-May	12-May	12-May	19-May	435	_____
Snowmound Nippon Spirea	first bloom	9-Jun	16-May	16-May	13-May	12-May	19-May	445	_____
Red Prince Weigela	first bloom	3-Jun	15-May	21-May	14-May	13-May	19-May	446	_____
Pink Princess Weigela	full bloom	2-Jun	16-May	19-May	13-May	16-May	19-May	446	_____
Doublefile Viburnum	full bloom	1-Jun	15-May	18-May	15-May	18-May	20-May	444	_____
Bush Cinquefoil	first bloom	8-Jun	14-May	18-May	12-May	16-May	20-May	444	_____
Redosier Dogwood	full bloom	5-Jun	15-May	19-May	14-May	15-May	20-May	448	_____
Red Horsechestnut	full bloom	2-Jun	13-May	16-May	19-May	18-May	20-May	440	_____
Black Locust	first bloom	9-Jun	17-May	18-May	14-May	17-May	21-May	467	_____
Scarlet Firethorn	first bloom	1-Jun	10-May	23-May	18-May	22-May	21-May	459	_____
Red Buckeye	full bloom	7-Jun	17-May	18-May	15-May	20-May	21-May	471	_____
Umbrella Magnolia	full bloom	9-Jun	18-May	24-May	15-May	14-May	22-May	480	_____

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		1997	1998	1999	2000	2001	Date	DD50	
Common Ninebark	first bloom	9-Jun	16-May	21-May	17-May	18-May	22-May	478	
Sweet Mockorange	first bloom	8-Jun	17-May	22-May	16-May	19-May	22-May	482	
Pagoda Dogwood	full bloom	9-Jun	15-May	26-May	17-May	17-May	23-May	479	
Ohio Pioneer Thicket Hawthorn	full bloom	5-Jun	11-May	26-May	23-May	24-May	24-May	470	
Oystershell Scale	egg hatch	9-Jun	17-May	27-May	18-May	19-May	24-May	497	
Smokebush	first bloom	12-Jun	19-May	22-May	17-May	19-May	24-May	501	
Miss Kim Manchurian Lilac	full bloom	9-Jun	15-May	26-May	20-May	22-May	24-May	498	
White Fringetree	full bloom	13-Jun	17-May	23-May	18-May	22-May	25-May	517	
Catawba Rhododendron	full bloom	10-Jun	15-May	26-May	22-May	22-May	25-May	503	
Arrowwood Viburnum	first bloom	12-Jun	18-May	27-May	23-May	25-May	27-May	534	
American Yellowwood	first bloom	13-Jun	23-May	23-May	24-May	23-May	27-May	546	
Black Locust	full bloom	14-Jun	21-May	27-May	21-May	25-May	27-May	548	
Sweetbay Magnolia	first bloom	22-Jun	23-May	20-May	26-May	17-May	27-May	566	
Bronze Birch Borer	adult emergence	12-Jun	18-May	2-Jun	23-May	23-May	28-May	547	
Multiflora Rose	first bloom	14-Jun	18-May	28-May	26-May	25-May	28-May	548	
American Holly	first bloom	13-Jun	20-May	26-May	28-May	24-May	28-May	556	
American Yellowwood	full bloom	NA	26-May	27-May	30-May	1-Jun	28-May	599	
Red Java Weigela	full bloom	14-Jun	17-May	3-Jun	25-May	24-May	29-May	565	
Potato Leafhopper	adult arrival	16-Jun	22-May	27-May	29-May	21-May	29-May	568	
Juniper Scale	egg hatch	14-Jun	21-May	1-Jun	19-May	29-May	29-May	571	
Black Vine Weevil	adult emergence	NA	31-May	10-Jun	28-May	22-May	30-May	677	
Mountain-laurel	first bloom	12-Jun	20-May	28-May	26-May	2-Jun	30-May	565	
Scarlet Firethorn	full bloom	8-Jun	18-May	1-Jun	27-May	5-Jun	30-May	565	
Snowmound Nippon Spirea	full bloom	14-Jun	20-May	2-Jun	22-May	3-Jun	31-May	583	
Beautybush	full bloom	17-Jun	19-May	31-May	27-May	3-Jun	31-May	592	
Common Ninebark	full bloom	15-Jun	21-May	1-Jun	26-May	4-Jun	1-Jun	596	
Chinese Dogwood	first bloom	15-Jun	23-May	30-May	28-May	4-Jun	1-Jun	593	
Smokebush	full bloom	17-Jun	22-May	1-Jun	28-May	5-Jun	2-Jun	611	
Japanese Tree Lilac	first bloom	21-Jun	23-May	31-May	27-May	3-Jun	2-Jun	622	
Arrowwood Viburnum	full bloom	17-Jun	24-May	2-Jun	30-May	4-Jun	3-Jun	621	
Washington Hawthorn	first bloom	20-Jun	26-May	2-Jun	30-May	2-Jun	3-Jun	635	
Bumald Spirea	first bloom	14-Jun	27-May	2-Jun	31-May	5-Jun	3-Jun	624	
American Holly	full bloom	19-Jun	26-May	2-Jun	3-Jun	31-May	4-Jun	642	
Multiflora Rose	full bloom	18-Jun	24-May	2-Jun	2-Jun	8-Jun	4-Jun	643	
Greater Peach Tree Borer	adult emergence	NA	12-Jun	2-Jun	1-Jun	5-Jun	5-Jun	702	
Fuzzy Deutzia	first bloom	NA	7-Jun	8-Jun	2-Jun	6-Jun	6-Jun	727	
Calico Scale	egg hatch	NA	30-May	8-Jun	4-Jun	14-Jun	6-Jun	748	
Northern Catalpa	first bloom	22-Jun	28-May	2-Jun	1-Jun	9-Jun	6-Jun	675	
European Fruit Lecanium Scale	egg hatch	NA	1-Jun	8-Jun	8-Jun	14-Jun	7-Jun	767	
Sweet Mockorange	full bloom	24-Jun	29-May	7-Jun	1-Jun	11-Jun	8-Jun	717	
Striped Pine Scale	egg hatch	NA	4-Jun	10-Jun	6-Jun	14-Jun	8-Jun	783	
American Elder	first bloom	22-Jun	28-May	7-Jun	5-Jun	10-Jun	8-Jun	707	
Red Prince Weigela	full bloom	20-Jun	25-May	13-Jun	6-Jun	11-Jun	8-Jun	727	
Washington Hawthorn	full bloom	24-Jun	31-May	8-Jun	3-Jun	9-Jun	9-Jun	731	
Winterberry Holly	first bloom	NA	3-Jun	10-Jun	9-Jun	14-Jun	9-Jun	794	
Rhododendron Borer	adult emergence	NA	6-Jun	8-Jun	11-Jun	17-Jun	10-Jun	815	
Dogwood Borer	adult emergence	NA	31-May	9-Jun	6-Jun	28-Jun	10-Jun	830	
Oakleaf Hydrangea	first bloom	NA	9-Jun	11-Jun	10-Jun	17-Jun	12-Jun	835	

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		1997	1998	1999	2000	2001	Date	DD50	
Cottony Maple Scale	egg hatch	NA	14-Jun	12-Jun	8-Jun	17-Jun	12-Jun	851	_____
Panicle Hydrangea	first bloom	NA	NA	12-Jun	11-Jun	16-Jun	13-Jun	856	_____
Japanese Tree Lilac	full bloom	28-Jun	4-Jun	10-Jun	9-Jun	14-Jun	13-Jun	808	_____
Mimosa Webworm	egg hatch -								
	1st generation	NA	12-Jun	10-Jun	16-Jun	16-Jun	13-Jun	874	_____
Northern Catalpa	full bloom	25-Jun	6-Jun	9-Jun	11-Jun	17-Jun	13-Jun	816	_____
Winged Euonymus Scale	egg hatch	NA	12-Jun	13-Jun	12-Jun	20-Jun	14-Jun	892	_____
Fuzzy Deutzia	full bloom	NA	13-Jun	16-Jun	14-Jun	14-Jun	14-Jun	884	_____
Mountain-laurel	full bloom	25-Jun	8-Jun	12-Jun	10-Jun	15-Jun	14-Jun	822	_____
Winterberry Holly	full bloom	NA	13-Jun	13-Jun	14-Jun	18-Jun	14-Jun	897	_____
Southern Catalpa	first bloom	NA	14-Jun	13-Jun	15-Jun	19-Jun	15-Jun	913	_____
Fall Webworm	egg hatch	24-Jun	12-Jun	19-Jun	13-Jun	16-Jun	16-Jun	867	_____
Spruce Budscale	egg hatch	30-Jun	12-Jun	12-Jun	12-Jun	21-Jun	17-Jun	894	_____
Azalea Bark Scale	egg hatch	NA	17-Jun	19-Jun	16-Jun	20-Jun	18-Jun	957	_____
Greenspire Littleleaf									
Linden	first bloom	30-Jun	12-Jun	11-Jun	20-Jun	16-Jun	18-Jun	899	_____
June Bride Littleleaf									
Linden	first bloom	NA	NA	20-Jun	17-Jun	18-Jun	18-Jun	953	_____
Bumald Spirea	full bloom	2-Jul	19-Jun	11-Jun	11-Jun	20-Jun	18-Jun	917	_____
American Elder	full bloom	28-Jun	12-Jun	17-Jun	16-Jun	19-Jun	18-Jun	909	_____
Panicled Goldenraintree	first bloom	7-Jul	15-Jun	12-Jun	14-Jun	17-Jun	19-Jun	924	_____
Japanese Beetle	adult emergence	2-Jul	17-Jun	19-Jun	19-Jun	21-Jun	21-Jun	970	_____
Southern Catalpa	full bloom	NA	23-Jun	21-Jun	23-Jun	28-Jun	23-Jun	1073	_____
Rosebay Rhododendron	first bloom	7-Jul	17-Jun	26-Jun	16-Jun	22-Jun	24-Jun	1010	_____
Greenspire Littleleaf									
Linden	full bloom	6-Jul	23-Jun	16-Jun	27-Jun	22-Jun	24-Jun	1047	_____
June Bride Littleleaf									
Linden	full bloom	NA	NA	26-Jun	25-Jun	28-Jun	26-Jun	1115	_____
Bottlebrush Buckeye	first bloom	NA	23-Jun	27-Jun	29-Jun	1-Jul	27-Jun	1158	_____
Ural Falsespirea	first bloom	NA	NA	2-Jul	26-Jun	28-Jun	28-Jun	1170	_____
Panicled Goldenraintree	full bloom	28-Jul	23-Jun	27-Jun	1-Jul	7-Jul	5-Jul	1251	_____
Pine Needle Scale	egg hatch -								
	2nd generation	NA	30-Jun	5-Jul	7-Jul	15-Jul	6-Jul	1349	_____
Rose-of-Sharon	first bloom	NA	NA	2-Jul	11-Jul	12-Jul	8-Jul	1347	_____
Euonymus Scale	egg hatch -								
	2nd generation	NA	30-Jul	23-Jul	25-Jul	26-Jul	26-Jul	1923	_____
Magnolia Scale	egg hatch	3-Aug	7-Aug	2-Aug	8-Aug	3-Aug	4-Aug	1938	_____
Banded Ash Clearwing Borer	adult emergence	NA	NA	13-Aug	17-Aug	13-Aug	14-Aug	2195	_____