



**UMASS Extension Landscape, Nursery and Urban Forestry IPM Tools**  
Monitoring and management checklists

[http://www.umassgreeninfo.org/fact\\_sheets/ipmtools/checklists\\_overview.html](http://www.umassgreeninfo.org/fact_sheets/ipmtools/checklists_overview.html)

**1 - 49 GROWING DEGREE DAYS**

March-Early April

**BEGIN BLOOM**

Acer rubrum (red maple)  
Forsythia spp.  
Magnolia stellata (star magnolia)  
Pieris japonica (Japanese andromeda)  
Rhododendron mucronulatum (Korean rhododendron)  
Rhododendron 'PJM'

**FULL BLOOM**

Acer rubrum  
Magnolia stellata  
Taxus spp. (yew)

**END BLOOM**

Hammamelis x intermedia (witch hazel)  
Magnolia stellata

**50 - 99 GROWING DEGREE DAYS**

Late March- Late April

**BEGIN BLOOM**

Acer platanoides (norway maple)  
Amelanchier spp. (shadbush, serviceberry)  
Magnolia soulangiana (saucer magnolia)  
Pieris floribunda (mountain pieris)  
Prunus serrulata (Japanese flowering cherry)  
Pyrus calleryana (callery pear)

**FULL BLOOM**

Acer saccharum (sugar maple)  
Forsythia spp.  
Fraxinus americana (white ash)  
Pieris japonica (Japanese pieris)  
Rhododendron mucronulatum (Korean rhododendron)  
Rhododendron 'P.J.M.'

**END BLOOM**

Acer rubrum (red maple)  
Rhododendron mucronulatum (Korean rhododendron)  
Magnolia stellata (star magnolia)

**100 - 149 GROWING DEGREE DAYS**

Late April-Early May

**BEGIN BLOOM**

Cornus florida (flowering dogwood)  
Cytissus scoparius (Scotch broom)  
Malus spp (crabapple)  
Rhododendron carolinianum (Carolina rhododendron)  
Spiraea prunifolia (bridalwreath spirea)

**FULL BLOOM**

Amelanchier spp. (shadbush)  
Cercis canadensis (redbud)  
Halesia spp. (silverbell)  
Malus spp. (crabapple)  
Prunus serrulata

**END BLOOM**

Acer platanoides (Norway maple)  
Magnolia soulangiana (saucer magnolia)  
Mahonia aquifolium (grape holly)  
Taxus spp. (yew)

**150 - 199 GROWING DEGREE DAYS**

May

**BEGIN BLOOM**

Aesculus hippocastanum (horsechestnut)  
Crataegus spp. (hawthorn)  
Spiraea x vanhouttei (Van Houtte spirea)  
Syringa vulgaris (common lilac)

**FULL BLOOM**

Cornus florida (flowering dogwood)  
Cytissus scoparius (Scotch broom)  
Prunus x cistena (purpleleaf sand cherry)  
Prunus maritima (beach plum)  
Spiraea prunifolia (bridalwreath spirea)

**END BLOOM**

Forsythia spp. (golden bells)  
Prunus subhirtella (Higan cherry)  
Rhododendron carolinianum (Carolina rhododendron)  
Rhododendron 'PJM'

## **200 - 249 GROWING DEGREE DAYS**

May

### **BEGIN BLOOM**

Deutzia scabra  
Enkianthus campanulatus  
Leucothoe spp.  
Syringa meyeri

### **FULL BLOOM**

Aesculus hippocastanum (horsechestnut)  
Crataegus spp. (hawthorn)  
Spiraea x vanhouttei (Van Houtte spirea)  
Syringa vulgaris (common lilac)

### **END BLOOM**

Malus spp.  
Pieris japonica  
Prunus serrulata  
Pyrus calleryana (Bradford pear)

## **249 -299 GROWING DEGREE DAYS**

May-June

### **BEGIN BLOOM**

Cotoneaster horizontalis  
Kolkwitzia amabilis (beautybush)  
Rhododendron catawbiense  
Robinia pseudoacacia (black locust)

### **FULL BLOOM**

Crataegus spp. (hawthorn)  
Deutzia scabra  
Enkianthus campanulatus  
Spiraea x vanhouttei (Van Houtte spirea)  
Syringa vulgaris (common lilac)

### **END BLOOM**

Malus spp.  
Prunus serrulata

## **300 -399 GROWING DEGREE DAYS**

Late May-June

### **BEGIN BLOOM**

Cornus kousa (Korean dogwood)  
Hydrangea macrophylla (bigleaf hydrangea)  
Ilex opaca (American holly)

FULL BLOOM

Chionanthus virginicus (fringe tree)  
Cotoneaster horizontalis  
Wiegela florida

END BLOOM

Aesculus hippocastanum (horsechestnut)  
Cornus florida (flowering dogwood)  
Crataegus spp. (hawthorn)  
Cytissus scoparius (Scotch broom)  
Enkianthus campanulata  
Syringa vulgaris (common lilac)

**400 - 499 GROWING DEGREE DAYS**

June

BEGIN BLOOM

Cornus sericea (red osier dogwood)  
Kalmia latifolia (mountain laurel)  
Syringa reticulata (Japanese tree lilac)

FULL BLOOM

Cladrastis lutea (yellowwood)  
Laburnum spp. (golden chain tree)  
Philadelphus spp. (mock orange)  
Rosa multiflora

END BLOOM

Deutzia scabra  
Robinia pseudoacacia (black locust)

**500 - 599 GROWING DEGREE DAYS**

June

BEGIN BLOOM

Catalpa speciosa  
Cornus racemosa (gray dogwood)  
Hypericum patulum (goldencup)  
Rosa multiflora

FULL BLOOM

Cornus kousa  
Cornus sericea (red osier dogwood)  
Euonymus fortunei  
Kalmia latifolia (mountain laurel)

END BLOOM

Chionanthus virginicus (fringe tree)  
Cladrastis lutea (yellowwood)  
Cotoneaster horizontalis

Laburnum spp. (golden chain tree)

**600 - 699 GROWING DEGREE DAYS**

June

**BEGIN BLOOM**

Ligustrum spp. (privet)  
Sambucus canadensis (elderberry)  
Cotinus coggygria (smokebush)

**FULL BLOOM**

Catalpa speciosa  
Hydrangea macrophylla  
Syringa reticulata (Japanese. tree lilac)  
Kalmia latifolia (mountain laurel)

**END BLOOM**

Chionanthus virginicus (fringetree)  
Philadelphus sp. (mock orange)  
Rhus radicans (poison ivy)  
Rosa multiflora

**700 - 799 GROWING DEGREE DAYS**

Late June

**BEGIN BLOOM**

Clematis spp.  
Lythrum salicaria (loosestrife)  
Cotinus coggygria (smokebush)

**FULL BLOOM**

Cornus racemosa (grey dogwood)  
Hypericum patulum  
Ligustrum spp. (privet)

**END BLOOM**

Cornus kousa  
Kalmia latifolia (mountain laurel)  
Philadelphus spp.(mock orange)

**800 - 999 GROWING DEGREE DAYS**

Late June - Early July

**BEGIN BLOOM**

Koeleruteria paniculata (goldenraintree)  
Rhus typhina (sumac)

**FULL BLOOM**

Lythrum salicaria (loosestrife)  
Sambucus canadensis (elderberry)

END BLOOM

Ligustrum spp. (privet)  
Syringa reticulata (Japanese tree lilac)  
Weigela florida

**1000 - 1199 GROWING DEGREE DAYS**

July

BEGIN BLOOM

Buddleia davidii (butterfly-bush)  
Campsis radicans (trumpet creeper)  
Oxydendron arboreum (sourwood)

FULL BLOOM

Albizia julibrissin (mimosa)  
Koelreuteria paniculata (golden rain tree)  
Rhus typhina (sumac)

END BLOOM

Sambucus canadensis (elderberry)  
Cornus kousa (Korean dogwood)

**1200 - 1399 GROWING DEGREE DAYS**

July

BEGIN BLOOM

Clethra alnifolia (sweet pepperbush)  
Hibiscus syriacus (rose-of-Sharon)  
Vitex agnus-castus (chaste tree)

FULL BLOOM

Buddleia davidii (butterflybush)  
Hibiscus moscheutos  
Oxydendron arboreum (sourwood)

END BLOOM

Cornus racemosa (gray dogwood)  
Koelreuteria paniculata (goldenraintree)  
Rhus typhina (sumac)

**1400 - 1699 GROWING DEGREE DAYS**

Late July-Early August

BEGIN BLOOM

Ailanthus altissima (seed color)

FULL BLOOM

Clethra alnifolia (sweet pepperbush)  
Hibiscus syriacus (rose-of-Sharon)

Vitex agnus-castus (chaste tree)

END BLOOM

Hypericum patulum (goldencup)

**1700 - 1999 GROWING DEGREE DAYS**

August

BEGIN BLOOM

Hydrangea paniculata

Clematis paniculata

Euonymus alata

FULL BLOOM

Ailanthus altissima (seed color)

END BLOOM

Clethra alnifolia (sweet pepperbush)

Hydrangea macrophylla

Vitex agnus-castus (chaste tree)

**2000 - 2399 GROWING DEGREE DAYS**

August - September

BEGIN BLOOM

FULL BLOOM

Franklinia alatamaha (Franklinia)

Heptacodium micinioides (seventh son flower)

END BLOOM

Clematis paniculata (sweet autumn clematis)

Polygonum cuspidatum (Japanese knotweed)

**2400 - 2999 GROWING DEGREE DAYS**

September-October

BEGIN BLOOM

FULL BLOOM

END BLOOM

Franklinia alatamaha (Franklinia)

Heptacodium micinioides (seventh son flower)