

Japanese Maple Scale

Woody Ornamental Host Plants

Introduction

Japanese maple scale (JMS), (*Lopholeucaspis japonica* Cockerell) (Hemiptera: Diaspididae), is a prolific pest of major concern to nursery crop producers and landscape managers in MD and the eastern United States. JMS is difficult to monitor and manage due to its small size, extended crawler emergence periods, and wide host plant range. The purpose of this fact sheet is to provide practitioners with host plant information that will help to improve and focus their monitoring efforts. All plants listed in this fact sheet are verified as hosts of Japanese maple scale from published literature or direct observations by the authors. This list should not be considered all inclusive. Due to the generalist feeding habits of JMS there are likely many more hosts we have yet to identify. Little is known about JMS preference for plant cultivars so only host plant genera, species, and hybrids are listed. For additional information on JMS biology and management see the IPM for Commercial Horticulture fact sheet on JMS at:

<https://www.extension.umd.edu/sites/default/files/docs/programs/ipmnet/JapaneseMapleScale-UMD.pdf>

Species	Common Name
FAMILY: Aquifoliaceae	
<i>Ilex opaca</i>	American holly
<i>Ilex verticullata</i>	winterberry
<i>Ilex</i> x (various cvs)	hybrid holly
<i>Ilex</i> x <i>aquipernyi</i>	Aquipernyi hybrid holly
<i>Ilex</i> x <i>koehneana</i>	Koehne hybrid holly
<i>Ilex</i> x <i>merservea</i>	Merserve hybrid holly
FAMILY: Betulaceae	
<i>Alnus</i> spp.	alder
<i>Betula</i> spp.	birch
<i>Carpinus betulus</i>	European hornbeam
<i>Carpinus caroliniana</i>	American hornbeam
FAMILY: Celastraceae	
<i>Celastrus</i> spp.	bittersweet
<i>Euonymus alatus</i>	winged euonymus
FAMILY: Cistaceae	
<i>Citrus laurifolius</i>	laurel rock rose
FAMILY: Cornaceae	
<i>Cornus florida</i>	flowering dogwood
<i>Cornus controversa</i>	giant dogwood
<i>Cornus kousa</i>	kousa dogwood

Species	Common Name
FAMILY: Cornaceae	
<i>Cornus mas</i>	corneliancherry dogwood
<i>Cornus</i> x (various cvs)	hybrid dogwood
FAMILY: Ebanaceae	
<i>Diospyros virginiana</i>	common persimmon
<i>Diospyros kaki</i>	Japanese persimmon
FAMILY: Ericaceae	
<i>Enkianthus</i> spp.	enkianthus
FAMILY: Fabaceae	
<i>Cercis canadensis</i>	Eastern redbud
<i>Cladrastis kentukea</i>	yellowwood
<i>Cytisus</i> spp.	common broom
<i>Gleditsia tricanthos</i>	honeylocust
<i>Sophora japonica</i>	Japanese pagodatree
<i>Wisteria</i> spp.	wisteria
FAMILY: Fagaceae	
<i>Castanea mollissima</i>	Chinese chestnut
FAMILY: Hamamelidaceae	
<i>Liquidambar styraciflua</i>	sweetgum
<i>Parrotia persica</i>	Persian parrotia

Species	Common Name
FAMILY: Hydrangeaceae	
<i>Hydrangea paniculatum</i>	panicle hydrangea
FAMILY: Lauraceae	
<i>Laurus nobilis</i>	bay laurel
FAMILY: Magnoliaceae	
<i>Magnolia stellata</i>	star magnolia
<i>Magnolia virginiana</i>	sweetbay magnolia
<i>Magnolia x loebneri</i>	Loebner hybrid magnolia
FAMILY: Menyanthaceae	
<i>Menyanthes trifoliata</i>	bogbean
FAMILY: Moraceae	
<i>Ficus spp.</i>	fig
FAMILY: Oleaceae	
<i>Fraxinus spp.</i>	ash
<i>Ligustrum spp.</i>	privet
<i>Syringa reticulata</i>	Japanese tree lilac
<i>Syringa vulgaris</i>	common lilac
FAMILY: Rhamnaceae	
<i>Ziziphus jujube</i>	Chinese date
FAMILY: Rosaceae	
<i>Amelanchier spp.</i>	serviceberry
<i>Amelanchier x grandiflora</i>	apple serviceberry
<i>Cotoneaster spp.</i>	cotoneaster
<i>Crataegus laevigata</i>	English hawthorn
<i>Crataegus viridis</i>	Washington hawthorn
<i>Cydonia oblonga</i>	quince tree
<i>Malus x (various cvs)</i>	hybrid crabapple
<i>Malus floribunda</i>	Japanese crabapple
<i>Malus sargentii</i>	sargent crabapple
<i>Malus x zumi</i>	redbud crabapple
<i>Malus domestica</i>	orchard apple
<i>Prunus cerasifera</i>	cherry plum
<i>Prunus serrulata</i>	Japanese flowering cherry
<i>Prunus subhirtella</i>	higan cherry
<i>Prunus x incamp 'Okame'</i>	Okame cherry

Species	Common Name
FAMILY: Rosaceae	
<i>Prunus x yedoensis</i>	yoshino cherry
<i>Pyracantha coccinea</i>	firethorn
<i>Pyrus calleryana</i>	callery pear
<i>Pyrus pyrifolia</i>	Asian pear
<i>Rosa 'Radcon'</i>	Pink Knock Out® Rose
FAMILY: Rutaceae	
<i>Poncirus trifoliata</i>	hardy-orange
<i>Tetradium daniellii</i>	Korean evodia
FAMILY: Salicaceae	
<i>Populus spp.</i>	poplar
<i>Salix alba</i>	white willow
FAMILY: Sapindaceae (formerly Aceraceae)	
<i>Acer campestre</i>	hedge maple
<i>Acer griseum</i>	paperbark maple
<i>Acer palmatum</i>	Japanese maple
<i>Acer pensylvanicum</i>	striped maple
<i>Acer rubrum</i>	red maple
<i>Acer saccharum</i>	sugar maple
<i>Acer x freemanii</i>	freeman maple
FAMILY: Paulowniaceae	
<i>Paulownia tomentosa</i>	empress tree
FAMILY: Styryacaceae	
<i>Styrax japonicus</i>	Japanese snowbell
<i>Styrax obassia</i>	fragrant snowbell
FAMILY: Theaceae	
<i>Camellia spp.</i>	camellia
<i>Stewartia koreana</i>	Korean stewartia
<i>Stewartia pseudocamellia</i>	Japanese stewartia
FAMILY: Tiliaceae	
<i>Tilia spp.</i>	linden
FAMILY: Ulmaceae	
<i>Ulmus americana</i>	American elm
<i>Ulmus parvifolia</i>	lacebark elm
<i>Zelkova serrata</i>	zelkova

NOTE: spp. = more than one species in the genus is a host plant of JMS

Reference: John Davidson and Douglass Miller. *Armored Scale Insect Pests of Trees and Shrubs (Hemiptera: Diaspididae)*. Ithaca: Cornell University Press, 2005. Print

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