

Desired pH Ranges and Salt Tolerance of Common Nursery Plants,

Annuals, Perennials, Vegetables and Turf Grasses

(Revised 9-9-10)

*An asterisk beside the pH indicates the ability to tolerate a higher or lower pH depending on the side it appears on.

Scientific Name	Common Plant Name	Desired pH	Salt Tolerance
<i>Abelia x grandiflora</i>	Abelia	6.0 - 7.0	Medium
<i>Abies</i> spp.	Fir, all types	4.5 - 7.0	Medium
<i>Acer ginnala</i>	Amur maple	5.5 - 6.5	
<i>Acer negundo</i>	Boxelder	6.0 - 7.0	
<i>Acer palmatum</i>	Maple, Japanese	5.0 - 7.0	?
<i>Acer platanoides</i>	Maple, Norway	6.0 - 7.0*	Medium
<i>Acer rubrum</i>	Maple, Red	*6.0 - 7.0	Low - Med
<i>Acer saccharinum</i>	Maple, Silver	5.0 - 7.0*	Medium
<i>Acer saccharum</i>	Maple, Sugar	*6.0 - 7.0	Low
<i>Aesculus glabra</i>	Buckeye, Ohio	6.0 - 7.0	
<i>Aesculus hippocastanum</i>	Horsechestnut	6.0 - 8.0	Med - High
<i>Aesculus paviflora</i>	Bottlebush Buckeye	6.0 - 8.0	
<i>Ajuga reptans</i>	Bugleweed	6.5 - 7.5	
<i>Albizia julibrissin</i>	Mimosa	5.5 - 6.5	High
<i>Alnus glutinosa</i>	Alder, European Black	4.0 - 7.0	
<i>Alnus rugosa</i>	Alder	6.0 - 8.0	
<i>Amelanchier</i> spp.	Serviceberry/Sarvis	5.0 - 6.0	?
<i>Aralia spinosa</i>	Devils Walking Stick	6.0 - 7.0	
<i>Aristolochia durior</i>	Dutchman's Pipe	6.0 - 8.0	
<i>Aronia arbutifolia</i>	Chokeberry	5.0 - 6.0	
<i>Aronia melanocarpa</i>	Chokeberry	5.0 - 6.0	
<i>Asimina triloba</i>	Paw Paw	6.0 - 7.5	
<i>Baccharis halimifolia</i>	Baccharis	7.0 - 8.0	
<i>Berberis julianae</i>	Barberry, Wintergreen	6.0 - 7.5	
<i>Berberis thunbergii</i>	Barberry	6.0 - 7.5	Low
<i>Betula alba</i>	Birch, White	5.5 - 6.5	
<i>Betula aleghaniensis</i>	Birch, Yellow	5.0 - 7.0	
<i>Betula lenta</i>	Birch, Black	5.0 - 6.0	
<i>Betula nigra</i>	Birch, River	4.5 - 6.0	
<i>Betula pendula</i>	Birch, Weeping	5.5 - 7.0	
<i>Betula</i> spp.	Birch	*5.0 - 6.0	Low-Medium
<i>Buddleia davidii</i>	Butterfly Bush	6.0 - 7.5	?

<i>Buxus sempervirens</i>	Boxwood	6.0 - 7.5*	Medium
<i>Callicarpa americana</i>	American beauty berry	6.0 - 8.0	
<i>Callistemon macropunctatus</i>	Callistemon	6.0 - 7.5	
<i>Calluna vulgaris</i>	Skotch broom	4.5 - 6.0	
<i>Calycanthus floridus</i>	Sweetshrub	6.0 - 7.0	
<i>Camellia</i> spp.	Camellia	4.5 - 5.5	
<i>Campsis grandiflora</i>	Trumpet Vine	6.0 - 7.0	
<i>Carpinus caroliniana</i>	Hornbeam, American	6.0 - 7.0	Low
<i>Carpinus caroliniana</i>	Ironwood	6.0 - 7.0	Low
<i>Carya illinoensis</i>	Pecan	4.5 - 7.5	
<i>Carya</i> spp.	Hickory	4.5 - 5.5	
<i>Castanea dentata</i>	Chestnut, American	5.0 - 6.0	
<i>Castanea pumila</i>	Chinquapin	5.0 - 6.5	
<i>Catalpa bignonioides</i>	Catalpa, Southern	6.0 - 8.0	
<i>Ceanothus americanus</i>	Buttonbush	4.5 - 6.0	
<i>Celastrus scandens</i>	Bittersweet	5.0 - 6.0	
<i>Celtis laevigata</i>	Sugar Hackberry	7.0 - 8.0	
<i>Celtis occidentalis</i>	Hackberry	5.0 - 7.5	
<i>Cephalanthus occidentalis</i>	Buttonbush	6.0 - 7.5	
<i>Cercis canadensis</i>	Redbud	*5.5 - 6.5*	Low-Med
<i>Chaenomeles lagenaria</i>	Quince, Flowering	6.0 - 7.5	
<i>Chaenomeles speciosa</i>	Quince, Flowering	6.0 - 7.5	High
<i>Chamaecyparis obtusa</i>	Hinoki Falsecypress	5.5 - 6.0	
<i>Chamaecyparis pisifera</i>	Mophead cypress	6.0 - 7.0	
<i>Chamaecyparis thyoides</i>	Cedar, Atlantic White	3.5 - 5.5	
<i>Chionanthus virginicus</i>	Fringetree, White	5.0 - 6.0	
<i>Cladrastis lutea</i>	Yellowwood	*5.0 - 6.5	?
<i>Clethra alnifolia</i>	Clethra	4.5 - 5.0	
<i>Cleyera japonica</i>	Cleyera	5.0 - 6.5	
<i>Cornus florida</i>	Dogwood	*5.0 - 6.5	Low
<i>Cornus mas</i>	Cornelian Cherry	6.5 - 7.0	
<i>Cornus sericea</i> 'Flaviramea'	Dogwood, Golden Twig	6.0 - 7.0	
<i>Corylus</i> spp.	Filbert, Hazelnut	5.5 - 6.5	
<i>Cotinus obovatus</i>	American Smoke Tree	6.0 - 8.0	
<i>Cotoneaster</i> spp.	Cotoneaster	6.0 - 7.0	High
<i>Crataegus</i> spp.	Hawthorn	6.0 - 7.0	Medium
<i>x Cupressocyparis leylandii</i>	Leyland Cypress	6.0 - 7.5	
<i>Cyrilla racemiflora</i>	Cyrilla	6.0 - 8.0	
<i>Daphne</i> spp.	Daphne	6.0 - 7.0	
<i>Deutzia gracilis</i>	Deutzia	6.0 - 7.0*	Low-Medium
<i>Diospyros virginiana</i>	Persimmon	4.5 - 7.0	
<i>Elaeagnus</i> spp.	Elaeagnus	6.0 - 8.0	
<i>Enkianthus campanulatus</i>	Enkianthus, Redvein	6.0 - 7.0	
<i>Eucalyptus</i> spp.	Eucalyptus	6.0 - 8.0	
<i>Euonymus alatus</i>	Euonymus, Burning Bush	*6.0 - 7.0	Low

<i>Euonymus fortunei</i>	Euonymus, Creeping	*6.0 - 7.0	Med - High
<i>Exochorda racemosa</i>	Pearl bush	5.5 - 6.0	
<i>Fagus grandifolia</i>	Beech, American	5.5 - 6.5	
<i>Fagus sylvatica</i>	Beech, European	*5.5 - 7.5	Low-medium
<i>Forsythia x intermedia</i>	Forsythia	6.0 - 7.0	High
<i>Fothergilla gardenii</i>	Fothergilla	5.0 - 6.5	
<i>Franklinia alatamaha</i>	Franklin Tree	4.0 - 6.0	
<i>Fraxinus americana</i>	Ash, White	6.5 - 7.5	
<i>Fraxinus americana</i>	White Ash	4.5 - 7.5	
<i>Fraxinus pennsylvanica</i>	Ash, Green	*6.0 - 7.0*	Medium
<i>Gardenia jasminoides</i>	Gardenia, Cape-Jasmine	4.5 - 6.0	
<i>Gardenia radicans</i>	Gardenia, Creeping	5.0 - 6.0	Medium
<i>Gelsemium sempervirens</i>	Gelsemium	5.0 - 6.0	
<i>Ginkgo biloba</i>	Ginkgo	6.0 - 7.0	High
<i>Gleditsia triacanthos</i>	Honeylocust	5.5 - 7.0*	Med - High
<i>Gymnocladus dioicus</i>	Kentucky Coffeetree	6.0 - 8.0	
<i>Halesia caroliniana</i>	Carolina Silverbell	5.5 - 6.5	
<i>Hammamelis vernalis</i>	Witch Hazel	6.0 - 7.0	
<i>Hammamelis virginiana</i>	Witch Hazel	6.0 - 7.0	
<i>Hedera helix</i>	Ivy, English	6.0 - 7.0	Med - High
<i>Hibiscus syriacus</i>	Althea (Rose-of-Sharon)	6.0 - 7.5	High
<i>Hibiscus syriacus</i>	Althea, Rose-of-Sharon	6.0 - 7.5	
<i>Hydrangea arborescens</i>	Hydrangea	6.0 - 8.0	
<i>Hydrangea macrophylla</i>	Hydrangea (for blue flower)	4.5 - 5.5	Medium
<i>Hydrangea macrophylla</i>	Hydrangea (for pink flower)	6.0 - 7.0	Medium
<i>Hydrangea paniculata</i> 'Grandiflora'	Hydrangea, PeeGee	6.0 - 7.0	
<i>Hydrangea quercifolia</i>	Hydrangea, oak leaf	5.5 - 6.0	
<i>Hypericum prolificum</i>	St. Johnswort	6.0 - 7.0	
<i>Ilex aquifolium</i>	Holly, English	5.5 - 6.0	
<i>Ilex attenuata</i> 'Fosteri'	Holly, Foster #2	5.5 - 6.0	
<i>Ilex crenata</i> & varieties	Holly, Japanese	5.0 - 6.5	Med - High
<i>Ilex glabra</i>	Inkberry	5.5 - 6.0	
<i>Ilex opaca</i>	Holly, American	4.0 - 6.0	Medium
<i>Ilex verticillata</i>	Winterberry holly	5.0 - 6.0	
<i>Itea virginica</i>	Itea	5.5 - 7.0	
<i>Jasminum nudiflorum</i>	Winter Jasmine	6.0 - 7.0	
<i>Juglans nigra</i>	Walnut, Black	5.0 - 7.5	
<i>Juglans</i> spp.	Walnut	6.0 - 7.0	Low
<i>Juniperus horizontalis</i>	Juniper, Creeping	5.5 - 6.5	Medium
<i>Juniperus</i> spp.	Juniper	5.5 - 7.0	Med - High
<i>Juniperus virginiana</i>	Cedar, Eastern Red	5.0 - 7.0*	Medium
<i>Kalmia latifolia</i>	Laurel, Mountain	4.5 - 6.5	
<i>Kerria japonica</i>	Kerria	5.5 - 7.5	
<i>Koelreuteria paniculata</i>	Golden Raintree	5.5 - 7.0	

<i>Kolkwitzia amabilis</i>	Beautybush	6.0 - 7.0	
<i>Laburnum x wateri</i>	Goldenchain Tree	6.5 - 7.5	
<i>Lagerstroemia indica</i>	Crapemyrtle	5.0 - 6.0	Medium
<i>Larix decidua</i>	Larch, European	5.5 - 6.5*	Low
<i>Leucothoe fontanesiana</i>	Leucothoe	5.0 - 6.0	Low
<i>Ligustrum lucidum</i>	Privet, Glossy	6.0 - 7.0	Med - High
<i>Ligustrum vulgare</i>	Privet, Common	6.0 - 7.0	Med - High
<i>Lindera benzoin</i>	Spicebush	5.0 - 6.0	
<i>Liquidambar styraciflua</i>	Sweet Gum	*6.0 - 7.0	High
<i>Liriodendron tulipifera</i>	Tulip Poplar	*6.0 - 7.0	Medium
<i>Lonicera spp.</i>	Honeysuckle	6.0 - 7.0	Med - High
<i>Maclura pomifera</i>	Osage Orange	6.0 - 7.5	
<i>Magnolia acuminata</i>	Magnolia, Cucumber tree	5.0 - 6.0	
<i>Magnolia grandiflora</i>	Magnolia, Southern	5.0 - 6.0	Low
<i>Magnolia loebner 'Merrill'</i>	Merill magnolia	6.0 - 7.0	
<i>Magnolia stellata</i>	Magnolia, Star	5.0 - 6.0	
<i>Magnolia virginiana</i>	Sweetbay	4.0 - 5.0	
<i>Magnolia x Soulangeana</i>	Magnolia, Deciduous	*5.0 - 6.0*	
<i>Mahonia aquifolium</i>	Holly-grape	5.5 - 6.0*	Medium
<i>Malus prunifolia</i>	Crabapple, Prum-leaved	6.0 - 7.0	Medium
<i>Malus pumila</i>	Apple, Common	6.0 - 7.0	Medium
<i>Malus spp.</i>	Crabapple, Flowering	6.0 - 7.0	
<i>Metasequoia glyptostroboides</i>	Dawn Redwood	6.0 - 7.0	
<i>Morus spp.</i>	Mulberry	6.0 - 7.0*	High
<i>Myrica pennsylvanica</i>	Bayberry	5.0 - 6.0	
<i>Nandina domestica</i>	Nandina	5.5 - 6.5	High
<i>Nyssa aquatica</i>	Water Tupelo	3.5 - 5.5	
<i>Nyssa sylvatica</i>	Black Gum	*6.0 - 7.0	Medium
<i>Ostrya virginiana</i>	Hophornbeam	6.0 - 7.0	
<i>Oxydendrum arboreum</i>	Sourwood	*4.5 - 6.0	
<i>Pachysandra terminalis</i>	Pachysandra	4.5 - 5.5	
<i>Parthenocissus tricuspidata</i>	Ivy, Boston	6.0 - 7.0	
<i>Paulownia tomentosa</i>	Paulownia	6.0 - 7.5	
<i>Philadelphus coronarius</i>	Mockorange	6.0 - 7.0	High
<i>Photinia x fraseri</i>	Photinia	5.5 - 6.5	
<i>Physocarpus opulifolius</i>	Common Ninebark	6.0 - 8.0	
<i>Picea abies</i>	Spruce, Norway	*5.0 - 6.5	Medium
<i>Picea glauca</i>	Spruce, White	5.5 - 6.5	
<i>Picea pungens</i>	Spruce, Colorado	5.5 - 6.5	
<i>Picea rubens</i>	Spruce, Red	4.0 - 5.5	
<i>Pieris floribunda</i>	Andromeda, Mountain	4.5 - 6.0	
<i>Pieris japonica</i>	Andromeda	5.0 - 6.0	Low
<i>Pinus echinata</i>	Pine, Shortleaf	4.5 - 6.0	
<i>Pinus elliotii</i>	Pine, Slash	4.5 - 6.0	
<i>Pinus mugo</i>	Pine, Mugo	5.5 - 7.0	

<i>Pinus palustris</i>	Pine, Longleaf	4.5 - 6.0	
<i>Pinus resinosa</i>	Pine, Red	5.0 - 6.0	
<i>Pinus rigida</i>	Pine, Pitch	3.5 - 6.0	
<i>Pinus</i> spp.	Pine	*5.0 - 6.5	Low
<i>Pinus strobus</i>	Pine, Eastern White	4.5 - 6.0	
<i>Pinus sylvestris</i>	Pine, Scotch	4.5 - 7.0	
<i>Pinus taeda</i>	Pine, Loblolly	4.5 - 6.0	
<i>Pinus virginiana</i>	Pine, Virginia	4.5 - 8.0	
<i>Platanus occidentalis</i>	Sycamore, American	4.5 - 7.5	
<i>Poncirus trifoliata</i>	Trifoliata Orange	6.0 - 8.0	
<i>Populus alba</i> & others	Poplar (White, Grey, Silver)	6.0 - 7.0*	High
<i>Populus deltoids</i>	Cottonwood	5.5 - 7.0	Medium
<i>Populus nigra</i> 'Italica'	Poplar, Lombardy	6.0 - 7.0	Low
<i>Prunus americana</i>	Plum	6.5 - 8.0	
<i>Prunus armeniaca</i>	Apricot	6.0 - 7.0	High
<i>Prunus avium</i>	Cherry	6.5 - 7.5	
<i>Prunus cerasifera</i>	Plum, Purple-leaf Flowering	*6.5 - 7.5	
<i>Prunus glandulosa</i>	Almond, Flowering Dwarf	6.0 - 7.0	
<i>Prunus pennsylvanica</i>	Cherry, Fire	5.0 - 6.0	
<i>Prunus persica</i>	Peach	6.5 - 7.0	
<i>Prunus serotina</i>	Cherry, Black	4.5 - 6.5	
<i>Prunus serrulata</i>	Cherry, Flowering	5.0 - 7.0*	Medium
<i>Prunus triloba</i>	Almond, Flowering	6.0 - 7.0*	Low
<i>Pseudotsuga menziesii</i>	Fir, Douglas	6.0 - 7.0	
<i>Pyracantha coccinea</i>	Firethorn	6.0 - 7.0	Medium
<i>Pyrus calleryana</i>	Callery Pear, Bradford Pear	5.5 - 7.0*	High
<i>Pyrus communis</i>	Pear, Common	6.0 - 7.5	
<i>Quercus alba</i>	Oak, White	5.5 - 6.5*	Med - High
<i>Quercus bicolor</i>	Oak, Swamp white	6.5 - 7.5	
<i>Quercus coccinea</i>	Oak, Scarlet	6.0 - 7.0	High
<i>Quercus falcata</i> var. <i>falcata</i>	Oak, Southern Red	5.0 - 6.0	
<i>Quercus ilicifolia</i>	Oak, Bear	4.0 - 5.0	
<i>Quercus laevis</i>	Oak, Turkey	6.0 - 8.0	
<i>Quercus laurifolia</i>	Oak, Laurel	3.5 - 6.0	
<i>Quercus macrocarpa</i>	Oak, Bur	5.0 - 6.0	
<i>Quercus marilandica</i>	Oak	5.0 - 6.0	
<i>Quercus nigra</i>	Oak, Water	3.5 - 6.5	
<i>Quercus palustris</i>	Oak, Pin	5.0 - 6.5	Med - High
<i>Quercus phellos</i>	Oak, Willow	3.5 - 6.5	
<i>Quercus prinus</i>	Oak, Chestnut	5.0 - 6.0	
<i>Quercus robur</i>	Oak, English	6.0 - 7.5	
<i>Quercus rubra</i>	Oak, Red	*6.0 - 7.0	High
<i>Quercus shumardii</i>	Oak, Shumard	5.5 - 7.0	
<i>Quercus stellata</i>	Oak, Post	5.0 - 6.0	
<i>Quercus velutina</i>	Oak, Black	6.0 - 7.0	

<i>Quercus virginiana</i>	Oak, Live	6.0 - 7.5	
<i>Quercus virginiana</i>	Oak, Live	5.0 - 6.0	
<i>Rhamnus</i> spp.	Buckthorn	6.0 - 8.0	
<i>Rhododendron carolinianum</i>	Rhododendron, Carolina	*4.5 - 5.5 *	
<i>Rhododendron catawbiense</i>	Rhododendron, Mountain	5.0 - 6.0	
<i>Rhododendron maximum</i>	Rhododendron	4.5 - 6.0	
<i>Rhododendron obtusum</i> , cvs.	Azalea	*4.5 - 5.5*	Low
<i>Rhododendron periclymenoides</i>	Rhododendron	4.5 - 5.5	
<i>Rhododendron viscosum</i>	Rhododendron	4.5 - 5.0	
<i>Rhus aromatica</i>	Sumac	6.0 - 7.0	
<i>Rhus copallina</i>	Sumac, Shining	5.0 - 6.5	
<i>Rhus typhina</i>	Sumac	5.0 - 6.0	
<i>Ribes</i> spp.	Currant	6.0 - 7.0	
<i>Robinia pseudoacacia</i>	Locust	*6.0 - 7.0	High
<i>Rosa</i> hybrids	Rose, Tea	5.5 - 7.0	Low - Med
<i>Rosa rugosa</i>	Rose, Rugosa	6.0 - 7.0	High
<i>Rubis occidentalis</i>	Raspberry, black or red	6.0 - 7.0	
<i>Salix alba</i>	Willow, White	5.5 - 7.0	
<i>Salix alba</i> 'Vitellina'	Willow, Golden	*6.0 - 7.0	Medium
<i>Salix babylonica</i>	Willow, Weeping	5.0 - 6.0	
<i>Salix nigra</i>	Willow, Black	4.5 - 7.5	
<i>Salix</i> spp.	Willow	*6.0 - 7.0	High
<i>Sambucus canadensis</i>	American Elder	6.0 - 8.0	
<i>Sassafras albidum</i>	Sassafras	4.5 - 7.0	
<i>Sechora japonica</i>	Chinese Scholar Tree	6.0 - 7.0	
<i>Smilax lanceolata</i>	Greenbriar	5.0 - 6.0	
<i>Sophora japonica</i>	Japanese Pagodatree	6.0 - 8.0	
<i>Sorbus americana</i>	Ash, American Mountain	5.0 - 7.0	
<i>Sorbus aucuparia</i>	Ash, European Mountain	6.0 - 7.0	
<i>Spirea thunbergi</i>	Spirea	6.0 - 7.0	Low
<i>Spirea x vanhouttei</i>	Spirea, Vanhoutte	6.0 - 7.0	
<i>Staphylea trifolia</i>	American Bladdernut	6.0 - 8.0	
<i>Stewartia malacodendron</i>	Stewartia	5.0 - 6.0	
<i>Styrax americana</i>	Styrax	5.0 - 6.0	
<i>Styrax japonicus</i>	Japanese Snowbell	5.5 - 6.5	
<i>Symphoricarpos albus</i>	Japanese Snowberry	6.0 - 7.0	
<i>Syringa vulgaris</i>	Lilac, Persian	6.0 - 7.0*	Medium
<i>Syringa vulgaris</i>	Lilac, Common	6.5 - 7.5	
<i>Syringa x persica</i>	Lilac, Persian	6.0 - 7.5	
<i>Tamarix pentandra</i>	Tamarix	6.0 - 7.0	High
<i>Taxodium distichum</i>	Cypress, Bald	5.0 - 6.5*	Low
<i>Taxus</i> spp.	Yew	6.0 - 7.0	Medium
<i>Thuja occidentalis</i>	Arborvitae	6.0 - 7.0*	Medium
<i>Tilia</i> spp.	Linden	6.0 - 7.5	Low
<i>Tsuga canadensis</i>	Hemlock, Canada	*5.0 - 6.0	Medium

<i>Tsuga caroliniana</i>	Hemlock, Carolina	5.0 - 6.0	
<i>Ulmus americana</i>	Elm, American	6.0 - 7.0	
<i>Ulmus parvifolia</i>	Elm, Chinese	6.0 - 7.0*	High
<i>Vaccinum spp.</i>	Huckleberry	5.0 - 5.5	
<i>Viburnum acerifolium</i>	Viburnum, Maple-leaf	4.5 - 5.5	
<i>Viburnum nudum</i>	Witherrod	5.0 - 6.0	
<i>Viburnum opulus</i>	Cranberrybush Viburnum	6.5 - 7.5	
<i>Viburnum plicatum</i>	Viburnum, Doublefile	6.0 - 7.5	Low
<i>Vinca minor</i>	Vinca	6.0 - 7.5	
<i>Vitex agnus-castus</i>	Vitex (Chaste-Tree)	6.0 - 7.0	Low
<i>Weigela florida</i>	Weigela (Beautybush)	6.0 - 7.0	Medium
<i>Wisteria floribunda</i>	Wisteria, Japanese	6.0 - 7.0*	
<i>Yucca filamentosa</i>	Yucca	5.5 - 7.0	
<i>Zelkova serrata</i>	Zelkova	5.5 - 6.5	

Annuals & Perennials

<i>Aconitum nappelus</i>	Aconite	5.0 - 6.0	
<i>Adonis vernalis</i>	Adonis	6.0 - 8.0	
	Aechmea	5.0 - 5.5	
	African Violet	6.0 - 7.0	
	Ageratum	6.0 - 7.5	
	Aglaonema	5.0 - 6.0	
<i>Aster alpinas</i>	Alpine Aster	5.5 - 7.0	
	Alyssum	6.0 - 7.5	
	Amaryllis	5.5 - 6.5	
<i>Brunnera myosotidiflora</i>	Anchusa	6.0 - 7.5	
<i>Anemone pulsatilla</i>	Anemone	6.0 - 8.0	
	Anthurium	5.0 - 6.0	
	Araucaria	5.0 - 6.0	
	Asparagus Fern	6.0 - 8.0	
	Aspidistra	4.0 - 5.5	
	Aster	6.5 - 7.0	
<i>Aubrieta deltoidea</i>	Aubrieta	6.0 - 7.5	
<i>Geum chiloense</i>	Avens	6.0 - 7.5	
	Baby Tears	5.0 - 5.5	
<i>Gypsophillia paniculata</i>	Baby's Breath	6.0 - 8.0	
	Bachelor's Button	6.0 - 7.5	
<i>Platycodon grandiflorum</i>	Balloon Flower	5.0 - 6.0	
	Balsam	6.0 - 7.5	
	Balsam (Touch-Me-Not)	6.5 - 7.0	
<i>Monarda didyma</i>	Bee Balm	6.0 - 7.5	
	Begonia	5.5 - 7.5	
	Billbergia	5.0 - 6.0	

	Bird of Paradise	6.0 – 6.5
	Bird's Nest Fern	5.0 – 5.5
<i>Rudbeckia hirta</i>	Black-eyed Susan	5.5 – 7.0
<i>Liatris scariosa</i>	Blazing Star	5.0 – 6.0
	Bloodleaf	5.5 – 6.5
<i>Sanguinaria canadensis</i>	Bloodroot	5.0 – 6.5
<i>Asclepias tuberosa</i>	Butterfly Weed	5.0 – 6.5
	Cactus	4.5 – 6.0
	Caladium	6.0 – 7.5
	Caladium	6.0 – 7.0
	Calla Lily	6.0 – 7.0
	Campanula	5.5 – 6.5
	Candytuft	6.5 – 7.0
	Canna	6.0 – 7.0
<i>Campanula medium</i>	Canterbury Bells	6.0 – 7.5
<i>Lobelia cardinalis</i>	Cardinal Flower	5.0 – 6.0
<i>Lobelia cardinalis</i>	Cardinal Flower	5.0 – 6.0
	Carnation	6.0 – 7.5
<i>Dianthus caryophyllus</i>	Carnation	6.0 – 7.5
	Celosia	6.0 – 7.5
	Christmas Cactus	5.0 – 6.5
	Chrysanthemum	6.0 – 8.0
	Cineraria	5.5 – 7.5
	Cissus	5.0 – 6.0
<i>Clematis crispa</i>	Clematis, Curly	5.5 – 6.5
<i>Clematis</i> spp.	Clematis	6.0 – 7.0
<i>Clematis x jackmanii</i>	Clematis, Virgin's Bower	6.0 – 7.0
	Clerodendron	5.0 – 6.0
	Clivia	5.5 – 6.5
	Clover – White	5.5 – 7.0
	Cockscomb	6.0 – 7.5
	Coleus	6.0 – 7.5
<i>Aquilegia caerulea</i>	Colorado Columbine	6.0 – 7.0
	Columnnea	4.5 – 5.5
<i>Centaurea cyanus</i>	Cornflower	6.0 – 7.5
	Cosmos	6.5 – 7.0
	Crassula	5.0 – 6.0
	Creeping Fig	5.0 – 6.0
	Crocus	6.0 – 8.0
	Croton	5.0 – 6.0
	Crown of Thorns	6.0 – 7.5
	Cyclamen	6.0 – 7.0
	Daffodil	6.0 – 7.5

	Dahlia	6.5 – 7.0
	Daphne	6.5 – 7.5
	Day Lily	6.0 – 8.0
<i>Delphinium grandiflorum</i>	Delphinium	6.0 – 7.5
	Dieffenbachia	5.0 – 6.0
	Dracaena	5.0 – 6.0
<i>Iris pumila</i>	Dwarf Iris	5.5 – 6.5
	Easter Lily	6.0 – 7.5
<i>Aquilegia canadensis</i>	Eastern Columbine	5.5 – 7.0
<i>Leontopodium alpinum</i>	Edelweiss	6.5 – 7.5
<i>Primula vulgaris</i>	English Primrose	5.5 – 6.5
	Episcia	6.0 – 7.0
<i>Astilbe x arendsii</i>	False Spirea	6.0 – 7.5
	Ferns	4.5 – 6.5
<i>Festuca ovina</i>	Fescue, Sheep's	4.5 – 6.0
	Fittonia	5.5 – 6.5
	Four-o-Clock	6.0 – 7.5
	Foxglove	6.5 – 7.0
	Freesia	6.0 – 7.5
<i>Dicentra eximia</i>	Fringed Bleeding Heart	5.0 – 6.0
	Fuchsia	5.5 – 6.5
	Gardenia	5.0 – 6.0
	Geranium	6.0 – 8.0
<i>Iris germanica</i>	German Iris	6.5 – 7.5
	Gladiolus	6.5 – 7.0
	Gloxinia	5.5 – 6.5
<i>Aquilegia chrysantha</i>	Golden Columbine	6.0 – 7.0
<i>Alyssum saxatile</i>	Goldentuft	5.5 – 6.5
	Grape Ivy	5.0 – 6.5
<i>Lobelia syphilitica</i>	Great Blue Lobelia	6.0 – 8.0
<i>Lobelia syphilitica</i>	Great Blue Lobelia	6.0 – 8.0
	Grivillea	5.5 – 6.5
	Gynura	5.5 – 6.5
<i>Gypsophillia repens</i>	Gypsopillia	6.0 – 8.0
<i>Helleborus niger</i>	Hellebore	6.0 – 8.0
	Helxine	5.0 – 6.0
<i>Sempervivum tectorum</i>	Hen-and-Chicks	6.0 – 8.0
	Hibiscus	6.0 – 8.0
	Hollyhock	6.0 – 8.0
<i>Viola cornuta</i>	Horned Violet	5.5 – 7.5
	Hoya	5.0 – 6.5
	Hyacinth	6.5 – 7.5
	Hydrangea – Blue	4.0 – 5.0

	Hydrangea – Pink	6.0 – 7.0
	Hydrangea – White	6.0 – 8.0
	Impatiens	5.5 – 6.5
	Iresine	5.0 – 6.5
	Iris	6.5 – 7.0
	Ivy	6.0 – 7.0
Anemone japonica	Japanese Anemone	6.0 – 8.0
Aquilegia flabellate	Japanese Columbine	5.5 – 6.5
Iris kaempferi	Japanese Iris	5.5 – 6.5
	Jerusalem Cherry	5.5 – 6.5
Pueraria lobata	Kudzu	5.5 - 7.0
	Larkspur	6.5 – 7.0
	Lemon plant	6.0 – 7.5
	Lily-of-the-Valley	4.5 – 6.0
	Lobelia	6.0 – 7.5
	Lupine	6.5 – 7.0
	Lupine	6.5 – 7.0
Lupinus polyphyllus	Lupine	6.5 – 7.5
Miscanthus sinensis	Maiden Grass	6.0 – 7.0
Dianthus deltooides	Maiden Pink	6.5 – 7.5
	Maidenhair Fern	6.0 – 8.0
Lychnis chalconica	Maltes Cross	6.0 – 7.5
	Maranta	5.0 – 6.0
	Marigold	6.0 – 7.5
	Monstera	5.0 – 6.0
Phlox subulata	Moss Pink	6.0 – 8.0
Centuarea Montana	Mountain Bluet	6.0 – 7.5
	Narcissus	6.0 – 7.5
	Nasturtium	6.5 – 7.0
	Neomarica	5.5 – 6.5
	Nephtytis	4.5 – 5.5
Aster novae-angliae	New England Aster	6.0 – 8.0
Aster novae-belgii	New York Aster	5.0 – 7.5
Dicentra spectabilis	Old Fashioned Bleeding Heart	6.0 – 7.5
	Oleander	6.0 – 7.5
	Orange Plant	6.0 – 7.5
	Orchid	4.5 – 5.5
Papaver oriental	Oriental Poppy	6.0 – 7.5
	Oxalis	6.0 – 8.0
	Palms	6.0 – 7.5
	Pandanus	5.0 – 6.0
	Pansy	6.5 – 7.0
	Passion Vine	6.0 – 7.0

	Pepperomia	5.0 – 6.0
<i>Iberis sempervirens</i>	Perennial Candytuft	5.5 – 7.0
	Periwinkle	6.5 – 7.0
<i>Aethionema cordifolium</i>	Persian Candytuft	5.5 – 7.0
	Petunia	6.0 – 7.5
	Philodendron	5.0 – 6.0
	Phlox	5.0 – 7.0
<i>Phlox paniculata</i>	Phlox	6.5 - 7.0
<i>Phlox peniculata</i>	Phlox, Summer Perennial	6.0 – 8.0
<i>Hosta plantaginea</i>	Plaintain Lily	6.0 – 7.5
	Plumbago	5.5 – 6.5
	Poinsettia	6.0 – 7.5
	Pole Beans	5.5 – 6.7
	Poppy	6.5 – 7.0
	Portulaca	5.5 – 7.5
	Pothos	5.0 – 6.0
<i>Primula auricula</i>	Primrose	6.0 – 8.0
<i>Primula polyantha</i>	Primrose	5.5 – 7.0
	Pumpkin	5.0 – 6.8
<i>Echinacea purpurea</i>	Purple Cone Flower	5.0 – 7.5
	Redtop	5.0 – 7.5
	Roses	6.0 – 7.0
<i>Gentiana Machinol</i>	Royal Blue Gentian	3.4 – 3.7
	Salvia	6.0 – 7.5
	Shasta Daisy	6.0 – 8.0
	Snapdragon	6.0 – 7.5
	Snapdragon	6.0 – 7.5
<i>Veronica rupestris</i>	Speedwell	5.5 – 7.5
<i>Veronica spicata</i>	Speedwell	5.0 – 6.0
	Sweet Alyssum	6.5 – 7.0
<i>Viola odorata</i>	Sweet Violet	6.0 – 7.5
	Sweet William	6.5 – 7.0
<i>Phlox divaricata</i>	Sweet William, Wild	5.0 – 6.5
	Sweetpea	6.5 – 7.0
<i>Hemerocallis fulva</i>	Tawny Day Lily	6.0 – 8.0
<i>Coreopsis verticillata</i>	Threadleaf Tickseed	5.0 – 6.0
	Tuberose	6.0 – 7.0
	Tulip	6.0 – 7.0
<i>Chelone glabra</i>	Turtlehead	5.0 – 6.0
	Verbena	6.0 – 8.0
<i>Cheiranthus cheiri</i>	Wallflower	6.0 – 8.0
<i>Anthemis tinctoria</i>	Yellow Camomile	6.0 – 8.0
	Zinnia	5.5 – 7.5

