

PLANTS FOR HARSH CLIMATES

Growing plants in some of the high altitude areas of East Idaho and Western Wyoming where extreme cold temperatures often occur can be frustrating and difficult. By planting varieties that are genetically tolerant of harsh weather conditions you can greatly increase your chances for success. Following is a list of plants that have been proven to tolerate extreme cold temperatures. All plants on this list are USDA hardiness zone 3 unless noted in parenthesis as zone 2. Zone 3 means the plant has been known to survive temperatures of -40° F. Zone 2 indicates that the plant has been known to survive -50° F.



Many other factors can affect the ability of a plant to survive cold temperatures. Some of these factors include excessive wind, lack of snow cover, rapid temperature changes, unusually early fall or late winter cold snaps, high pH of the soil, sun exposure, etc. Therefore, a plant that may survive well in a situation where it receives good early snow cover and is protected from the winter sun and prevailing winds may not survive nearby where those conditions are not met.

Note: An asterisk (*) indicates that the plant requires an acidic soil to do well.
A plus sign (+) indicates that the plant should be protected from harsh winds, especially in the winter.

Shade and Flowering Trees

Ash, Marshall	Linden, Redmond	Plum, Rose Tree of China (2)
Ash, Patmore (2)	Locust, Purple Robe	Poplar, Robusta
Aspen, Quaking (2)	Maple, Amur* (2)	Poplar, Siouxland
Aspen, Swedish (2)	Maple, Emerald Lustre	Poplar, Theves Lombardy (2)
Birch, Cutleaf Weeping (2)	Maple, Parkway	Russian Olive (2)
Birch, European White (2)	Maple, Tatarian	Sumac, Cutleaf Staghorn
Birch, Paper (2)	Mayday Tree	Sumac, Smooth
Birch, Young's Weeping (2)	Mountain Ash, European (2)	Sumac, Staghorn
Caragana, Weeping (2)	Oak, Bur	Willow, Golden
Cherry, Canada Red (2)	Pear, Prairie Gem	Willow, Laurel Leaf (2)
Hackberry, Common (2)	Plum, Cistena Tree Form	Willow, Prairie Cascade

Evergreen Trees

Arborvitae, Pyramid	Spruce, Alberta +	Spruce, Fat Albert
Juniper, Wichita Blue	Spruce, Baby Blue Eyes	Spruce, Hoopsi (2)
Juniper, Tolleson's Wpg	Spruce, Black Hills	Spruce, Norway (2)
Pine, Eastern White	Spruce, Colorado (2)	Spruce, Norway Wpg (2)

Evergreen Shrubs

Arborvitae, Hetz Midget	Juniper, Buffalo	Spruce, Dwf. Norway (2)+
Arborvitae, Little Giant	Juniper, Calgary Carpet	Spruce, Globe Blue (2)
Arborvitae, Woodward	Juniper, Tam	Spruce, Nest (2)+
Fir, Dwarf Balsam	Pine, Mugo (2)	
Juniper, Blue Chip	Spruce, Blue Nest (2)+	

Tall Deciduous Shrubs (4' and up)

Buckthorn, Fernleaf	Lilac, Common Purple (2)	Ninebark, Nugget
Buckthorn, Tallhedge	Lilac, Katherine Havemeyer	Peashrub, Siberian (2)
Cherry, Nanking (2)	Lilac, Ludwig Spaeth	Plum, Cistena
Chokeberry, Autumn Magic	Lilac, Miss Canada (2)	Plum, Rose Tree of China (2)
Chokecherry, Native (2)	Lilac, Miss Kim	Snowball Bush
Cotoneaster, Peking	Lilac, Mme. Lemoine	Snowberry, White
Dogwood, Bailey (2)	Lilac, Monge	Spirea, False Ash Leaf (2)
Dogwood, Isanti (2)	Lilac, Mount Baker (2)	Spirea, Vanhoutte
Dogwood, Ivory Halo	Lilac, Pocahontas (2)	Sumac, Cutleaf Staghorn (2)
Elderberry, Golden	Lilac, President Grevy	Sumac, Smooth (2)
Forsythia, Meadowlark	Lilac, Sensation	Sumac, Staghorn (2)
Forsythia, Northern Gold	Lilac, Tinkerbelle	Viburnum, Alfredo (2)
Honeysuckle, Copper Dwf.	Mockorange, Blizzard	Viburnum, Bailey Compact (2)
Honeysuckle, Dwf. Bush	Ninebark, Dart's Gold (2)	
Lilac, Beauty of Moscow	Ninebark, Diabolo	

Low Deciduous Shrubs (Under 4')

Bearberry Kinnickinnick*	Potentilla, All Varieties (2)	Spirea, Magic Carpet
Currant, Alpine (2)	Spirea, Goldflame	Sumac, Gro-Low
Hydrangea, Annabelle	Spirea, Goldmound	
Lilac, Dwarf Korean	Spirea, Little Princess	

Vines

Honeysuckle, Dropmore	Ivy, Engelman	Grape, Beta
Hops, Nugget Ornamental	Ivy, Virginia Creeper	Grape, Valiant

Roses

Belle Poitevine	Hansa	Therese Bugnet
Blanc Double de Coubert	J.P. Connell	Winnipeg Parks
Champlain	Morden Blush	Climbers:
Cuthbert Grant	Morden Centennial	Henry Kelsey
David Thompson	Morden Fireglow	John Davis
George Vancouver	Rugosa (2)	William Baffin

Fruit Trees

Apple, Haralred	Apple, Yellow Transparent	Pear, Golden Spice
Apple, Sweet Sixteen	Apricot, Scout	Plum, Toka

Small Fruits

Cherry, Nanking (2)	Gooseberry, Pixwell	Raspberry, Amity
Chokecherry, Native (2)	Grape, Beta	Raspberry, Golden Summit
Currant, Red Lake	Grape, Valiant	Raspberry, Latham (2)
Elderberry, Adams	Lingonberry, Red Pearl (2)*	Raspberry, Summit

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