

## Popular Hop Substitutions Feb. 2008

(Compiled from a variety of sources and showing some new varieties by LS Hop Nursery)

Name	Possible Substitutions
Alpine	Needs Brew Tests
Ahtanum	Cascade, Amarillo
Amarillo	Cascade, Centennial, Chinook
Brewer's Gold	Bullion, Newport, Nugget
Bullion	Columbus, N. Brewer, Brewers Gold
Cascade	Centennial, Amarillo, Columbus
Centennial	Cascade, Chinook, Columbus
Challenger	Perle, N. Brewer
Chinook	Nugget, Columbus, N. Brewer, Target
Cluster	Galena, N. Brewer
Columbus	Nugget, Chinook, Cascade, Target, N. Brewer
Crystal	Mt. Hood, Liberty, Hrsbrucker, Halltaufer
Eroica	Galena, Nugget, Chinook
First Gold	Kent Golding, Crystal
Fuggle	Glacier, Willamette, Styrian Golding, Tettnanger
Galena	Nugget, Chinook, Pride of Ringwood
Glacier	Willamette, Fuggle, Tettnang, Golding
Golding	Glacier, Golding, Progress, Willamette
Halletauer	Vanguard, Liberty, Ultra, Crystal, Ger. Tradition
Hersbrucker	Mt. Hood, Liberty
Horizon	Magnum or a high alpha hop
Kent Golding	Glacier, Golding, WGV
Liberty	Mt. Hood, Ultra, Hallertauer, Haller-Tradition
Magnum	Horizon, Newport, Northern Brewer
Millinium	Nugget, Columbus
Mt. Hood	Crystal, Liberty, Hersbrucker
Newport	Galena, Nugget, Magnum, Brewers Gold

Name	Possible Substitutions
Northern Brewer	Chinook, Ger. N. Brewer
Nugget	Columbus, Chinook, Newport, Galena, Magnum
Olympic	Chinook
Perle	N. Brewer, Cluster, Galena, Chinook
Polish Lublin	Sterling, Santiam, Ultra, Saaz, Tettnanger
Pride of Ringwood	Galena, Cluster
Progress	Kent Golding, Fuggle
Saaz	Sterling, Ultra, US Saaz, Polish Lublin
Santiam	Sterling, Ger. Tettnanger, Spalt, or Spalt Select
Simco	Unknown, high Alpha, good aroma
Spalt	Santiam, US Saaz or Tettnanger, Ger. Spalt Sel.
Sterling	Santiam, Saaz, Polish Lublin
Styrian Golding	Fuggle, Willamette
Target	Fuggle, Willamette
Tettnanger	Glacier, Santiam, Ger. Spalt, Czech Saaz
Tomahawk	Columbus
Tradition	Liberty, Hersbrucker, Haller-Mittelfrueh
Ultra	Liberty, Haller-Tradition, Saaz
Vanguard	Mt. Hood, Liberty, Ultra, Haller, Hersbrucker
Viking	English hybrid (needs local brew tests)
Vojvodina	Needs brew tests
Warrior	Nugget, Columbus
Whitbred Golding	Glacier, Kend Golding
Willamette	Glacier, Fuggle, Tettnang, Golding
Yakima Cluster	Unknown, Medium alpha, high cohumulone
Zeus	Nugget, Newport, Columbus