



# HOP VARIETIES

## Brewers Supply Group

Revised May 2010

Hop Variety	Alpha Acid Range	Beta Acid Range	CoH as % of Alpha	Total Oil mls/100 gr.	Origin	Aroma Characteristics
Ahtanum	5.7 - 6.3	5.0 - 6.5	32	0.8 - 1.2	USA	Floral
Amarillo®	8.0 - 11.0	6.0 - 7.0	22	1.5 - 1.9	USA	Floral and citrusy
Boadicea	8.0 - 9.0	3.6	26	1.3 - 1.5	England	Spicy somewhat intense
Cascade	4.5 - 6.5	4.5 - 6.5	37	0.8 - 1.4	USA	Flowery and citrusy can have a grapefruit note
Centennial	9.5 - 11.5	3.5 - 4.5	30	1.5 - 2.3	USA	Floral and citrus tones medium intensity
Challenger	6.5 - 8.5	3.0 - 4.0	22	1.0 - 1.5	USA / England	Mild to moderate flavor quite spicy
Chinook	12.0 - 14.0	3.0 - 4.0	32	1.5 - 2.5	USA	Spicy, piney distinctive grapefruit
Citra	11.0 - 13.0	3.5 - 4.5	23	2.2 - 2.8	USA	Citrus flavors of lime, grapefruit and other tropical fruits
Cluster	5.5 - 8.0	4.0 - 6.0	39	0.4 - 0.8	USA	Floral and spicy
Crystal	4.0 - 5.5	5.0 - 6.7	21	0.8 - 2.1	USA	Mild spicy and flowery
CTZ	14.0 - 18.0	4.5 - 5.8	32	2.0 - 3.5	USA	Pungent and intense
First Gold	6.5 - 8.5	3.0 - 4.2	33	0.7 - 1.3	England	Spicy somewhat similar to English Golding
Fuggle	4.0 - 5.5	2.2 - 3.1	26	0.7 - 1.1	England	Mild woody and fruity
Fuggle (US)	4.0 - 5.5	1.5 - 2.0	28	0.7 - 1.2	USA	Mild woody and fruity
Galena	11.0 - 13.5	7.2 - 8.4	40	0.8 - 1.2	USA	Citrusy
Glacier	5.2 - 6.2	8.0 - 8.5	12	0.7 - 1.6	USA	Pleasant hoppiness mild
Golding	4.5 - 6.5	2.0 - 3.0	23	0.8 - 1.0	USA / England	Mild fragrant and pleasant
Hallertau mf	3.5 - 5.5	3.5 - 5.5	22	1.0 - 1.5	Germany	Slightly flowery and spicy very mild
Hersbrucker	3.0 - 5.0	3.8 - 6.2	23	0.6 - 1.1	Germany	Pleasant and hoppy mild to semi-strong
Horizon	10.0 - 13.0	6.5 - 8.5	18	1.2 - 2.6	USA	Floral, spicy
Liberty	3.5 - 6.0	2.9 - 5.0	27	0.8 - 1.2	USA	Mild, slightly spicy
Magnum	12.0 - 14.0	4.2 - 4.9	25	1.5 - 2.1	Germany	No distinct aroma flavor clean bittering hop
Magnum (US)	12.0 - 14.0	4.5 - 6.0	26	1.9 - 2.3	USA	No distinct aroma flavor clean bittering hop
Mt.Hood	4.0 - 6.5	3.6 - 5.9	23	1.9 - 2.3	USA	Mild, pleasant, herbal and clean
Northern Brewer	7.0 - 9.0	3.2 - 4.1	29	1.2 - 1.8	USA / Germany	Medium to strong
Nugget	12.0 - 13.5	4.0 - 5.0	27	1.5 - 2.2	USA	Herbal
Palisade®	5.5 - 9.5	6.0 - 8.0	27	1.4 - 1.6	USA	Mild pleasant aroma
Perle	5.5 - 8.5	3.1 - 4.7	29	0.7 - 1.2	Germany	Floral and slightly spicy moderately intense
Perle (US)	7.0 - 9.5	4.0 - 5.0	29	0.7 - 0.9	USA	Floral and slightly spicy
Progress	5.0 - 7.5	1.8 - 2.7	27	0.5 - 0.8	England	Moderately strong good aroma
Saaz	2.5 - 4.5	2.8 - 5.0	26	0.4 - 0.8	Czech Republic	Spicy and earthy mild, pleasant hoppy notes
Saaz (US)	3.0 - 4.5	3.0 - 4.5	26	0.5 - 1.0	USA	Very mild, spicy and earthy
Saphir	3.0 - 5.5	4.0 - 7.0	15	0.8 - 1.4	Germany	Floral
Select	3.0 - 6.5	2.5 - 5.0	24	0.6 - 0.9	Germany	Pleasant slightly spicy
Simcoe®	12.0 - 14.0	4.0 - 5.0	18	2.0 - 2.5	USA	Piney aroma
Sorachi Ace	11.0 - 12.5	6.5 - 7.0	25	1.2 - 1.8	USA	Lemony
Sovereign	5.0 - 6.0	2.3 - 2.5	28	0.7	England	Mild flavor similar to Fuggle
Spalter	2.5 - 5.5	3.0 - 5.0	25	0.5 - 0.9	Germany	Mild and pleasant slightly spicy
Sterling	4.5 - 6.0	5.0 - 6.0	22	0.6 - 1.0	USA	Herbal hint of floral and citrus
Summit	16.0 - 18.0	4.5 - 5.0	28	2.4 - 2.6	USA	Strong citrus, grapefruit flavor
Target	10.0 - 12.5	4.5 - 5.7	35	1.2 - 1.4	England	Strong and distinctive floral
Tettnanger	3.0 - 5.0	2.7 - 4.5	25	0.5 - 1.0	Germany	Slightly spicy mild and pleasant
Tradition	4.0 - 7.0	3.0 - 6.0	27	0.5 - 1.0	Germany	Flowery and spicy very mild
Vanguard	5.5 - 6.0	6.0 - 7.0	15	0.9 - 1.2	USA	Similar to Hallertau mf
WGV	5.5 - 7.5	2.0 - 2.7	27	0.8 - 1.2	England	Distinctive and fruity
Warrior®	15.0 - 17.0	4.5 - 5.5	25	1.0 - 2.0	USA	Very mild
Willamette	4.5 - 7.0	3.0 - 4.7	32	0.9 - 1.5	USA	Slightly spicy mild and pleasant