

## 2019 HOP VARIETY LIST-USA, NZ, AUS, SA



Variety	Alpha acids range %	Cohumulone as % of alpha acids	Total Oils ml/100 g	Aroma profile
<b>UNITED STATES</b>				
AHTANUM	4,5-6,0	30-35	0,8-1,2	jasmine, lemon
AMARILLO	8,0-11,0	21-24	1,5-1,9	citrus, orange
APOLLO	14,0-18,0	24-28	1,6-2,5	strong herbal, grapefruit
AZACCA	12,0-15,0	26-32	2,1-2,6	citrus, pineapple, piney
BELMA	10,0-12,0	24-32	1,2-1,8	strawberry, pineapple
BRAVO	13,0-17,0	29-34	1,6-2,4	citrusy, fruity, plum,
CALYPSO	11,0-14,0	39-43	1,6-2,5	pear, apple, peach
CASHMERE	7,0-9,5	22-24	1,2-1,5	melon, lemon, pineapple, coconut
CASCADE	4,5-7,5	33-40	0,8-1,4	fruity, grapefruit
CENTENNIAL	9,5-11,5	29-30	1,5-2,2	lemon, herbal
CHINOOK	12,0-14,0	29-35	1,7-2,7	spicy, pine
CITRA	11,0-13,0	22-24	2,2-2,9	tropical fruit, citrusy
COLUMBUS / CTZ /	13,0-17,0	28-32	2,1-3,0	black pepper, spicy
COMET	9,0-11,0	38-42	1,1-1,5	grapefruit, citrus
CRYSTAL	3,5-5,5	20-26	1,0-1,5	tangerine, citrus
DELTA	4,0-7,0	22-24	0,5-1,1	pineapple, hint of citrus, pear
DENALI	13,0-15,0	22-26	2,5-3,8	pine, pineapple, citrusy
EL DORADO	13,0-17,0	28-33	2,5-2,8	apricot, watermelon
EKUANOT / EQUINOX /	12,0-15,0	31-36	2,5-3,5	melon, papaya, pine
EUREKA	17,0-19,0	25-30	2,5-3,5	black currant, herbal, pine
GALENA	10,0-14,0	36-40	0,9-1,3	gooseberry, pear
GLACIER	5,0-7,0	11-13 %	0,7-1,5	plum, vanilla, blackberry
IDAHO 7	12,0-15,0	26-36	1,2-1,8	apricot, orange, papaya
JARRYLO	15,0-17,5	25-30	1,8-2,4	banana, pear, orange
LEMONDROP	4,5-7,5	28-35	1,5-2,0	lemon, mint, green tea
LIBERTY	3,0-5,0	24-30	0,6-1,2	lemon, citrus
MOSAIC	12,0-14,0	24-26	1,1-1,5	gooseberry, tangerine
MT.HOOD	4,0-7,0	21-24	1,2-1,6	herbal, flowery, honey
NUGGET	11,0-14,0	22-26	1,8-2,2	lime, ginger
PEKKO	12,0-15,5	35-45	1,5-2,2	citrus, mint
SIMCOE	12,0-14,0	15-20	2,0-2,5	pine-like aroma
SORACHI ACE	10,0-14,0	23-27	2,8-3,2	lemon, coconut
SUMMIT	16,0-18,0	26-33	1,5-2,5	pepper, wild garlic, gooseberry
STERLING	5,0-8,5	23-30	0,9-1,4	lemon, pineapple
WILLAMETTE	4,0-6,0	30-35	1,0-1,5	citrus, elderberry
EXP.07270	14,5-17,5	26-29	3,1-4,0	spicy, citrusy
<b>NEW ZEALAND</b>				
DR.RUDI	10,0-13,0	33-36	1,1-1,5	lemongrass, pine
NELSON SAUVIN	10,0-13,0	22-26	1,0-1,3	gooseberry, grapefruit
NZ CASCADE / TAIHEKE /	6,0-8,0	33-40	1,1-1,5	grapefruit, floral
MOTUEKA	6,0-7,0	25-35	0,8-1,2	lemon, lime, floral
PACIFIC GEM	13,0-15,5	37-40	1,1-1,4	blackberry, oak, pine
PACIFIC JADE	12,0-14,0	22-26	0,7-1,1	herbal, lemon, black pepper
RAKAU	11,0-14,0	24-30	2,1-2,4	tropical fruit, passionfruit
RIWAKA	5,0-8,0	29-36	0,8-1,5	grapefruit, tropical fruit
WAIMEA	14,0-18,0	22-30	1,4-1,9	tangerine, pine
WAI-ITI	2,0-4,0	23-28	0,7-1,4	lemon, tangerine
WAKATU	6,5-8,5	28-30	0,9-1,2	vanilla, floral, lime
<b>AUSTRALIA</b>				
ELLA	13,0-16,0	35-40	2,4-3,4	lavender, bergamot
TOPAZ	15,0-18,0	44-48	0,8-1,7	spicy, fruitcake
<b>SOUTH AFRICA</b>				
SOUTHERN PASSION	11,5-12,5	18-22	0,8-1,2	red berries, grapefruit
AFRICAN QUEEN	13,0-14,5	26-30	1,2-1,5	gooseberry, cloves, lemon grass