

2020 HOP VARIETY LIST



| Variety | Alpha acids range | Cohumulone as % of | Total Oils | Aroma profile |
|----------------------------|-------------------|--------------------|------------|---|
| | % | alpha acids | ml/100 g | |
| CZECH REPUBLIC | | | | |
| AGNUS | 10,0-14,0 | 28-38 | 2,0-3,0 | spicy, earthy, citrusy |
| BOHEMIE | 5,0-8,0 | 23-26 | 1,0-1,5 | slightly spicy, hoppy |
| HARMONIE | 5,0-8,0 | 17-21 | 1,1-1,9 | slightly spicy, banana, hoppy |
| KAZBEK | 5,0-8,0 | 35-40 | 0,9-1,8 | grapefruit, lemon |
| PREMIANT | 7,0-11,0 | 18-24 | 0,9-1,4 | herbal, earthy |
| RUBIN | 9,0-12,0 | 25-33 | 1,0-1,6 | hoppy, spicy |
| SAAZ / ŽATECKÝ ČERVENĚK / | 2,5-5,0 | 23-26 | 0,4-0,9 | herbal, floral |
| SAAZ LATE | 3,5-5,5 | 24-28 | 0,5-1,1 | herbal, hoppy |
| SLADEK | 4,5-7,5 | 22-28 | 0,8-1,1 | floral, earthy |
| VITAL | 12,0-15,0 | 21-26 | 1,5-2,4 | spicy |
| GERMANY | | | | |
| ARIANA | 9,5-11,0 | 25-35 | 1,6-2,4 | black currant, peach, |
| BREWERS GOLD | 5,5-8,5 | 40-45 | 0,9-1,2 | spicy, black, lemon |
| CALLISTA | 2,5-4,5 | 25-35 | 1,4-2,1 | hoppy, apricot, raspberry |
| CASCADE DE | 5,5-7,5 | 30-40 | 0,8-1,4 | fruity, grapefruit |
| HALLERTAU BLANC | 9,0-12,0 | 22-26 | 1,2-1,5 | fruity,floral, |
| HALLERTAU MITTELFRUH | 3,0-5,5 | 18-28 | 0,7-1,3 | herbal, grassy |
| HALLERTAU TRADITION | 4,0-7,0 | 24-30 | 0,6-1,1 | floral, herbal |
| HERKULES | 12,0-18,0 | 32-38 | 1,6-2,4 | black currant, spicy |
| HERSBRUCKER | 2,5-4,0 | 17-25 | 0,4-0,9 | herbal |
| HUELL MELON | 7,0-8,0 | 25-30 | 0,6-0,9 | fruity, melon |
| MAGNUM | 10,0-16,0 | 21-29 | 1,6-2,5 | hoppy, spicy |
| MANDARINA BAVARIA | 7,0-10,0 | 31-35 | 1,8-2,2 | fruity, tangerine |
| MERKUR | 11,0-14,5 | 17-22 | 1,4-1,9 | clean bitterness |
| MONROE | 2,5-3,5 | 20-30 | 0,9-1,1 | fruity, strawberry, cherry notes |
| NORTHERN BREWER | 6,0-10,0 | 27-32 | 1,1-1,6 | spicy, resinous |
| OPAL | 5,0-8,0 | 13-17 | 0,8-1,2 | spicy, sweet |
| PERLE | 5,0-9,0 | 29-35 | 0,6-1,5 | floral, hoppy |
| POLARIS | 19,0-23,0 | 22-28 | 4,1-4,6 | fruity, minty |
| SAPHIR | 3,0-5,0 | 12-17% | 0,8-1,4 | floral, fruity |
| SMARAGD | 4,0-6,0 | 13-18 | 0,4-0,8 | hoppy, herbal |
| SPALTER SELECT | 3,0-6,0 | 21-27 | 0,6-0,9 | herbal, floral |
| TETTNANGER | 2,5-5,5 | 22-28 | 0,5-0,9 | earthy, floral |
| UNITED KINGDOM | | | | |
| ADMIRAL | 14,0-16,0 | 35-45 | 1,0-1,7 | resinous, orange |
| BRAMLING CROSS | 5,0-8,0 | 26-31 | 1,1-1,7 | spicy, blackcurrant |
| CHALLENGER | 6,5-8,5 | 20-25 | 1,0-1,7 | spicy, cedary |
| FIRST GOLD | 6,0-9,0 | 32-34 | 0,6-1,3 | orange, marmalade |
| FUGGLES | 4,0-5,0 | 25-30 | 0,7-1,4 | grassy, minty, earthy |
| EAST KENT GOLDING | 4,5-6,5 | 23-28 | 0,7-1,1 | spicy, honey, orange |
| JESTER | 7,0-9,5 | 23-29 | 0,8-1,4 | grapefruit, lychees |
| MINSTREL | 5,0-7,0 | 22-26 | 0,7-1,2 | orange, herbal |
| OLICANA | 7,0-9,0 | 28-32 | 0,8-1,4 | mango, grapefruit |
| PILGRIM | 9,0-13,0 | 36-38 | 1,0-1,8 | spicy, pear, cedar |
| PIONEER | 9,0-12,0 | 35-39 | 0,9-1,6 | cedar, grapefruit |
| SOVEREIGN | 5,0-6,0 | 26-30 | 0,6-1,1 | grassy, floral, nutty |
| TARGET | 9,0-12,0 | 35-40 | 1,2-1,5 | pine, cedar |
| FRANCE | | | | |
| ARAMIS | 6,0-8,5 | 21-25 | 1,2-1,6 | grassy, citrusy |
| BARBE ROUGE | 8,0-9,5 | 24-32 | 1,1-1,6 | strawberry, bubble gum |
| ELIXIR | 4,5-6,5 | 25-28 | 1,6-1,8 | tropical fruit , tangerine and sandalwood notes |
| MISTRAL | 6,5-8,5 | 29-39 | 1,1-1,5 | jasmine, lychee, black currant |
| STRISSELSPALT | 2,5-3,5 | 22-25 | 0,7-1,1 | herbal, floral |
| TRISKEL | 7,0-9,0 | 20-23 | 1,5-2,0 | floral, fruity |
| SLOVENIA | | | | |
| AURORA | 7,5-9,5 | 30-40 | 0,9-1,4 | floral, citrus, bergamot |
| STYRIAN GOLDING / CELEIA / | 4,0-6,5 | 25-35 | 0,5-1,1 | lemon tea, lemon grass, peppermint |
| POLAND | | | | |

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| LUBLIN | 2,5-4,0 | 25-30 | 0,6-0,9 | herbal, floral, tea |
| UNITED STATES | | | | |
| 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 |
| CASCADE | 4,5-7,5 | 33-40 | 0,8-1,4 | fruity, grapefruit |
| CASHMERE | 7,0-9,5 | 22-24 | 1,2-1,5 | melon, lemon, pineapple, coconut |
| 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 / SULTANA / | 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 | 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 |
| LORAL | 10,0-14,0 | 20-24 | 1,2-2,3 | floral, lemon, pepper |
| LOTUS | 13,0-17,0 | 33-39 | 1,7-2,3 | orange, vanilla, tropical fruits |
| MOSAIC | 12,0-14,0 | 24-26 | 1,1-1,5 | gooseberry, tangerine |
| MT.HOOD | 4,0-7,0 | 21-24 | 1,1-1,5 | herbal, flowery, honey |
| NUGGET | 11,0-14,0 | 22-26 | 1,8-2,2 | lime, ginger |
| PAHTO | 16,5-20,5 | 25-28 | 1,1-1,9 | floral, herbal, spicy |
| PEKKO | 12,0-15,5 | 35-45 | 1,5-2,2 | citrus, mint |
| SABRO | 14,5-17,5 | 20-25 | 2,5-3,3 | fruity, tropical fruits, citrusy |
| 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 |
| NEW ZEALAND | | | | |
| 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 |
| AUSTRALIA | | | | |
| ELLA | 13,0-16,0 | 35-40 | 2,4-3,4 | levender, bergamot |
| ENIGMA | 16,5-19,5 | 38-45 | 1,9-2,8 | redcurrant, raspberry, white grape |
| GALAXY | 12,0-16,5 | 25-45 | 1,9-2,9 | tropical fruits, peach |
| VICTORIA SECRET | 15,5-19,5 | 45-50 | 2,1-2,8 | pineapple, pine |
| TOPAZ | 15,0-18,0 | 44-48 | 0,8-1,7 | spicy, fruitcake |
| SOUTH AFRICA | | | | |
| SOUTHERN PASSION | 11,5-12,5 | 18-22 | 0,8-1,2 | red berries, grapefruit |
| AFRICAN QUEEEN | 12,5-14,5 | 26-30 | 1,2-1,5 | gooseberry, lemon gras |
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