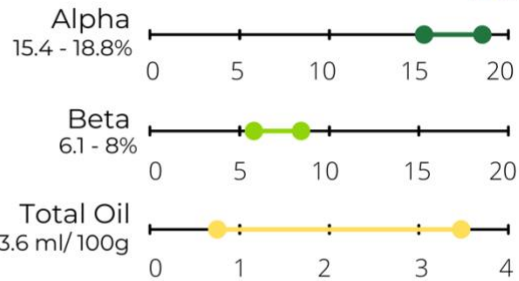




Ahhhroma™



This dual-purpose, GHR proprietary variety was ranked #1 variety by brewers at CBC in whole-leaf, out of 10 new varieties.



Aroma Profile:

Piña Colada, Stone Fruit, Cinnamon, Nutmeg

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
67%	7.4%	8.3%	<1.5%

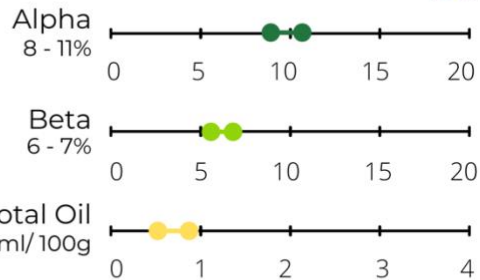
Similar Hops:
Azacca, El Dorado



Amarillo



Discovered in 1990 and released to the public in 2003. Amarillo has become one of the most popular dual-purpose varieties.



Aroma Profile:

Floral, Orange citrus, peach, grapefruit, melon

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
60 - 70%	9 - 11%	2 - 4%	2 - 4%

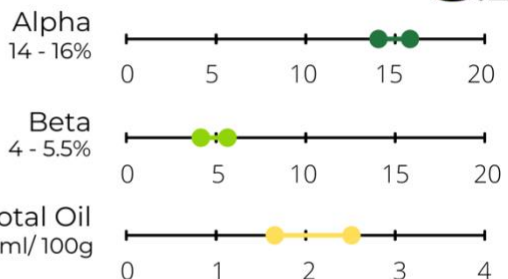
Similar Hops:
Nugget, Cascade, Centennial



Azacca



Named after the Haitian god of agriculture. This dual-purpose hop delivers citrus and tropical fruit notes.



Aroma Profile:

Mango, papaya, orange, grapefruit, lemon, pine, spicy, pineapple, grass

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
46 - 55%	14 - 18%	8 - 12%	<1%

Similar Hops:
Mosaic, Citra, El Dorado



Cascade

Released in 1972, Cascade hops became the most widely used dual-purpose hops to define the American Craft Beer movement.

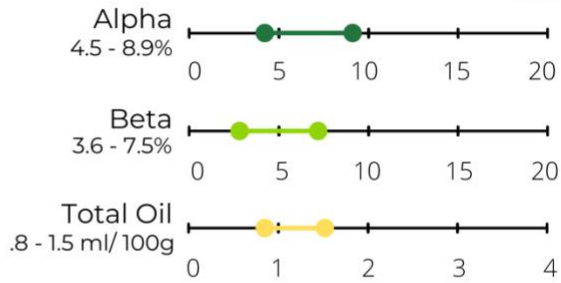
Aroma Profile:

Piney floral with elements of citrus & notes of grapefruit

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
45 - 60%	8 - 16%	4 - 6%	3 - 7%



Similar Hops:

Centennial, Mosaic, Citra, El Dorado



Cashmere

This dual-purpose hop was released in 2013. It is a cross between Cascade and Northern Brewer.

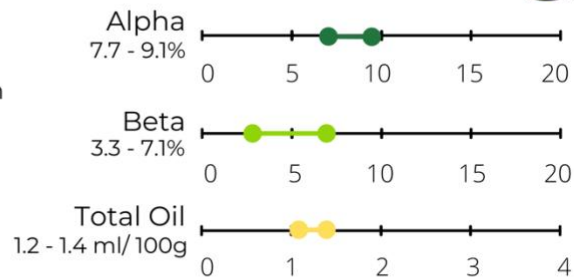
Aroma Profile:

Smooth, herbal, lemon-lime, tangerine, melon, coconut, spice

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
39 - 42%	26 - 29%	11.5 - 13%	<1%



Similar Hops:

Mosaic, Citra, El Dorado



Chinook

Released in 1985, this dual-purpose hop embodies American hops with its high alpha and piney character.

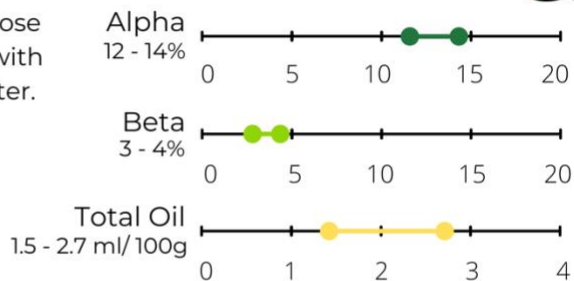
Aroma Profile:

Intense pine, resin, grapefruit, earthy spice

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
35 - 40%	18 - 25%	9 - 11%	<1%



Similar Hops:

Cascade, Centennial, Columbus



Citra

Released in 2007, this dual-purpose hop enamored the craft beer industry with citrus and tropical fruit character.

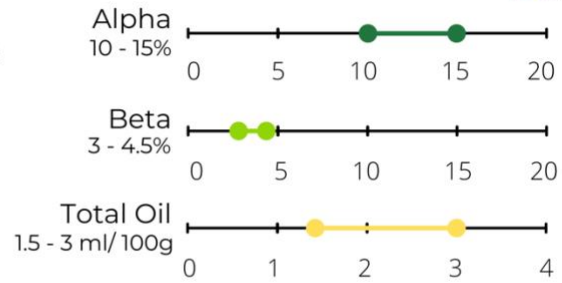
Aroma Profile:

Citrus, grapefruit, lime, gooseberry, passionfruit, lychee, tropical fruits

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
60 - 70%	7 - 12%	3 - 8%	<1%



Similar Hops:
Azacca, El Dorado, Mosaic



Comet

This 70's era, dual-purpose hop is finding renewed favor due to its wild grassy, citrus, and dank character.

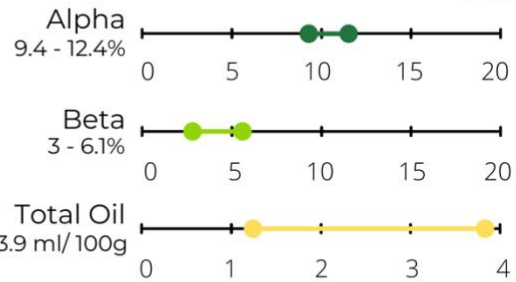
Aroma Profile:

Grapefruit, stonefruit, resin, grass, floral, dank

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
40 - 67%	1 - 2%	5 - 15%	<1%



Similar Hops:
Cascade, Citra, Cashmere, Centennial



Crystal

Predominantly an aroma hop, Crystal hops are a cross between Hallertau and Cascades.

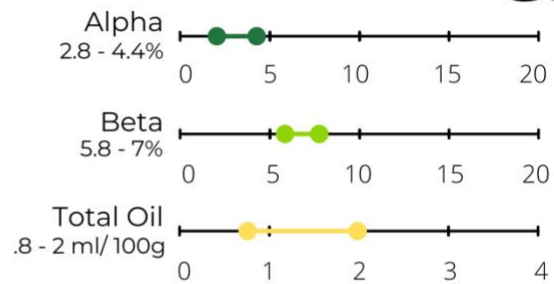
Aroma Profile:

Woody, floral, earthy spice, cinnamon, nutmeg, black pepper

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
40 - 65%	18 - 24%	4 - 8%	<1%



Similar Hops:
Mt. Hood, Hallertau, Liberty



CTZ

This is a trio of hops (Columbus, Tomahawk & Zeus) that is dual-purpose, but predominantly used for bittering.

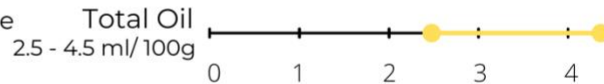
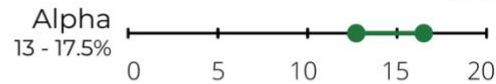
Aroma Profile:

Citrus, herbal, pungent, black pepper, licorice

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
45 - 55%	9 - 18%	5 - 10%	<1%



Similar Hops:
Columbus, Tomahawk, Zeus



El Dorado

This popular, dual-purpose hop released in 2010 boasts a soft bitterness and candy-like tropical, citrus and stone fruit.

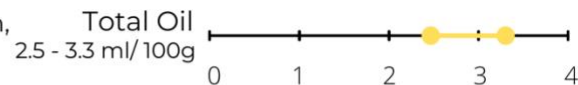
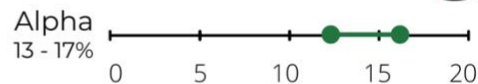
Aroma Profile:

Pineapple, mango, pear, lemon, watermelon, stone fruit, candy

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
55 - 60%	10 - 15%	6 - 8%	<1%



Similar Hops:
Azacca, Citra, Mosaic



Galena

This dual-purpose hop was released in Idaho in the late 70's. It is best known for its earthy and fruity character

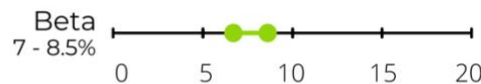
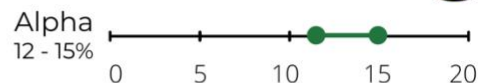
Aroma Profile:

Pine, citrus, pear, pineapple, black currant, gooseberry, spicy, woody

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
55 - 60%	10 - 15%	3 - 6%	<1%



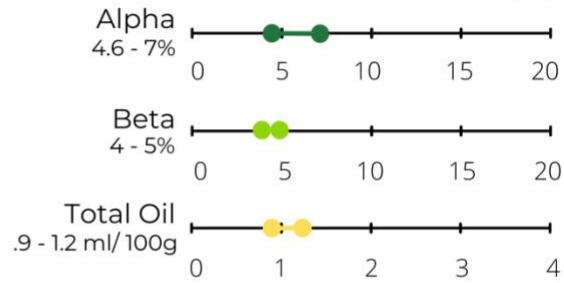
Similar Hops:
Idaho 7, Simcoe, CTZ



Hallertau Tradition



This aroma hop is a modern descendant of Noble Hops, specifically Hallertau Gold and Saaz.



Aroma Profile:

Earthy, grassy, nectar fruits, spicy, floral

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
20 - 25%	40 - 55%	10 - 15%	<1%

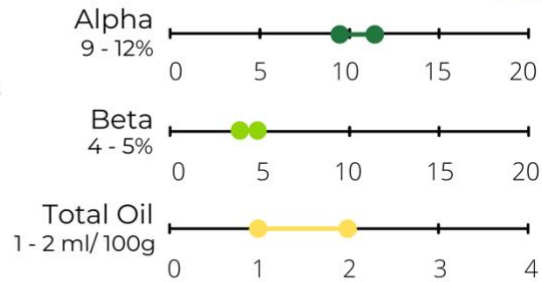
Similar Hops:
Hallertau Mittelfrüh, Mt. Hood, Perle, Tettninger



Idaho 7™



Primarily an aroma hop Idaho 7 has enough alpha acids to use for bittering. Released in 2015 from its namesake state.



Aroma Profile:

Complex, woody, tropical, juicy fruit gum, jackfruit, grapefruit, black tea

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
45 - 55%	10 - 20%	6 - 10%	<1%

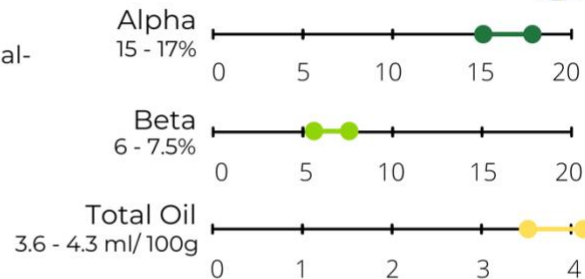
Similar Hops:
Azacca, Citra, El Dorado, Mosaic



Jarraylo



Named after the Slavic god of fertility and springtime, this dual-purpose hop provides coveted aromas in late additions.



Aroma Profile:

Banana, Pear, Orange, grassy, spicy, white wine

Available Forms:

T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
40 - 55%	15 - 18%	8 - 11%	<1%

Similar Hops:
Mosaic, Motueka, Nelson Sauvin



Mosaic

This dual purpose hop has been a hit since its release in 2012. The complex and diverse aroma profile lives up to its name.

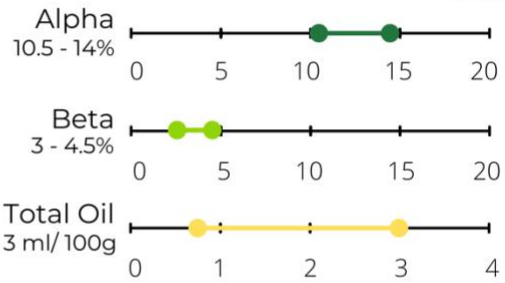
Aroma Profile:

Pine, tangerine, mango, papaya, blueberry, rose, grassy, bubble gum, herbs

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
47 - 53%	10 - 16%	3 - 8%	<1%



Similar Hops:

Motueka, Nelson Sauvin, Jarraylo



Mt. Hood

This American aroma hop, named after Oregon's Mt. Hood, has distinct roots in German Hallertau Tradition

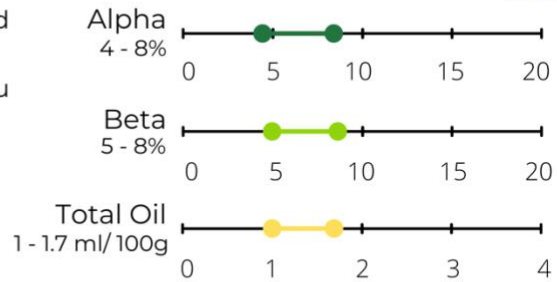
Aroma Profile:

Herbal, earthy, spicy, woody, tobacco

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
30 - 40%	30 - 38%	13 - 16%	<1%



Similar Hops:

Hallertau Tradition, Liberty, Perle, Tettninger,



Nugget

This classic dual-purpose hop remains popular due to its herbal and earthy character as well as its storage potential.

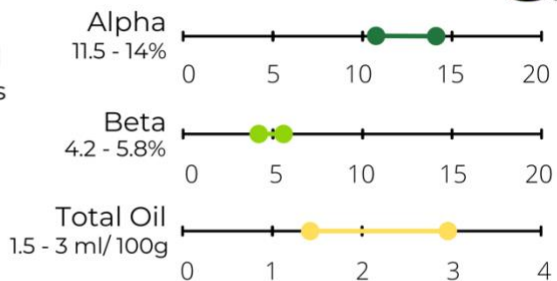
Aroma Profile:

Herbal, earthy, spicy, woody, tobacco

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
27 - 59%	12 - 22%	7 - 10%	<1%



Similar Hops:

CTZ, Crystal, Galena



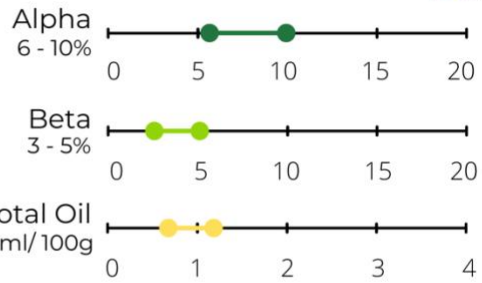
Perle

This dual-purpose hop released in the late 70s has Noble Hop and Northern Brewer roots.

Aroma Profile:
Herbal, floral, spicy

Available Forms:
T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
45 - 55%	28 - 33%	10 - 12%	<1%



Similar Hops:
Crystal, Hallertau Tradition, Mt. Hood



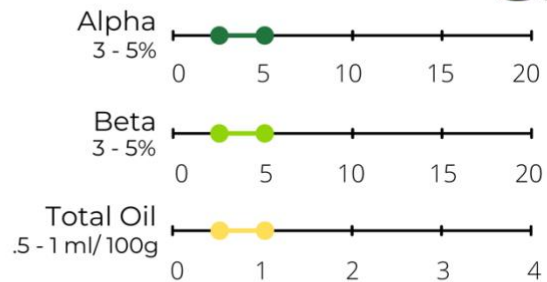
Saaz

This aroma hop is the classic hop from the Czech Republic that defines Noble Hop character.

Aroma Profile:
Mild, earthy, spicy, herbal, black pepper, berries

Available Forms:
T - 90 Pellets, Hopzoil

Myrcene	Humulene	Caryophyllene	Farnesene
25 - 37%	23 - 40%	7 - 11%	9 - 13%



Similar Hops:
Crystal, Hallertau Tradition, Mt. Hood, Perle



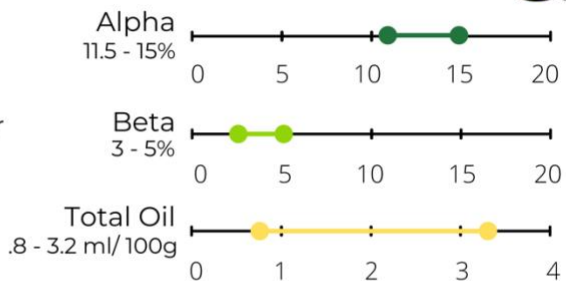
Simcoe

This dual-purpose hop was developed in 2000 and has become popular due to its complex fruit and pine character

Aroma Profile:
pine, grapefruit, earthy, herbal, passion fruit, berries

Available Forms:
T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
40 - 65%	10 - 20%	5 - 14%	<1%



Similar Hops:
Cascade, Centennial, Citra, Mosaic

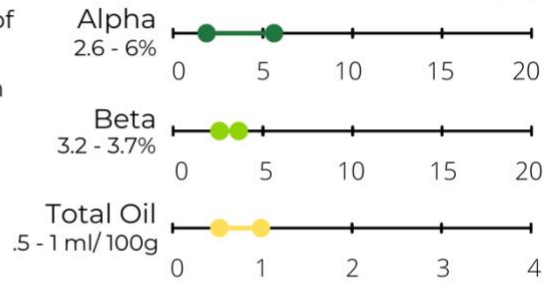




Sonnet™



This aroma hop is a combination of Czech Saaz and English Kent Goldings to blend the best of both worlds.



Aroma Profile:

Deep floral, grass, earth, oak, honeysuckle, lemon

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
- %	- %	- %	- %

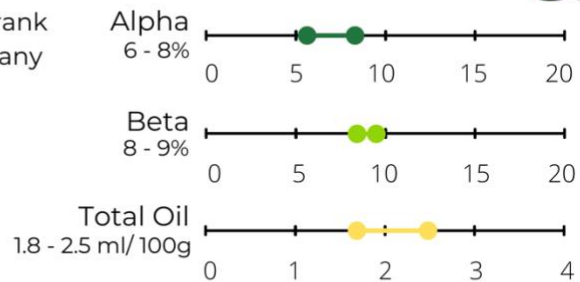
Similar Hops:
Crystal, East Kent Golding, Saaz



Zappa



This aroma hop, named after Frank Zappa, boasts character unlike any other hop.



Aroma Profile:

Mango, passion fruit, citrus, pine, savory, minty, Fruity Pebbles

Available Forms:

T - 90 Pellets

Myrcene	Humulene	Caryophyllene	Farnesene
64 - 65%	4 - 5%	8 - 9%	<1%

Similar Hops:
Cashmere, Mosaic, Simcoe