



<i>Variety</i>	<i>Profile</i>	<i>Origin</i>	<i>Alpha%</i>	<i>Use</i>
<b>Amarillo</b>	<b>Floral, tropical, and citrus (lemon, orange and grapefruit) aroma and flavour.</b>	<b>USA</b>	<b>8-11</b>	<b>Dual Purpose</b>
<b>Cascade</b>	<b>Excellent spicy flavour with floral and slightly citrus overtones to its aroma.</b>	<b>USA</b>	<b>4-7</b>	<b>Dual Purpose</b>
<b>Centennial</b>	<b>Well balanced medium intensity floral and citrus (lemon) tones. Sometimes called a "Super Cascade".</b>	<b>USA</b>	<b>9.5-11.5</b>	<b>Dual Purpose</b>
<b>Challenger</b>	<b>Cedar, green tea and sweet floral characteristics (as a late addition, it can provide crisp, fruity flavors).</b>	<b>UK</b>	<b>6.5-9</b>	<b>Dual Purpose</b>
<b>Chinook</b>	<b>Distinct, medium intensity spice and pine characteristics with subtle notes of grapefruit.</b>	<b>USA</b>	<b>12-14</b>	<b>Dual Purpose</b>
<b>Citra</b>	<b>Strong citrus and tropical tones of grapefruit, melon, lime, gooseberry, passion fruit and lychee.</b>	<b>USA</b>	<b>11-13</b>	<b>Aroma</b>
<b>Cluster</b>	<b>Strong floral and spicy characteristics. Excellent general purpose variety with balanced bittering and aroma potential.</b>	<b>USA</b>	<b>5.5-8.5</b>	<b>Dual Purpose</b>
<b>Ella</b>	<b>Spicy, hoppy and floral with hints of anise. Reminiscent of, yet distinctly different from, noble European varieties.</b>	<b>AUST</b>	<b>14-16</b>	<b>Aroma</b>
<b>Fuggles</b>	<b>Delicate and pleasant mint, grass and floral tones. The most revered and famous English hop, known for its full bodied flavor in traditional ales.</b>	<b>UK</b>	<b>3.5-6.5</b>	<b>Aroma</b>
<b>Galaxy</b>	<b>Distinct citrus, peach and passion fruit flavors. Typically used as a late addition - the aroma and flavor characteristics become more pronounced the later the addition.</b>	<b>AUST</b>	<b>11-16</b>	<b>Aroma</b>

<b>Goldings</b>	<b>Smooth and delicate with floral, lavender, spice, honey, earth, lemon and thyme overtones. A traditional English hop that has been used in kettle and dry hopping.</b>	<b>UK</b>	<b>4 - 6</b>	<b>Dual Purpose</b>
<b>Hallertau</b>	<b>Mild and pleasant, yet spicy, with herbal and floral characteristics. The classic German hop associated with Bavarian-style lager beers and distinguished by an intense, pleasantly harmonic bitterness.</b>	<b>GER</b>	<b>3-5</b>	<b>Aroma</b>
<b>Helga</b>	<b>Very mild and pleasant with delicate floral and herbal tones.</b>	<b>AUST</b>	<b>4.5-7.5</b>	<b>Aroma</b>
<b>Hersbrucker</b>	<b>Mild, herbal and floral characteristics, with fruity overtones. A delicate aroma hop used mainly in lager type beers.</b>	<b>GER</b>	<b>2-5</b>	<b>Aroma</b>
<b>Mosaic</b>	<b>Rich in Mango, lemon, citrus, earthy pine, tropical fruit, herbal and stone fruit notes.</b>	<b>USA</b>	<b>11.5-13.5</b>	<b>Dual Purpose</b>
<b>Motueka</b>	<b>Lively lemon and lime tones with background hints of tropical fruit. An excellent variety for single hop bills with multiple applications.</b>	<b>NZ</b>	<b>6.5-8.5</b>	<b>Aroma</b>
<b>Nelson Sauvin</b>	<b>Distinct cool climate and white wine "fruitiness" with fresh crushed gooseberry and grape infused flavors.</b>	<b>NZ</b>	<b>12-13</b>	<b>Dual Purpose</b>
<b>Northern Brewer</b>	<b>Medium intensity, pine and mint characteristics.</b>	<b>USA</b>	<b>8-10</b>	<b>Dual Purpose</b>
<b>Pacific Gem</b>	<b>Fruity bouquet that closely resembles blackberries. A bittering hop that is also used in all capacities for its rich properties.</b>	<b>NZ</b>	<b>13.5-15</b>	<b>Bittering</b>
<b>Perle</b>	<b>Delicate floral, fruit, spice and mint tones. A highly acceptable aroma variety with balanced bittering characteristics.</b>	<b>GER</b>	<b>6-10</b>	<b>Aroma</b>
<b>Pride of Ringwood</b>	<b>A pronounced and pleasant aroma with cedar, oak and herbal tones. Predominantly used for early kettle additions.</b>	<b>AUST</b>	<b>8.5-10.5</b>	<b>Bittering</b>
<b>Saaz</b>	<b>Very mild, with pleasant earthy, herbal and floral overtones.</b>	<b>CZECH</b>	<b>2-5</b>	<b>Aroma</b>

<b>Simcoe</b>	<b>Unique passion fruit, pine, earth and citrus characteristics. Known as a bittering hop with a good aroma.</b>	<b>USA</b>	<b>12-14</b>	<b>Dual Purpose</b>
<b>Sticklebract</b>	<b>An excellent bittering hop that also displays a piney citrus character.</b>	<b>NZ</b>	<b>13-14</b>	<b>Dual Purpose</b>
<b>Summer</b>	<b>Balanced citrus, melon and light apricot tones. Dry hopping displays distinct stone fruit and melon characteristics.</b>	<b>AUST</b>	<b>5.5-6.5</b>	<b>Dual Purpose</b>
<b>Super Alpha/Dr Rudi</b>	<b>Fresh citrus peel, pine and lemongrass flavors.</b>	<b>NZ</b>	<b>10-12</b>	<b>Dual Purpose</b>
<b>Target</b>	<b>An intense English hop aroma with distinct spicy, floral, sage and citrus characteristics. An excellent bittering hop that tends to be too harsh for aroma purposes late in the boil.</b>	<b>UK</b>	<b>8.5-13.5</b>	<b>Bittering</b>
<b>Tettnanger</b>	<b>Mild and pleasant with balanced earthy, herbal and floral aroma impressions.</b>	<b>GER</b>	<b>3-6</b>	<b>Aroma</b>
<b>Topaz</b>	<b>Resinous, grassy tones with light tropical flavors. Dry hopping produces resinous characteristics while tropical tones are found in higher gravity beers.</b>	<b>AUST</b>	<b>13.5-18</b>	<b>Dual Purpose</b>
<b>Vic Secret</b>	<b>Clean, distinct fruit and pine characters best accessed by dry hopping or whirlpool additions.</b>	<b>AUST</b>	<b>14-17</b>	<b>Aroma</b>
<b>Waimea</b>	<b>Intense tangelo and citrus fruit with subtle pine characteristics. Can be used across a wide variety of beer styles and applications.</b>	<b>NZ</b>	<b>16-19</b>	<b>Dual Purpose</b>
<b>Willamette</b>	<b>Fragrant spicy woody aroma. An excellent aromatic hop for American ales and lagers.</b>	<b>USA</b>	<b>4-6</b>	<b>Aroma</b>