



# VARIEDADES DE LÚPULO

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NOME	CARACTERÍSTICA	USO	ALFA ÁCIDO %	BETA ÁCIDO %	TOTAL DE ÓLEOS	SUBSTITUTO	ESTILO INDICADO	ORIGEM
Admiral	Típico inglês, muito conhecido por seu potencial de amargor.	Amargor	13 - 16.2%	4.8 - 6.1%	1.0 - 1.7	Amarillo, Cascade USA, Centennial, Chinook, U.K. Challenger, U.K. Northdown, U.K. Target	Extra special Bitter (ESB), India Pale Ale, English Bitter, Pale Ale, Ale, English Ale, Belgian Ale, French Ale, Barleywine, Imperial stout, English Strong Ale, Scottish Strong Ale, Scottish Ale, Porter, Scout	Reino Unido
Ahtanum	Floral, cítrico, ácido e pinho.	Aroma	4.0 - 6.5%	5.0 - 6.5%	0.8 - 1.2	Amarillo, Cascade, Centennial, Simcoe, Perle, Challenger	American Ale, American Amber, Pale Ale, India Pale Ale, Lager, Brown Ale, Porter, Scout	Estados Unidos
Agnus	Picante	Amargor	12 - 16 %	6.0 - 9.0 %	2.5 - 3.0		Lagers, Ales, Stout	Republica Checa
AlphAroma		Ambos	5.8 - 10.9%	2.4 - 4.8%	1.0 - 1.5		Pale Ale, Lager	Nueva Zelanda
Amarillo	Floral, tropical, tons cítricos e laranja, doce.	Aroma	5.0 - 11%	6.0 - 7.0%	1.5 - 1.9	Cascade, Centennial, Summit, Ahtanum, Chinook, Simcoe	American Ale, American Amber e Pale Ale, OPI, India Pale Ale, Belgian India Pale Ale, Doble India Pale Ale, Porter, Scout	Estados Unidos
Bravo	Terroso, picante, floral e de frutas. Aromático e agradável.	Amargor	14 - 17%	3.0 - 5.0%	1.6 - 2.4	Apollo, Zeus, CTZ, Nugget	American India Pale Ale, American Amber e Pale Ale, American Ale	Estados Unidos
Brewer's Gold (UK)	Notas de groselha, resinoso, picante	Amargor	5.0 - 9.0%	2.5 - 3.5%	1.8 - 2.2	Bullion, Chinook, Galena, Northdown, Northern Brewer, Nugget	English Ale, Belgian Ale, French Ale, European Dark Lager, Lambic, Saison, Barleywine, Imperial stout, Bock, English Strong Ale, Scottish Strong Ale, English Bitter, Pale Ale, India Pale Ale, Porter	Reino Unido
Brewer's Gold (US)	Notas de groselha, frutado e especiarias.	Amargor	7.0 - 10%	3.5 - 4.5%	2.0 - 2.4	Bullion, UK Brewer's Gold, Galena, Northdown, Northern Brewer, Chinook, Nugget	English Ale, Belgian Ale, French Ale, Pilsner, Lambic, Saison, Barleywine, Imperial stout, Brown Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, English Bitter, Pale Ale, India Pale Ale, Porter, Scout	Estados Unidos
British Columbia Golding		Ambos	4.0 - 7.0%			East Kent Golding, Golding (American), Fuggle, Willamette	English Pale Ale, Stout, Porter	Canada
Cascade (US)	Floral, especiarias, frutas cítricas, laranja. Grande potencial de aroma e amargor equilibrado.	Ambos	4.0 - 7.0%	4.5 - 7.0%	0.7 - 1.5	Amarillo, Centennial, Columbus, Summit, Ahtanum	American Ale, Belgian Ale, French Ale, American Amber e Pale Ale, India Pale Ale, Porter, Barleywine, Imperial stout, Witbier, Pilsner, Brown Ale, Light Ale, Smoked Beer, Specialty Beer, Spice Beer, Scout	Estados Unidos
Celeia (Styrian)	Amargor moderado e agradável combinando com aroma floral.	Aroma	3.0 - 7.5%	2.0 - 3.3 %	0.6 - 3.6	Styrian Golding, Saaz, Styrian Bobek	English Ale, Belgian Ale, Extra Special Bitter (ESB), American Lager, European Dark Lager, European Pale Lager, German Amber Lager, Pilsner, Brown Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, English Bitter, Pale Ale, India Pale Ale, Light Ale	Eslovenia
Centennial	Média intensidade com notas cítricas, florais, picante.	Ambos	6.0 - 12%	3.5 - 5.0%	1.5 - 2.5	Amarillo, Challenger, Cascade, Columbus, Summit, Chinook, Green Bullet	American Amber e Pale Ale, Wheat, American Ale, Belgian Ale, French Ale, India Pale Ale, Barleywine, Imperial stout, Brown Ale, Light Ale, Porter, Smoked Beer, Specialty Beer, Spice Beer, Scout	Estados Unidos
Columbia		Ambos	5.0 - 12%	3.0 - 5.5%	0.5 - 1.6	Fuggle, Willamette	English Ale	Estados Unidos
Crystal	Picante e floral.	Aroma	2.0 - 6.0%	3.5 - 6.7%	0.8 - 2.1	French Strisselspalt, Hallertauer, Hersbrucker, Liberty, Mount Hood, Tettananger, Amarillo, Cascade, Centennial, Ultra	API, American Ale, Belgian Ale, American Lager, European Dark Lager, European Pale Lager, Kölsch, Extra Special Bitter (ESB), Pilsner, IPA, Pale Ale, Alt	Estados Unidos
Delta	Aroma suave e agradável que é um pouco picante, terroso e com uma pitada cítrica.	Aroma	5.5 - 7.0%	5.5 - 7.0%	0.5 - 1.1	Fuggle, Willamette	American Ale	Estados Unidos
East Kent Golding	Suave, aromático e agradável. Moderadamente picante. Moderadamente especiado	Ambos	4.0 - 7.0%	1.9 - 2.8%	0.4 - 1.0	U.K. Progress, U.S. Golding, Whitbread Golding Variety, Fuggle, Willamette, Sovereign, First Gold	English Ale, Stout, Porter, Lager, Belgian Ale, French Ale, Barleywine, Imperial stout, Brown Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, English Bitter, Pale Ale, India Pale Ale, Scout	Reino Unido
Falconer's Flight	Cítrico, frutado, picante e terroso.	Ambos	9.0 - 11%				India Pale Ale	Estados Unidos
Fuggle (UK)	Suave e agradável.	Ambos	3.5 - 6.0%	1.5 - 3.1%	0.7 - 1.4	Styrian Golding, U.S. Fuggle, Willamette, Newport, Progress, Sovereign, U.S. Tettananger	Extra Special Bitter (ESB), Bitter, Lager, Lambic, English Ale, Belgian Ale, French Ale, Barleywine, Imperial stout, Brown Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, English Bitter, Pale Ale, India Pale Ale, Porter, Scout	Reino Unido

<b>Galaxy</b>	Combinação de sabores cítricos e maracujá.	Ambos	11 - 14.8%	5.0 - 6.5%	2.4 - 2.7	CTZ, Chinook, Nugget, Tillicum, Citra	IPA, Doble IPA, Australian Ale	Australia
<b>Green Bullet</b>	Aroma de pinho, limão e uvas passas.	Amargor	9.0 - 15%	2.9 - 7.5%	0.4 - 1.2	Crystal, Hallertauer Tradition, Liberty, Mount Hood, Ultra, Pride of Ringwood, Centennial	American Lager, Australian Lager, Bitter, Irish, Dry Stout, Bock, European Pale Lager, German Amber Lager, Wheat	Nueva Zelanda
<b>Greenburg</b>		Aroma	3.5 - 5.5%	6.5 - 8.5%				Estados Unidos
<b>Hallertau Aroma</b>	Com um floral distintivo e ligeiramente cítrico.	Ambos	6.5 - 11%	5.8 - 8.5%	0.9 - 1.1	Perle, Hallertauer Mittelfrüh, Hersbrucker, Tettnaggen	American Lager, European Dark Lager, European Pale Lager, German Amber Lager, Pilsner, Bitter, Ale, Bock, Kölsch, Altbier, Wheat	Nueva Zelanda
<b>Hallertauer</b>	Muito suave, ligeiramente floral e ligeiramente picante.	Aroma	3.5 - 5.5%	3.5 - 5.5%	0.6 - 1.5	Hallertauer Tradition, Liberty, Mount Hood, Tettnaggen, Ultra, Vangaurd, German Hallertau, Hallertauer Mittelfrüh	American Lager, Pilsner, Bock, Munich Helles, Belgian Lambic, Sour Ale, Belgian Strong Ale, European Pale Lager, German Amber Lager, Kölsch, Altbier, Wheat	Estados Unidos
<b>Hallertauer Merkur</b>	Aroma terroso, mas cítrico, com tons florais e picante.	Ambos	10 - 15%	3.5 - 7.0%	1.4 - 2.8	German Magnum, Taurus, German Tradition	Lager	Alemania
<b>Hallertauer Tradition</b>	Média intensidade de aroma com tons florais e ervas.	Aroma	3.5 - 7.0%	3.0 - 6.0%	0.5 - 1.9	Crystal, Liberty, Hallertauer Mittelfrüh, Ultra, Hersbrucker, Mount hood	American Lager, Pilsner, Bock, Wheat, Belgian Lambic, Sour Ale, Belgian Strong Ale, European Pale Lager, German Amber Lager, Fruit Beer, Kölsch, Altbier, Light Ale, Smoked Beer	Alemania
<b>Harmonie</b>	Agradável e picante.	Aroma	4.0 - 8.0 %	4.0 - 8.0 %	1.0 - 2.0		Pilsner, Lager, Ale	Republica Checa
<b>Herald</b>	Combina seu poder de amargor com um caráter cítrico.	Amargor	9.0 - 13%	4.8 - 5.5%	1.0 - 1.9	Pioneer, Target	Ale, English Bitter, Pale Ale, Brown Ale, English Strong Ale, Scottish Strong Ale	Reino Unido
<b>Hercules</b>	Aroma com média intensidade picante.	Amargor	12 - 17%	4.0 - 5.5%	1.6 - 2.4		Pilsner, Lager, Ale, Stout, Alt	Alemania
<b>Hersbrucker (hallertauer)</b>	Floral e ligeiramente frutado. Floral e levemente afrutado	Aroma	1.5 - 5.5%	2.5 - 6.0%	0.5 - 1.3	French Strisslespalt, Mount Hood, Hallertauer Mittelfrüh, Liberty	American Lager, Pilsner, Bock, Wheat, Belgian Ale, Kölsch, Altbier, Munich Helles, Belgian Lambic, Sour Ale, Belgian Strong Ale, European Pale Lager, German Amber Lager, Fruit Beer, Light Ale, Smoked Beer	Alemania
<b>Hersbrucker Pure</b>		Aroma	4.7 - 6.0%	2.0 - 3.0%	0.6 - 1.2	Hersbrucker, Hallertauer Mittelfrüh	Pilsner, Wheat, Lager	Alemania
<b>Hüller Bitterer</b>		Ambos	4.5 - 7.0%	4.5 - 5.5%	1.0 - 1.5		Schwarzbier, Lager	Alemania
<b>Magnum Hallertauer (US)</b>	Conhecido pelo seu poder de amargor e qualidade.	Amargor	10 - 14%	4.5 - 7.0%	1.9 - 3.0	German Magnum, CTZ, Nugget, Taurus, Horizon	American Amber, English Bitter, Pale Ale, Belgian Ale, French Ale, American Lager, European Dark Lager, Barleywine, Imperial stout, Belgian Lambic, Sour Ale, Belgian Strong Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, Bock, Brown Ale, European Pale Lager, German Amber Lager, Fruit Beer, India Pale Ale, Kölsch, Altbier, Light Ale, Porter, Smoked Beer, Specialty Beer, Spice Beer, Scout, Wheat	Estados Unidos
<b>Magnum Hallertauer (GE)</b>	Forte Amargor. Notas florais leves e frutadas.	Amargor	11 - 16%	5.0 - 7.0 %	1.6 - 2.6	Horizon, Newport, Northern Brewer, Pilgrim, Target, Taurus, Northdown, Columbus, Nugget, US Magnum, Galena	American Lager, European Dark Lager, Pilsner, Stout, German Ale, Belgian Ale, French Ale, Kölsch, Altbier, Barleywine, Imperial stout, Belgian Lambic, Sour Ale, Belgian Strong Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, Bock, Brown Ale, English Bitter, Pale Ale, European Pale Lager, German Amber Lager, Fruit Beer, India Pale Ale, Light Ale, Porter, Smoked Beer, Specialty Beer, Spice Beer, Scout, Wheat	Alemania
<b>Marynka</b>	Nova variedade de lúpulo com aroma intenso.	Ambos	7.0 - 12%	10.2 - 13%	1.6 - 2.2	Northern Brewer, Tettnaggen, Perle, Chinook, English Golding	European Dark Lager, Wheat, Ale, European Pale Lager	Polonia
<b>Millenium</b>	Suave e herbal, como Nugget.	Amargor	12 - 16.5%	4.3 - 5.3%	1.8 - 2.2	Nugget, Columbus, CTZ, Summit	American Lager, American Ale, Stout, Barley wine, European Pale Lager	Estados Unidos
<b>Motueka</b>	Lúpulo com aroma fresco de limão e frutas tropicais.	Aroma	5.0 - 7.5%	5.0 - 5.5%	0.7 - 0.9	Czech Saaz, U.S. Saaz, Sterling	Belgian Ale, English Ale, Pilsner, European Dark Lager, Bock, European Pale Lager, German Amber Lager	Nueva Zelanda
<b>Mount Hood</b>	Agradável e suave, com um pouco de notas picante e resinosas.	Aroma	3.0 - 8.0%	4.0 - 8.0%	1.0 - 1.7	Crystal, French Strisslespalt, Hersbrucker, Hallertauer, Tettnaggen, Liberty, Hallertauer Mittelfrüh, Ultra	American Lager, European Lager, Pilsner, Bock, Wheat, Kölsch, Altbier, Helles Munich, Belgian Lambic, Sour Ale, Belgian Strong Ale, European Pale Lager, German Amber Lager, Fruit Beer, Light Ale, Smoked Beer	Estados Unidos

<b>Mount Rainier</b>	Nobre aroma floral e cítrico.	Ambos	5.0 - 8.1%	5.0 - 7.0%	0.2 - 0.5	Hallertauer, Fuggle	American Ale, Lager, Porter	Estados Unidos
<b>Nelson Sauvin</b>	Lúpulo único, com sabor e aroma frutado, groselha, maracujá, cítrico.	Ambos	11 - 14%	6.0 - 8.0%	1.0 - 1.2		Belgian Ale, French Ale, Premium Lager, American Ambe, English Bitter, Pale Ale, Barleywine, Imperial stout, India Pale Ale, Porter, Scout	Nueva Zelanda
<b>Newport</b>	Suave e bastante picante.	Amargor	13 - 17%	7.2 - 9.1%	1.6 - 3.6	Galena, Nugget, Fuggle, Magnum, Brewer's Gold	American Lager, American Amber, English Bitter, Pale Ale, Belgian Ale, French Ale, Stout, Barleywine, Imperial stout, Brown Ale, India Pale Ale, Porter, Specialty Beer, Spice Beer, Scout	Estados Unidos
<b>Northdown</b>	Frutado com um sabor picante.	Ambos	6.0 - 10%	3.6 - 6.2%	1.2 - 2.5	Admiral, Challenger, Northern Brewer, Perle (GR), Galena, Magnum	Belgian Ale, French Ale, Porter, English Strong Ale, Scottish Strong Ale, Scottish Ale, Dry Stout, Barleywine, Imperial stout, Brown Ale, English Bitter, Pale Ale, India Pale Ale, Porter, Scout	Reino Unido
<b>Nugget (GE)</b>	Agradáveis notas de herbal, doce.	Ambos	9.0 - 13.5%	3.0 - 5.8%	0.9 - 1.3	Chinook, Cluster, Columbus, Galena, U.K. Target, Brewers Gold, Warrior, Eroica, Millenium, Magnum, Northern Brewer,	Light lager, Barleywine, Imperial stout, Belgian Ale, French Ale, Brown Ale, India Pale Ale, Porter, Smoked Beer, Specialty Beer, Spice Beer, Scout, Wheat	Alemania
<b>Olympic</b>	Aroma de suave a médio com notas cítricas e picante.	Amargor	10 - 13%	3.8 - 6.1%	0.9 - 2.6	Chinook, Brewer's Gold	American Lager, American Amber e Pale Ale, Barleywine, Imperial stout, Belgian Ale, French Ale, Bock Brown Ale, India Pale Ale, Porter, Smoked Beer, Specialty Beer, Spice Beer, Scout, Wheat	Estados Unidos
<b>Pacific Sunrise</b>	Notas de madeira e pinho.	Amargor	12.5 - 14.5%	6.0 - 6.5%	1.7 - 2	Pacific Gem	Lager, Black Lager, Rye Ale, American Lager, American Pale Ale, Red Ale, Stout, Porter, Barley wine	Nueva Zelanda
<b>Perle (GE)</b>	Floral, frutado e ligeiramente picante.	Ambos	4.0 - 10%	2.5 - 5.5%	0.8 - 1.3	Northdown, First Gold, Challenger, Northern Brewer, U.S. Perle, Hallertauer Mittelfrüh, Hallertau Aroma	American Amber, English Bitter, Pale Ale, Porter, Stout, German Amber Lager, European Dark Lager, Pilsner, Wheat, Belgian Ale, French Ale, Kölsch, Altbier, Munich Helles, Barleywine, Imperial stout, Belgian Lambic, Sour Ale, Belgian Strong Ale, Bock, Brown Ale, European Pale Lager, Fruit Beer, India Pale Ale, Light Ale, Smoked Beer, Spice Beer, Scout	Alemania
<b>Pride of Kent</b>		Ambos	8.0 - 11%	6.0 - 8.0%	1.6 - 2.5			Reino Unido
<b>Pride of Ringwood</b>	Madeira, terroso e ervas.	Ambos	7.0 - 10.5%	4.0 - 6.0%	0.9 - 2.0	Cluster, Galena, Kent Goldings, Centennial	American Amber, English Bitter, Pale Ale, Australian Lager, Barleywine, Imperial stout, Belgian Ale, French Ale, India Pale Ale, Porter, Scout	Australia
<b>Progress</b>	Moderadamente forte e com bom aroma.	Ambos	4.0 - 7.5%	2.0 - 2.8%	0.6 - 1.2	Fuggle, U.K. Kent Golding, Whitbread Goldings Variety	English Ale, Belgian Ale, French Ale, English Bitter, Pale Ale, Extra Special Bitter (ESB), Porter, Barleywine, Imperial stout, Brown Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, India Pale Ale, Scout	Reino Unido
<b>Rubin</b>		Amargor	10 - 14%	4.0 - 6.0%	1.0 - 2.0			Republica Checa
<b>Saaz (CH)</b>	Muito suave e com notas levemente picantes.	Aroma	2.8 - 5.0%	3.3 - 7.0%	0.4 - 0.8	U.S. Saaz, Sladek, Lublin, Sterling, Ultra, Vangaurd, Tettannger, Lubelski	Pilsner, American Lager, European Dark Lager, Belgian Ale, Belgian Lambic, Sour Ale, Bitter, Belgian Strong Ale, Bock, European Pale Lager, German Amber Lager, Fruit Beer, Kölsch, Altbier, Light Ale, Smoked Beer, Wheat	Republica Checa
<b>Saaz (US)</b>	Suave e agradável, com notas terrosa e picante.	Aroma	3.0 - 6.0%	3.0 - 4.5%	0.5 - 1.0	Czech Saaz, Polish Lublin, Tettannger, Ultra, Sterling	Pilsner, American Lager, European Dark Lager, Wheat, Belgian Ale, Belgian Lambic, Sour Ale, Belgian Strong Ale, Bock, European Pale Lager, German Amber Lager, Fruit Beer, Kölsch, Altbier, Light Ale, Smoked Beer	Estados Unidos
<b>Saphir (Sapphire)</b>	Aroma suave, com notas florais e frutado.	Aroma	2.0 - 5.0%	4.0 - 7.0%	0.8 - 1.5	Hallertauer Mittelfrüh	Pilsner, American Lager, European Dark Lager, Belgian Ale, Belgian Lambic, Sour Ale, Belgian Strong Ale, Bock, European Pale Lager, German Amber Lager, Fruit Beer, Kölsch, Altbier, Light Ale, Smoked Beer, Wheat	Alemania
<b>Satus</b>	Conhecido pelo seu amargor e propriedades aromáticas.	Amargor	12.5 - 14%	8.5 - 9.0%	1.5 - 2.8	Galena, Nugget, Pride of Ringwood, Chinook	American Amber, English Bitter, Pale Ale, Barleywine, Imperial stout, Belgian Ale, French Ale, Brown Ale, India Pale Ale, Porter, Specialty Beer, Spice Beer, Scout	Estados Unidos
<b>Savinjski Golding</b>	Aroma suave e sabor nobre.		2.8 - 5.5%			Saaz, Fuggle, Tettannger	Ale, Lager, Pilsen, IPA	Eslovenia
<b>Sorachi Ace</b>	Lúpulo de amargor com aromas que lembram limão siciliano, raspas de casca de limão e coentro	Aroma	10 - 16%	6.0 - 7.0%	1.2 - 2.8		American Lager, German Amber Lager, Belgian Wit, India Pale Ale, American Amber e Pale Ale, Belgian Saison, Asian Lager, Brown Ale, English Strong Ale, Scottish Strong Ale, Fruit Beer, Light Ale, Specialty Beer, Spice Beer, Wheat	Japón
<b>Southern Brewer</b>		Amargor	5.6 - 12%	2.8 - 5.0%	0.4 - 1.5	Southern Promise	Pilsner, Pale Ale	South Africa
<b>Southern Cross</b>	Pinho, com amargor resinoso.	Ambos	11 - 14%	5.0 - 6.0%	0.5 - 1.2	Northern Brewer, Chinook	American Lager, European Dark Lager, Lager light, Barleywine, Imperial stout, Belgian Ale, French Ale, Brown Ale, English Strong Ale, Scottish Strong Ale, European Pale Lager, German Amber Lager, India Pale Ale, Kölsch, Altbier, Porter, Scout	Nueva Zelanda

<b>Sovereign</b>		Aroma	4.0 - 7.0%			Fuggles	Estilos ingleses	Reino Unido
<b>Spalt</b>	Suave e agradável, com notas frutadas, florais e ligeiramente picante.	Aroma	2.5 - 5.5%	3.0 - 5.0%	0.5 - 1.1	German Spalt Select, U.S. Saaz, Santiam, Liberty, Tettnanger, Hallertau	American Lager, European Dark Lager, Pilsner, Bock, Kölsch, Altbier, Munich Helles, Belgian Lambic, Sour Ale, Belgian Strong Ale, European Pale Lager, German Amber Lager, Fruit Beer, Light Ale, Smoked Beer, Wheat	Alemania
<b>Spalt Spalter</b>		Aroma	2.5 - 6.0%	3.0 - 5.0%	0.5 - 0.9	Tettnanger, Saaz Saazer, Hallertau Hallertauer Mittelfruh, Saaz (Czech)	Lager	Alemania
<b>Sterling</b>	Ervas, picante, com aroma floral e cítrico.	Aroma	4.5 - 9.0%	4.0 - 6.0%	0.6 - 1.9	Saaz, Lublin, Mount Hood	American Ale, American Lager, European Dark Lager, Pilsner, Belgian Ale, Belgian Lambic, Sour Ale, Belgian Strong Ale, Bock, European Pale Lager, German Amber Lager, Fruit Beer, Kölsch, Altbier, Light Ale, Smoked Beer, Wheat	Estados Unidos
<b>Styrian Golding</b>	Notas cítricas, florais, ervas, especiarias.	Aroma	2.8 - 6.0%	1.8 - 4.1 %	0.3 - 1.7	U.K. Fuggle, U.S. Fuggle, Willamette, Tradition, Select Spalt, Styrian Bobek	English Ale, Extra Special Bitter (ESB), American Lager, European Dark Lager, Pilsner, Belgian Ale, Brown Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, English Bitter, Pale Ale, European Pale Lager, India Pale Ale, Porter, Scout	Eslovenia
<b>Super Galena</b>	Aroma e amargor agradável. Notas cítricas.	Ambos	13 - 16%	8.0 - 10%	1.5 - 2.5	Galena		Estados Unidos
<b>Swiss Tettnanger</b>		Aroma				Tettnang Tettnanger, Fuggle, Czech Saaz, Spalt Spalter, Ultra	Lager, Wheat	Suíça
<b>Target</b>	Aroma agradável e intenso.	Ambos	8.0 - 13%	4.3 - 5.7%	1.2 - 2.6	Admiral, Fuggle, Nugget, Willamette, Pilgrim, Magnum, Northdown, Progress	American Amber, English Bitter, Pale Ale, English Ale, Belgian Ale, French Ale, American Lager, European Dark Lager, Barleywine, Imperial stout, Belgian Lambic, Sour Ale, Belgian Strong Ale, English Strong Ale, Scottish Strong Ale, Scottish Ale, Bock, Brown Ale, European Pale Lager, German Amber Lager, Fruit Beer, India Pale Ale, Kölsch, Altbier, Light Ale, Porter, Smoked Beer, Specialty Beer, Spice Beer, Scout, Wheat, American Stout	Reino Unido
<b>Taurus (Hallertauer)</b>	Nobre qualidade de aroma e amargor.	Amargor	12 - 17%	4.0 - 6.0 %	0.9 - 1.4	Magnum, Citra, German Tradition	German Ale, Lager	Alemania
<b>Tettnanger (GE)</b>	Suave e agradável, ligeiramente picante e herbal.	Aroma	2.5 - 6.0%	3.0 - 5.0%	0.5 - 0.9	German Spalt, German Spalt Select, Saaz, U.S. Tettnanger, Hallertau, Liberty, Fuggle, Santiam, Hersbrucker, Ultra	American Lager, European Dark Lager, Ale, Pilsner, Wheat, Belgian Lambic, Sour Ale, Kölsch, Altbier, Munich Helles, Belgian Ale, Belgian Strong Ale, Bock, European Pale Lager, German Amber Lager, Fruit Beer, Light Ale, Smoked Beer	Alemania
<b>Tettnanger (US)</b>	Suave e ligeiramente picante.	Aroma	3.4 - 5.2%	3.0 - 4.5%	0.4 - 0.8	Czech Saaz, German Spalt, Spalt Select, Santiam, German Tettnanger, Lublin, Ultra, Fuggle	Pilsner, American Lager, European Dark Lager, Wheat, American Ale, Belgian Lambic, Sour Ale, Belgian Strong Ale, Bock, European Pale Lager, German Amber Lager, Fruit Beer, Kölsch, Altbier, Light Ale, Smoked Beer	Estados Unidos
<b>Topaz</b>	Frutado forte e agradável.	Aroma	15 - 18%	6.0 - 7.0%	0.8 - 1.7			Australia
<b>Yakima Cluster</b>		Amargor	5.5 - 8.5%	4.5 - 5.5%	0.4 - 0.8	Chinook	American Amber e Pale Ale, Barleywine, Imperial stout, Belgian Ale, French Ale, Brown Ale, India Pale Ale, Porter, Smoked Beer, Specialty Beer, Spice Beer, Scout, Wheat	Estados Unidos
<b>Zeus</b>	Agradável com notas terreas, cítricas e picantes.	Amargor	12 - 18%	4.0 - 6.5%	1.0 - 2.5	Columbus, Nugget, Galena, Chinook, CTZ	American Amber e Pale Ale, Barleywine, Imperial stout, Belgian Ale, French Ale, Brown Ale, India Pale Ale, Porter, Smoked Beer, Specialty Beer, Spice Beer, Scout, Wheat	Estados Unidos