



Dear Friends,

We are happy to offer you more than 100 varieties of hops from all over the world, as well as provide basic recommendations on hops use and possible substitutes.

*Sincerely yours,
The Castle Malting Team*





CONTENTS

- *Aroma Hops.....3 - 6*
- *Bittering Hops.....7 - 10*
- *Dual Purpose Hops.....11 - 12*
- *Our Contacts*

*Malt is the soul of beer... and yeast gives it life..
but the kiss of the hop is the vitality of that life!*

www.castlemalting.com



Belgian Malts that Make Your Beer So Special

AROMA HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Ahtanum	5 - 8	USA	Cascade Amarillo	Lager, American Ales
Amarillo	7 - 11	USA	Cascade Centennial	American Ales, IPA
Amethyst	3.5 - 6	The Czech Rep.	Saaz	Pale Ales, Lagers, Stouts
Aquila	6.5	USA	Cluster	no longer grown
Aurora (Super Styrian)	6.5 – 9.5	Slovenia	Perle Sladek	Lager, Pilsen
Beata	5 - 7	UK	Belma Boadicea	Lager, Pilsen
Bobek	2 - 5	Slovenia	Cascade Smaragd	Ale, Stout, Lager, Pils
Bouclier	7 - 9	France	Tradition Select Spalt Tettninger	Pilsner, Lager, Ales, Belgian style, Saison, Bière de Garde
Bramling Cross	5 - 7	UK	Willamette	Ales, especially Christmas Ales
Cascade	5 - 9	USA	Centennial Amarillo	American-Style Ales, especially Pale Ale, IPA, Porter, Barley Wines, can also be used in Witbier
Citra	11 - 14	USA	Fuggle Willamette Golding	IPA, strong American and Belgian Ales
Cobbs (Golding clone)	4.4 - 6.7	UK	East Kent Goldings	Traditional ales, IPA
Crystal	3 - 6	USA	Mount Hood Liberty	Pilsner, Lager, Kölsch, ESB, Alt, Belgian-Style Ales
Delta	4 - 7	USA	Fuggle Willamette	IPA
Early Bird (Golding clone)	4 - 6	UK	Goldings	Traditional Ales, IPA
East Kent Goldings	5 - 8	UK	Goldings Sovereign Progress	All English style Ales, Belgian-Style Ales, Stout, Porter, most Lagers



Belgian Malts that Make Your Beer So Special

AROMA HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Eastwell Golding (Golding clone)	5 - 8	UK	East Kent Goldings	All English style Ales, Belgian-Style Ales, Stout, Porter, most Lagers
Ella (ex. Stella)	14 - 16	Australia	Delta Citra	Wide range of beer styles
Endeavour	05-Sep	UK	Northern Brewer	English Ales, Lagers
Flyer	9 - 12	UK	Bramling Cross	IPAs, ESBs
Fuggles	4 - 7	UK	Willamette Progress Sovereign Golding	All English style Ales, ESB, Bitter, Lager, and Lambic
Fuggles	4 - 5.5	USA	UK Fuggle Willamette Styrian Golding	Any English-style beer or American Ales, Lambic
Glacier	4 - 7	USA	Willamette Golding Fuggle	Pale Ale, ESB, Bitter, English-Style Pale Ale, Porter, Stout
Goldings	4 - 8	USA	East Kent Golding Progress	All English-style beers, especially all Bitters and Pale Ale, Belgian-Style Ales, Barley Wine
Hallertauer	3.5 - 5.5	USA	Liberty Tradition	Lager, Pilsner, Bock, Wheat, Kölsch, Munich Helles, Belgian-Style Ales
Hallertauer Hersbrucker	2 - 4	Germany	Strisselspalt Haller. Mittelfruh	Lager, Pilsner, Bock, Weizen Bock, Wheat, Belgian-Style Ales, Kölsch, Munich Helles
Hallertauer Mittelfruh	3 - 6	Germany	Hersbrucker	Traditional German beers
Harmonie	4 - 8	The Czech Rep.	-	-
Hersbrucker Pure	4.7	Germany	Strisselspalt	Traditional German beers
Hersbrucker Spät	2 - 4.5	Germany	Strisselspalt	Traditional German beers
Jester	6 - 8	UK	Challenger	IPAs, English Ales
Kazbek	5 - 8	The Czech Rep.	Saaz Sterling	Pilsners, Lagers, Belgian Ales
Liberty	3 - 5	USA	Tradition Mount Hood Crystal	Lager, Pilsner, Bock, US Wheat, Kölsch





Belgian Malts that Make Your Beer So Special

AROMA HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Lubelski (Lublin)	3 - 5	Poland	Saaz Styrian Golding	European Lagers
Mandarina Bavaria	8.5 - 10.5	Germany	Nugget Columbus	Pilsner, Lagers, Wheat, Belgian Style Saison
Minstrel	6 - 8	UK	-	Summer Lagers
Mosaic	11 - 14	USA	Simcoe Nugget CTZ	American Pale Ale, American IPA, Blonde Ale, Cream Ale
Motueka	5 - 8	New Zealand	Saaz Sterling	Traditional Pilsener styles, traditional European and English Ales
Mount Hood	4 - 7	USA	Crystal Hall. Hersbrucker Strisselspalt	Lager, Pilsner, Bock, US Wheat, Alt, Munich Helles
Opal	5 - 8	Germany	Tettnang East Kent Golding Styrian Savinjski Golding	German Wheat beers, summer Ales, Helles, light European Lagers, light Ales, Saisons, and Belgian Ales
Pacifica (Pacific Hallertau)	4 - 8	New Zealand	Hall. Hersbrucker	Traditional German Lager styles
Palisade	6 - 10	USA	Cascade	English-style Pale Ales
Perle	6 - 9	Germany	Northdown First Gold Northern Brewer	Pale Ale, Porter, Stout, Lager, Pilsner, Weizen, Ale, Alt, Kölsch, Munich Helles
Polaris	19 - 23	Germany	-	Lagers, Ales, Pale Ales, IPAs
Progress	4 - 8	UK	Goldings Fuggles	Ale, Bitter, ESB, Porter
Riwaka	5 - 8	New Zealand	Saaz	Suitable where traditional Saazer types would be employed
Saaz	2 - 5	The Czech Republic	Tettnang Lubelski	Pilsner, Lagers, Belgian-Style Ales, Lambic, sometimes Bitter
Santiam	4 - 7	USA	Tettnang Select Spalt	Lager, US Ales, Pilsner, Belgian Tripel and other Belgian-Styles, Kölsch, Bock, Munich Helles
Saphir	2 - 4.5	Germany	Any noble hop	Pilsen, German Lagers, Belgian Whites





Belgian Malts that Make Your Beer So Special

AROMA HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Savinjski Golding	2 - 4	Slovenia	Saaz Fuggle Tettnang	Ale, Lager, Pilsen, IPA
Select Spalt (Spalter Select)	2 - 5	Germany	Tettnang Saaz	German, continental European, and American Lagers
Smaragd	4 - 6	Germany	Hallertau Mittelfruh	Ale, Belgian Pale Ales, Imperial Pilsners
Sonnet	3 - 6	USA	Golding	Light Beer
Sovereign	4 - 7	UK	Fuggles Goldings	Any traditional English beer styles
Spalter	2.5 - 5.5	Germany	Select Spalt	Lager, Pilsner, Bock, Alt, Kölsch, Munich Helles
Sterling	5 - 9	USA	Saaz	Pilsner and other Lagers, Ales and Belgian-Style Ales
Strisselspalt	2 - 5	France	Hall. Hersbrucker	Pilsner, Lager, Wheat
Styrian Golding (Celeia)	3 - 6	Slovenia	Tradition Select Spalt	Ale, Stout, Lager, Pilsen
Styrian Golding -B	3.5 - 6.5	Slovenia	Cascade Smaragd	Ale, Stout, Lager, Pilsen
Summer	4 - 7	Australia	Belma Palisade	Pale Ales, Light Mild and IPA's, British and Belgian style Blonde Ales, Triples
Sussex	4 - 7	UK	Fuggles	English Ales, Pale Ales, belgian Ales
Tettnang	4 - 7	Germany	Saaz Select Spalt	Lager, Ale, Pilsner, Weizen, Lambic, Alt, Kölsch, Munich Helles
Topaz	15 - 18	Australia	Summit Apollo	Rakau, Ella, Summit, Columbus
Tradition	4 - 7	Germany	Hall. Hersbrucker	Lager, Pilsner, Bock, Wheat, Weizen
Triskel	8 - 9	France	Chinook Centennial	Strisselspalt
Ultra	4.5 - 5	USA	Saaz Hallertauer	Bohemian Pilsen, European-style Lager
Vanguard	5 - 7	USA	Hall. Hersbrucker Mount Hood Liberty	Lager, Pilsner, Bock, Kölsch, Wheat, Munich Helles, Belgian-Style Ales
Vital	9 - 12	The Czech Rep.	Saaz Styrian Gold	Pale Ales, Belgian Ales, IPAs
Wai-Iti	2 - 4	New Zealand	Saaz Riwaka	Golden Ale, Blond Ale
Whitbreads Golding Variety (WGV)	5 - 8	UK	Goldings Sovereign Challenger	English Ales
Willamette	4 - 7	USA	Bramling Cross Fuggles	All English-style Ales, and US Pale and Brown Ales



Belgian Malts that Make Your Beer So Special

BITTERING HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Admiral	14 - 16	UK	Target Pilgrim Magnum	English Ale
Agnus	12 - 14	The Czech Rep.	Horizon Nugget Magnum	Lagers and German Ales
Apollo	15 - 19	USA	Magnum Columbus	American Ales
Archer	4 - 6	UK	Summer	Lagers, Ales
Atlas	5 - 9	Slovenia	Aurora Styrian Golding	Pale Ales, Belgian Ales
Bravo	14 - 18	USA	Nugget	American IPA, Pale Ale
Brewers' Gold	5 - 9	Germany	Pioneer Northdown	Ale, Heavier German Style Lagers, Lambic
Bullion	8 - 11	UK	Columbus Northern Brewer Brewers Gold	IPA, ESB, Stout
Chelan	12 - 14.5	USA	Galena Nugget	American Ales, Pale Ales
Columbus (Tomahawk)	14 - 20	USA	Nugget Simcoe Chinook	US IPA, US Pale Ale, Stout, Barley Wine, Lager
Comet	9 - 11	USA	Galena Summit	American ales, Lagers
Eroica	7 - 15	USA	Northern Brewer	Bitters, Porter
Galena	10 - 14	USA	Nugget Target	Most English-style and American Ales
Green Bullet	10 - 13	New Zealand	Centennial	Lager, Bitter, Irish-Style Dry Stout
Herkules	16 - 20	Germany	Warrior	Pilsners, German-style Lagers, Alt
Horizon	11 - 13	USA	Magnum	All Ales and Lagers
Junga	10 - 13	Poland	Target Nugget Galena	Ales and Lagers, Stout, IPA





Belgian Malts that Make Your Beer So Special

BITTERING HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Magnum	11 - 15	USA	Columbus Horizon Nugget German Magnum	Lagers
Magnum	11 - 15.5	Germany Slovenia	Pilgrim Target Extra Styrian Dana	Lagers, Pilsner types, Stout, Ales. Typically for base bitterness in Lagers
Marynka	8 - 10	Poland	Perle Hersbrucker Strisselspalt Northern Brewer Magnum Brewers Gold	Pilsen, Lager, Pale Ale, Porter
Millenium	12 - 16	USA	Nugget Columbus	Ales, Stout, Barley Wine
Newport	13 - 17	USA	Galena Nugget Fuggle Magnum	Ales, Stout, Barley Wine
Northdown	6 - 9	UK	Northern Brewer Challenger	All Ales, Porter
Northern Brewer	5 - 9	Germany	Northdown, Challenger	ESB, Bitter, English Pale Ale, Porter, Lager, Lambic, Munich Helles
Nugget	10 - 14	USA	Galena Target Magnum	Ales, Stout, Barley Wine
Olympic	10 - 14	USA	Chinook	American-style Ale
Pacific Gem	13 - 18	New Zealand	Cluster	Wide range of beer styles, English Bitter and Stout
Pacific Jade	12 - 14	New Zealand	Pacific Gem	Ales, Lagers
Phoenix	9 - 12	UK	Challenger	English Ales
Pilgrim	9 - 12	UK	Target Admiral	All English-style beers
Pilot	7 - 10	UK	Galena	Bitters, IPAs, APAs
Pioneer	9 - 12	UK	Brewers Gold East Kent Goldings	English Ale Styles
Pride of Ringwood	9 - 12	Australia	Galena Cluster	Australian Lagers





Belgian Malts that Make Your Beer So Special

BITTERING HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Southern Cross	11 - 14	New Zealand	Northern Brewer Chinook	Light Lagers
Summit	13 - 15	USA	Columbus Simcoe	American IPA, Imperial IPA
Target	9 - 12	UK	Pilgrim Admiral Magnum	All Ales and Lagers
Tillicum	12 - 14.5	USA	Galena Chelan	-





Belgian Malts that Make Your Beer So Special

DUAL PURPOSE HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Aramis	6 - 8	France	Willamette Challenger Ahtanum	Pilsner, Lagers, Wheat, Belgian Style Saison
Belma	12.1	USA	-	Session IPAs, Blondes, Wheats, Belgian Ales, Pale Ales, Pilsners
Boadicea	6 - 9	UK	Green Bullet Cascade Columbus Chinook	Bitters
Calypso	11 - 14	USA	Cascade Belma	Ales, Stouts and Barley Wines
Centennial	7 - 12	USA	Green Bullet Cascade Columbus Chinook	All US Ale styles, US Wheat beers
Challenger	5 - 9	UK	Northdown Northern Brewer First Gold	English style Ale, Porter, Stout, ESB, Bitter, Barley Wine, Brown Ales
Chinook	11 - 15	USA	Columbus Simcoe	US Style Pale Ale, IPA, Stout, Porter, Barley Wine, Lager (Bittering)
Cluster	6 - 9	USA	Willamette Galena	Ale (Aroma), Lager (Bittering), Stout
Dr Rudi	11 - 14	New Zealand	Green Bullet	Ale
El Dorado	13 - 17	USA	Galena	Imperial IPA
Extra Styrian Dana	9 - 13	Slovenia	Bobek Celeia	Pale Ales, Belgian Ales
First Gold	6 - 9	UK	Boadicea Northdown Challenger	Ale, ESB
Galaxy	13 - 15	Australia	Citra Cascade Riwaka Amarillo	American Pale Ale, Amber, IPA



Belgian Malts that Make Your Beer So Special

DUAL PURPOSE HOPS

VARIETY	ALPHA ACID, %	ORIGIN	ALTERNATIVE	RECOMMENDED USE
Nelson Sauvin	10 - 13	New Zealand	Pacific jade	American Pale Ale and Super Premiums, Craft and Seasonal beers
Premiant	6 - 10	The Czech Republic	Magnum Perle Northern Brewer Marynka Sybilla Perle	Ales and Lagers
Rakau	11 - 14	New Zealand	Admiral Amarillo Summit	Pale Ales, ESB, and IPA
Simcoe	11 - 15	USA	Columbus	American Ales
Sladek	6 - 8	The Czech Republic	Strisselspalt Sybilla Mount Hood Crystal	Ales and Lagers
Sorachi Ace	10 - 14	USA	Warrior Simcoe Columbus	American Ales, Pale Ales, Wheat
Sticklebract	12 - 15	New Zealand	Northern Brewer	Pale Ale
Super Alpha	10 - 12	New Zealand	-	Ales and Lagers
Sybilla	6 - 8	Poland	Challenger Progress Perle Northern Brewer Magnum Nugget	Ales and Lagers
Waimea	16 - 19	New Zealand	Pacific Jade	IPA, Imperial-style Lager
Wakatu (ex. Hallertauer Aroma)	7 - 10	New Zealand	Hallertau Mittelfruh	Premium Lagers
Warrior	13 - 15	USA	Nugget Columbus Magnum	Bitter American Ales



Belgian Malts that Make Your Beer So Special

Castle Malting is happy to offer you all the ingredients for brewing quality beer:

- more than 70 types of base and specialty malts
- more than 100 hops varieties from all over the world
- spices for very special beers
- Belgian candy sugars

And caps to crown your beer bottles!

You are always welcome to our microbrewery where you can taste true Belgian beer brewed from our malts as well as test our malts in your beer recipes

94 Rue de Mons,
7970 BELOEIL, BELGIUM

Tel. +32 87 66 20 95

Fax +32 87 35 22 34

E-mail: info@castlemalting.com

www.castlemalting.com

