

# HOPS, MALT & BREWING SUPPLIES



HOP FACTORS & MERCHANTS  
SINCE 1865

## CHARLES FARAM

PORTLAND • YAKIMA • TORONTO • WORCESTER






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[www.wellhopped.com](http://www.wellhopped.com)


# HOP VARIETY LIST


Country of Origin	Variety	Approx. Alpha	Cohumulone as % of a.a.	Characteristics	Flavor Intensity
 AMERICAN VARIETIES	AMARILLO®	7 - 11	21 - 24	Orange, peach, pink grapefruit	9
	APOLLO™	15 - 19	24 - 28	Resinous, pine, lemon	8
	AZACCA®	14 - 16	38 - 45	Mango, orange, pine	9
	BELMA®	9 - 12	28 - 35	Strawberry, melon, pineapple	7
	BRAVO™	14 - 18	29 - 34	Resinous, pine, plum	8
	CALYPSO™	11 - 14	40 - 42	Pear, apple, peach	8
	CASCADE	5 - 9	33 - 40	Lychees, floral, grapefruit	8
	CASHMERE	7 - 10	22 - 24	Peach, lemon, tangerine	8
	CENTENNIAL	7 - 12	29 - 30	Lemon, floral, resinous	9
	CHINOOK	11 - 15	29 - 35	Grapefruit, lemon, pine	9
	CITRA®	11 - 14	22 - 24	Mango, grapefruit, lime	9
	CLUSTER	6 - 9	37 - 43	Blackberry, spice, floral	6
	COLUMBUS	14 - 20	28 - 32	Lemon, resinous, black pepper	8
	COMET	9 - 11	40 - 45	Grapefruit, mango, pine	8
	CRYSTAL	3 - 6	20 - 26	Tangerine, lime, floral	6
	DELTA™	4 - 7	22 - 24	Lime, pineapple, earthy	5
	EL DORADO®	13 - 17	28 - 33	Pineapple, peach, melon	8
	EUREKA!™ (not to be confused with Eureka)	17 - 20	28 - 30	Pine, blackcurrant, grapefruit	8
	GALENA	10 - 14	36 - 40	Blackcurrant, spice, grapefruit	7
	IDAHO 7	9 - 12	30 - 40	Mango, pink grapefruit, pine	9
	IDAHO GEM™	11 - 13	20 - 27	Cherry, grapefruit, spice	8
	JARRYLO®	15 - 17	34 - 37	Pear, banana, spice	7
	LEMONDROP™	5 - 7	28 - 34	Lemon, mint, green tea	7
	LIBERTY	3 - 5	24 - 30	Spice, lemon, herbal	6
	MOSAIC®	10 - 14	24 - 26	Blueberry, mango, passion fruit	9
	MOUNT HOOD	4 - 7	21 - 23	Herbal, grapefruit, lemon	6
	NUGGET	10 - 14	22 - 30	Spice, pear, herbal	7
	PEKKO®	14 - 16	27 - 30	Mint, melon, pineapple	8
	SIMCOE®	11 - 15	15 - 20	Pine, grapefruit, passion fruit	9
	SORACHI ACE	10 - 14	20 - 26	Lemon, coconut, dill	8
	STERLING	5 - 9	22 - 28	Lemon, floral, spice	6
	SULTANA™	13 - 15	22 - 26	Pine, pineapple, grapefruit intensity	8
SUMMIT™	13 - 15	26 - 33	Pink grapefruit, tangerine, allium	8	
WILLAMETTE	4 - 7	30 - 35	Blackcurrant, spice, floral	6	
ZAPPA™	4 - 9	40 - 45	Passion fruit, spice, mint intensity	8	
 UNITED KINGDOM VARIETIES	ADMIRAL	14 - 16	37 - 45	Resinous, orange, pine	8
	ARCHER®	4 - 6	32 - 38	Apricot, lime, floral	6
	BOADICEA	6 - 9	21 - 27	Spice, earthy, floral	6
	BRAMLING CROSS	5 - 8	26 - 31	Lemon, blackcurrant, spice	8
	BULLION	8 - 11	35 - 40	Spice, blackcurrant, damson	7
	CASCADE	5 - 9	33 - 40	Floral, grapefruit, orange	7
	CHALLENGER	5 - 9	20 - 25	Spice, cedar, green tea	7
	CHINOOK	8 - 11	29 - 35	Lemon, grapefruit, pine	7
	EAST KENT GOLDINGS	5 - 8	26 - 32	Spice, honey, earthy	6
	ENDEAVOUR	5 - 9	30 - 34	Blackcurrant, spice, lemon	7
	ERNEST	5 - 7	50 - 55	Apricot, nectarine, spice	8
	FIRST GOLD	6 - 9	29 - 34	Orange, marmalade, spice	6
	FUGGLES	4 - 7	29 - 30	Grassy, mint, earthy	6
	FUSION (Experimental Blend)	6 - 8	N / A	Varies year on year	7
	GODIVA™	6 - 9	25 - 29	Tangerine, white grape, spice	8
	GOLDINGS	4 - 8	26 - 32	Spice, honey, earthy	6
	HARLEQUIN™	9 - 12	27 - 31	Passion fruit, peach, pineapple	8
	JESTER®	7 - 9	23 - 28	Grapefruit, resinous, blackcurrant	8
	KEYWORTHS EARLY	5 - 7	30 - 35	Lemon, grapefruit, earthy	6
	KEYWORTHS MID-SEASON	5 - 8	46 - 52	Blackcurrant, lemon, earthy	6
	MINSTREL®	5 - 7	22 - 26	Spiced berries, orange, herbal	6
	MYSTIC™	4 - 7	35 - 38	Blackcurrant, orange, passion fruit	7
	NORTHDOWN	6 - 9	24 - 29	Spice, cedar, pine	7
	OLICANA®	7 - 9	28 - 32	Mango, passion fruit, floral	7
	PHOENIX	9 - 12	24 - 28	Chocolate, caramel, spice	6
	PILGRIM	9 - 12	36 - 38	Spice, cedar, honey	6
	PILOT	7 - 10	28 - 33	Lemon, spice, earthy	6
	PIONEER	9 - 12	35 - 39	Lemon, cedar, herbal	8
	PROGRESS	5 - 8	27 - 36	Spice, honey, grassy	6
	SOVEREIGN	4 - 7	22 - 30	Grassy, floral, earthy	6
SUSSEX	4 - 7	25 - 32	Herbal, blackberry, earthy	5	
TARGET	9 - 12	35 - 40	Pine, orange, cedar	8	
WGV	5 - 8	32 - 43	Spice, floral, earthy	7	
 FRENCH VARIETIES	ARAMIS	6 - 8	21 - 22	Floral, grassy, black pepper	5
	BARBE ROUGE	7 - 10	24 - 28	Strawberry, redcurrant, floral	7
	BOUCLIER	7 - 9	20 - 25	Herbal, floral, grassy	4
	BREWERS GOLD	5 - 9	40 - 48	Spice, blackcurrant, lemon	8
	FUGGLES	4 - 7	29 - 30	Grassy, mint, earthy	6
	MISTRAL	6 - 9	29 - 39	Orange, herbal, pear	6
	SAVINJSKI GOLDING	2 - 4	25 - 30	Lemon, floral, earthy	6
	STRISSELSPALT	2 - 5	20 - 25	Herbal, floral, grassy	4
TRISKEL	3 - 5	20 - 23	Floral, spice, watercress	6	


 <b>NEW ZEALAND VARIETIES</b>	<b>CHINOOK</b>	11 - 15	29 - 35	Grapefruit, citrus, lime	8
	<b>DR RUDI</b>	11 - 14	36 - 39	Lemongrass, pine, grassy	8
	<b>GREEN BULLET</b>	10 - 13	41 - 43	Pine, plum, black pepper	8
	<b>KOHATU™</b>	5 - 7	18 - 23	Lime, pineapple, pine	8
	<b>MOTUEKA™</b>	5 - 8	25 - 35	Lime, lemon, floral	9
	<b>MOUTERE™</b>	17 - 20	24 - 28	Grapefruit, resinous, passion fruit	8
	<b>NELSON SAUVIN®</b>	10 - 13	22 - 26	White grape, gooseberry, grapefruit	9
	<b>PACIFICA™</b>	4 - 8	23 - 27	Floral, orange, herbal	6
	<b>PACIFIC GEM™</b>	13 - 18	37 - 40	Blackberry, oak, pine	7
	<b>PACIFIC JADE™</b>	12 - 14	22 - 26	Herbal, lemon, black pepper	8
	<b>RAKAU™</b>	10 - 12	24 - 28	Apricot, passion fruit, pine	8
	<b>RIWAKA</b>	 4.5 - 6.5	32	Passion fruit, grapefruit, lemon intensity	9
	<b>SOUTHERN CROSS™</b>	11 - 14	25 - 28	Lemon, pine, herbal	7
	<b>STICKLEBRACKT</b>	12 - 15	35 - 40	Pine, lemon, earthy	7

 <b>GERMAN VARIETIES</b>	<b>ARIANA</b>	9 - 13	40 - 42	Blackcurrant, peach, pear	7
	<b>BREWERS GOLD</b>	5 - 9	40 - 48	Spice, blackcurrant, lemon	8
	<b>HALLERTAU BLANC</b>	9 - 12	22 - 26	White grape, lemongrass, passion fruit	8
	<b>HERKULES</b>	16 - 20	32 - 38	Pine, spice, black pepper	8
	<b>HERSBRUCKER</b>	2 - 4	17 - 25	Floral, herbal, earthy	6
	<b>HUELL MELON</b>	6 - 8	25 - 28	Melon, strawberry, apricot	8
	<b>MAGNUM</b>	11 - 15	21 - 29	Herbal, floral, pine	8
	<b>MANDARINA BAVARIA</b>	7 - 11	31 - 35	Mandarin, spice, lemon	7
	<b>MITTELFRUH</b>	3 - 6	18 - 28	Herbal, floral, grassy	6
	<b>NORTHERN BREWER</b>	5 - 9	27 - 32	Spice, resinous, herbal	6
	<b>PERLE</b>	6 - 9	29 - 35	Spice, cedar, orange	7
	<b>POLARIS</b>	19 - 23	22 - 28	Pine, spice, mint	6
	<b>SAPHIR</b>	2 - 4	12 - 17	Floral, herbal, tangerine	5
	<b>SELECT</b>	2 - 5	21 - 27	Herbal, floral, earthy	5
	<b>TETTNANG</b>	4 - 7	22 - 28	Herbal, floral, earthy	5
	<b>TRADITION</b>	4 - 7	24 - 30	Herbal, floral, grassy	5

 <b>CZECH VARIETIES</b>	<b>KAZBEK</b>	5 - 8	35 - 40	Lemon, grapefruit, spice	8
	<b>PREMIANT</b>	6 - 10	18 - 23	Earthy, herbal, floral	5
	<b>SAAZ</b>	2 - 5	23 - 26	Floral, herbal, spice	6
	<b>SLADEK</b>	6 - 8	22 - 28	Floral, earthy, spice	6

 <b>POLISH VARIETIES</b>	<b>CHINOOK</b>	11 - 15	29 - 35	Grapefruit, lemon, pine	8
	<b>JUNGA</b>	10 - 13	29 - 34	Blackcurrant, grapefruit, spice	7
	<b>LUBELSKI</b>	3 - 5	25 - 28	Floral, herbal, spice	5
	<b>MAGNUM</b>	11 - 15	21 - 29	Herbal, floral, pine	8
	<b>MARYNKA</b>	8 - 10	26 - 33	Herbal, floral, lemon	6
	<b>PERLE</b>	6 - 9	29 - 35	Cedar, spice, orange	7
	<b>PULAWSKI</b>	8 - 11	26 - 30	Herbal, lemon, clove	7
	<b>SYBILLA</b>	6 - 8	26 - 31	Lemon, pine, floral	7
<b>TRADITION</b>	4 - 7	24 - 30	Herbal, floral, grassy	5	

 <b>BELGIAN VARIETIES</b>	<b>CHALLENGER</b>	5 - 9	20 - 25	Spice, cedar, green tea	7
	<b>GOLDINGS</b>	4 - 8	26 - 32	Spice, honey, earthy	6
	<b>TARGET</b>	9 - 12	35 - 40	Pine, orange, cedar	8
	<b>WGV</b>	5 - 8	32 - 43	Spice, floral, earthy	7

 <b>SLOVENIAN VARIETIES</b>	<b>ATLAS</b>	5 - 9	36 - 38	Lime, floral, pine	6
	<b>AURORA</b>	5 - 9	23 - 28	Spice, floral, lemongrass	7
	<b>BOBEK</b>	2 - 5	27 - 31	Lemon, pine, floral	7
	<b>CELEIA (STYRIAN GOLDING)</b>	2 - 5	26 - 29	Lemon, lime, floral	7
	<b>DANA</b>	9 - 13	28 - 31	Floral, lemon, pine	7
	<b>KRPAN (previously CHINOOK)</b>	11 - 15	29 - 35	Grapefruit, lemon, pine	8
	<b>SAVINJSKI GOLDING</b>	2 - 4	25 - 30	Lemon, lime, earthy	6
	<b>STYRIAN CARDINAL</b>	8 - 10	31 - 37	Floral, lime, pineapple	7
	<b>STYRIAN DRAGON</b>	6 - 11	23 - 24	Passion fruit, lemon, melon	8
	<b>STYRIAN EAGLE</b>	12 - 17	20 - 23	Peach, floral, pine	8
	<b>STYRIAN EUREKA (not to be confused with EUREKA)</b>	11 - 17	21 - 25	Redcurrant, floral, quince	6
	<b>STYRIAN FOX</b>	6 - 12	26 - 30	Blackcurrant, lemongrass, marjoram	7
	<b>STYRIAN GOLD</b>	3.5 - 6.5	28 - 35	Spice, earthy, lemon intensity	6
	<b>STYRIAN KOLIBRI</b>	4 - 6	21 - 25	Blackcurrant, elderflower, green tea	7
	<b>STYRIAN WOLF</b>	13 - 18	22 - 23	Lemon, lemongrass, mango	8
<b>TOLAR (previously CASCADE)</b>	5 - 9	33 - 40	Floral, lemon, lychees	8	

<b>ORGANIC VARIETIES</b>	 <b>BELGIUM</b>	Cascade, Challenger, Fuggles, Goldings, Pilgrim, WGV
	 <b>CZECH REPUBLIC</b>	Saaz, Premiant
	 <b>GERMANY</b>	Brewers Gold, Hallertau Blanc, Hersbrucker, Magnum, Mandarina Bavaria, Mittelfruh, Opal, Perle, Polaris, Saphir, Spalt Select, Smaragd, Tradition
	 <b>POLAND</b>	Cascade, Magnat, Magnum, Marynka, Pulawski, Sybilla
	 <b>NEW ZEALAND</b>	Motueka™, Nelson Sauvin™, Pacific Gem™, Rakau™, Taiheke™, Wakatu™
	 <b>UNITED KINGDOM (UK)</b>	Challenger, First Gold, Sovereign
 <b>UNITED STATES (USA)</b>	Ahtanum™, Azacca™, Cascade, Chinook, Citra®, El Dorado®, Jarrylo™, Simcoe®, Sterling	

Charles Faram strongly recommends forward contracting your hops so we offer a forward contract service that allows you to order secured stock throughout the year. Visit [www.charlesfaram.com](http://www.charlesfaram.com) for more details.

# CRAFT MALT



STEEPED IN TRADITION



**BELGOMALT**

## MALT HOUSES OF EUROPE

	Product	Color Range (EBC)		Product	Color Range (EBC)	
<b>PAULS MALT</b> UNITED KINGDOM	Pale Ale Malt	5 - 8	<b>PAULS MALT</b> UNITED KINGDOM	Amber Malt	45 - 90	
	Extra Pale Malt Ale	2 - 3.5		Cara Malt	25 - 35	
	Maris Otter Ale Malt	4 - 6	<b>BELGOMALT</b> BELGIUM	Pilsen Malt	2.5 - 4	
	Mild Ale	8 - 10		<b>LES MALTIERES</b> FRANCE	Wheat Malt	0 - 5.5
	Light Crystal Malt	110 - 130			Organic Pilsen Malt	4.5
	Medium Crystal Malt	150 - 190	<b>MINCH MALT</b> IRELAND	Munich Malt	25 - 35	
	Dark Crystal Malt	200 - 250		Vienna Malt	10 - 12	
	Extra Dark Crystal Malt	380 - 450		Hook Head Ale Malt	4 - 6	
	Light Chocolate Malt	400 - 600		Distilling Malt	-	
Chocolate Malt	800 - 1000					
Black Malt	1300 - 1600					
Roast Barley	1400 - 1600					

## BITTER SWEET CIDER APPLE CONCENTRATE



**BRITISH  
APPLE CO**

Clean, crisp apple concentrate	Specific gravity 1.36 to 1.43
Brix 70 plus or minus 2%	Tannins 1.6 to 2.2 g at 11.2 to 11.5 brix
Acidity as malic acid 1 to 1.5	BRC approved manufacturer

## BREWING SUPPLIES

Function	Product
Beer Finings	Allkleer G, Super F
Kettle Finings	Protafloc/Kettlekleer Granules & Tablets
Yeast Nutrients	Yeast Vit
Foam Control	Antifoam, PGA (Foam Stabilizer)
Enzymes	Glucanase
Water Treatment	DWB (Adjust Mineral Salts)

*"Offering full technical support on all products since 1887."*



**BREWING SUPPLIES  
SINCE 1887**

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