



**CHARLES  
FARAM**

1865

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**HOP FACTORS  
AND MERCHANTS  
SINCE 1865**

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COUNTRY OF ORIGIN	HOP VARIETY	APPROX ALPHA	COHUMULONE AS % OF A.A	HOP CHARACTERISTICS	FLAVOUR INTENSITY OUT OF 10
<b>UNITED KINGDOM</b> REGION STATS: » HEREFORDSHIRE » WORCESTERSHIRE » KENT 52 FARMS 564 HA	ADMIRAL	14-16	37-45	Orange, pine, resinous	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
	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 GOLDING	5-8	26-32	Spice, honey, earthy	6
	 EMPEROR®	6-8	35-38	Orange, lemon, resinous	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
	FUGGLE	4-7	29-30	Grassy, mint, earthy	6
	 GODIVA™	6-9	25-29	Tangerine, white grape, spice	8
	GOLDING	4-8	26-32	Spice, honey, earthy	6
	 HARLEQUIN®	9-12	27-31	Passion fruit, peach, pineapple	8
	 JESTER®	7-9	23-28	Grapefruit, blackcurrant, resinous	8
	 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
	 OPUS®	5-7.5	32-36	Floral, herbal, orange	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	
TARGET	9-12	35-40	Pine, orange, cedar	8	
WGV	5-8	32-43	Spice, floral, earthy	7	
<b>CZECH REPUBLIC</b>	KAZBEK	5-8	35-40	Lemon, grapefruit, spice	8
	 MOST™	7-10	25-32	Strawberry, blackcurrant, redcurrant	8
	PREMIANT	6-10	18-23	Earthy, herbal, floral	5
	SAAZ	2-5	23-26	Floral, herbal, spice	6
	SLADEK	6-8	22-28	Floral, earthy, spice	6
<b>FRANCE</b>	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	Lemon, blackcurrant, spice	8
	FUGGLE	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
<b>GERMAN</b> REGION STATS: » HALLERTAU » TETTANG » SPALT 1041 FARMS 20,605 HA	ARIANA	9-13	40-42	Blackcurrant, peach, pear	7
	BREWERS GOLD	5-9	40-48	Lemon, blackcurrant, spice	8
	CALLISTA	2-5	54-64	Passion fruit, strawberry, orange	7
	HALLERTAU BLANC	9-12	22-26	White grape, lemongrass, passion fruit	8
	HERKULES	16-20	32-38	Pine, spice, black pepper	8
	HERSBRUKER	2-4	17-25	Floral, herbal, earthy	6
	HUELL MELON	6-8	25-28	Melon, strawberry, apricot	8
	MAGNUM	11-15	21-29	Herbal, floral, pine	7
	MANDARINA BAVARIA	7-11	31-35	Mandarin, spice, lemon	7
	MITTELFRUH	3-6	18-28	Herbal, floral, grassy	6
	NORTHERN BREWER	5-9	27-32	Spice, herbal, resinous	6
	PERLE	6-9	29-35	Spice, cedar, orange	7
	SAPHIR	2-4	12-17	Floral, herbal, tangerine	5
	SELECT	2-5	21-27	Herbal, floral, earthy	5
	TETTANG	4-7	22-28	Herbal, floral, earthy	5
TRADITION	4-7	24-30	Herbal, floral, grassy	5	
<b>POLISH</b>	JUNGA	10-13	29-34	Blackcurrant, grapefruit, spice	7
	LUBELSKI	3-5	25-28	Floral, herbal, spice	5
	MAGNUM	9-14	21-29	Herbal, floral, pine	7
	MARYNKA	8-10	26-33	Herbal, floral, lemon	6
	PERLE	6-9	29-35	Cedar, spice, orange	7
	PULAWSKI	8-11	26-30	Herbal, lemon, clove	7
	SYBILLA	6-8	26-31	Lemon, pine, floral	7
TRADITION	4-7	24-30	Herbal, floral, grassy	5	

COUNTRY OF ORIGIN	HOP VARIETY	APPROX ALPHA	COHUMULONE AS % OF A.A	HOP CHARACTERISTICS	FLAVOUR INTENSITY OUT OF 10
<b>SLOVENIA</b> REGION STATS: » SAVINJA VALLEY » SMARTNO 107 FARMS 1,646 HA	AURORA	5-9	23-28	Spice, floral, lemongrass	7
	BOBEK	2-5	27-31	Lemon, pine, herbal	7
	CELEJA	2-5	26-29	Lemon, lime, floral	7
	DANA	9-13	28-31	Floral, lemon, pine	7
	KRPAN	11-15	29-35	Grapefruit, lemon, pine	8
	SAVINJSKI GOLDING	2-4	25-30	Lemon, lime, earthy	6
	STYRIAN CARDINAL™	8-10	31-37	Floral, lime, pineapple	7
	STYRIAN DRAGON	6-11	23-24	Passion fruit, lemon, melon	8
	STYRIAN EAGLE	12-17	20-23	Peach, floral, pine	8
	STYRIAN EUREKA	11-17	21-25	Redcurrant, floral, quince	6
	STYRIAN FOX	6-12	26-30	Blackcurrant, lemongrass, marjoram	7
	STYRIAN KOLIBRI	4-6	21-25	Blackcurrant, elderflower, green tea	7
	STYRIAN WOLF™	13-18	22-23	Lemon, lemongrass, mango	8
<b>NEW ZEALAND</b> REGION STATS: » MOTUEKA VALLEY » RIWAKA » WAI-ITI 31 FARMS 743 HA	DR RUDI™	11-14	36-39	Lemongrass, pine, grassy	8
	GREEN BULLET	10-13	41-43	Pine, plum, black pepper	8
	KOHATU®	5-7	18-23	Lime, pineapple, pine	8
	MOTUEKA™	5-8	25-35	Lime, lemon, floral	9
	MOUTERE™	17-20	24-28	Grapefruit, resinous, passion fruit	8
	NECTARON®	9-12	26-28	Pineapple, peach, grapefruit	9
	NELSON SAUVIN™	10-13	22-26	White grape, gooseberry, grapefruit	9
	PACIFICA™	4-8	23-27	Floral, orange, herbal	6
	PACIFIC GEM	13-15	37-40	Blackberry, oak, pine	7
	NZ PACIFIC JADE™	12-14	22-26	Herbal, lemon, black pepper	8
	RAKAU™	10-12	24-28	Apricot, passion fruit, pine	8
	RIWAKA™	9-12	29-38	Grapefruit, lemon, pine	9
	NZ SOUTHERN CROSS™	11-14	25-28	Lemon, pine, herbal	7
	SUPERDELIC™	9-12	26-30	Mango, passionfruit, spice	9
	TAIHEKE®	5-9	33-40	Floral, lemon, grapefruit	8
	WAI-ITI™	2-4	23-28	Mandarin, peach, lime	8
	WAIMEA™	16-19	22-24	Orange, pine, resinous	9
WAKATU™	7-10	28-30	Vanilla, floral, lime	7	
<b>AMERICA</b> REGION STATS: » WASHINGTON » OREGON » IDAHO 67 FARMS 22,434 HA	AMARILLO®	7-11	21-24	Orange, peach, pink grapefruit	9
	APOLLO™	15-19	24-28	Pine, lemon, resinous	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, black pepper, resinous	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
	EKUANOT®	13-16	31-36	Papaya, lime, green pepper	8
	EL DORADO®	13-17	28-33	Pineapple, peach, melon	8
	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
	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
	SABRO®	12-16	20-24	Lemon, coconut, resinous	9
	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
	SUMMIT™	13-15	26-33	Pink grapefruit, tangerine, allium	8
	TALUS™	7-10	34-39	Grapefruit, pine, spice	8
VISTA	11-12	30-35	Melon, papaya, peach	8	
WARRIOR®	13-15	22-26	Herbal, pine, resinous	6	
WILLAMETTE	4-7	30-35	Blackcurrant, spice, floral	6	
ZAPPA™	4-9	40-45	Passion fruit, spice, mint	8	
<b>ORGANIC VARIETIES</b>	BELGIUM	Admiral, Challenger, Fuggle, Golding, Pilgrim			
	CZECH REPUBLIC	Saaz			
	GERMANY	Hallertau Blanc, Hersbrucker, Mandarina Bavaria, Opal, Perle, Saphir, Spalt, Select, Smaragd, Tradition			
	POLAND	Magnat, Magnum, Marynka, Pulawski			
	SPAIN	Admiral, Cascade, Chinook, Nugget, Willamette			
	NEW ZEALAND	Motueka™, Nelson Sauvin™, Pacific Gem, Rakau™, Wakatu™			
	UNITED KINGDOM	Challenger, First Gold, Sovereign, Merlin			
UNITED STATES	Amarillo®				

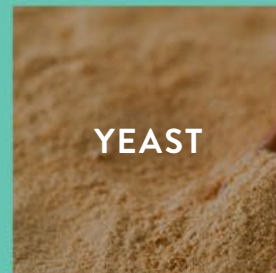
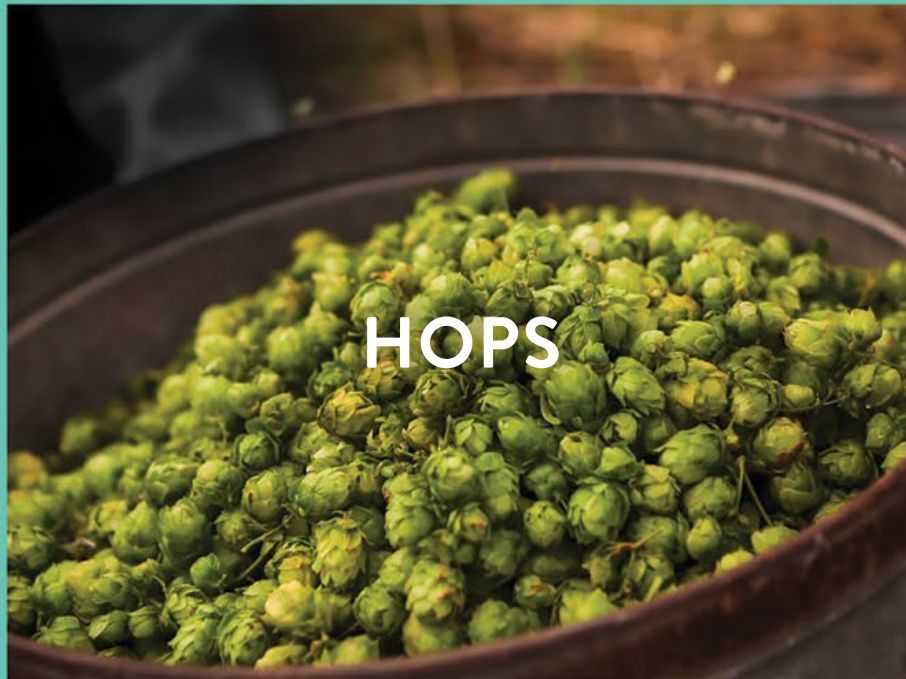
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# “THE EMPORIUM”

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THE ORIGINAL ONE STOP SHOP AT CHARLESFARAM.COM

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