



**CHARLES
FARAM**

1865

**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
UNITED KINGDOM REGION STATS: » HEREFORDSHIRE » WORCESTERSHIRE » KENT 45 FARMS 517 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	
CZECH REPUBLIC 121 FARMS 4,852HA	KAZBEK	5-8	35-40	Lemon, grapefruit, spice	8
	 MOST™	7-10	25-32	Strawberry, apricot, spice	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
FRANCE 38 FARMS 574 HA	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
GERMAN REGION STATS: » HALLERTAU » TETTANG » SPALT 1,041 FARMS 20,320 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	
POLAND 643 FARMS 1,652 HA	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
SLOVENIA REGION STATS: » SAVINJA VALLEY » SMARTNO 140 FARMS 1,657 HA	AURORA	5-9	23-28	Spice, floral, lemongrass	7
	BOBEK	2-5	27-31	Lemon, pine, herbal	7
	CELEIA	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 KOLIBRI	4-6	21-25	Blackcurrant, elderflower, green tea	7
STYRIAN WOLF™	13-18	22-23	Lemon, lemongrass, mango	8	
NEW ZEALAND REGION STATS: » MOTUEKA VALLEY » RIWAKA » WAI-ITI 35 FARMS 1,400 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™	15-18	24-28	Grapefruit, resinous, passion fruit	8
	NECTARON®	10-14	25-28	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™	4-7	29-38	Grapefruit, lemon, pine	9
	NZ SOUTHERN CROSS™	11-14	25-28	Lemon, pine, herbal	7
	SUPERDELIC™	9-12	25-28	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	
AMERICA REGION STATS: » WASHINGTON » OREGON » IDAHO 67 FARMS 17,845 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
	ELANI™	9-11	30-34	Tangerine, peach, pineapple	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	
ORGANIC VARIETIES	CZECH REPUBLIC	Saaz			
	GERMANY	Hallertau Blanc, Hersbrucker, Mandarina Bavaria, Perle, Saphir, Spalt, Select, Tradition			
	POLAND	Magnat, Magnum, Marynka, Pulawski			
	NEW ZEALAND	Motueka™, Nelson Sauvin™, Pacific Gem, Nectaron®			
	UNITED KINGDOM	Challenger, Sovereign			
	UNITED STATES	Amarillo®, Citra®, Mosaic®, Chinook, Cascade			



A REVOLUTIONARY LEAP FORWARD IN AROMA AND BREWING EFFICIENCY.

The Quantum Series is a suite of **hop-derived, varietal-specific solutions** utilising innovative, ultra-low temp extraction technology to create the finest, **most aromatic hop extracts** on the market.

AZA • CAS • CEN • CHI • CIT
ELD • MOS • SIM • STT • VG1
HARLEQUIN® • OLICANA® • JESTER® • GODIVA™



AUTHENTIC FRUIT FLAVOURS FOR BREWING AND OTHER BEVERAGES.

Technology meets nature. Skyfarm™ captures the **freshest, most authentic fruit flavours free from synthetic notes or added sugars**. Not all brewers find using purees and juices easy; the Skyfarm™ range of flavours offers a **very effective and easy alternative**. Experience reduced yield losses and the need for refermentation from consistent-fruit profiles made from botanically derived terpenes.

GUAVA • MANGO • PEACH • PINEAPPLE
STRAWBERRY • WATERMELON



TRUE-TO-TYPE BOTANICALLY-DERIVED CANNABIS FLAVOURS.

Cannabis and hops are **members of the same genetic family** but they've historically been kept apart by prohibition. With the natural dank flavour of cannabis making its way into the complexity of modern, hoppy beers, Abstrax provides an easy way of amplifying this characteristic by bringing novel ingredients like **terpenes to the brewer for the first time**.

BrewGas is here to reunite the family, so you're able to create a new sensory experience for drinkers.

BLACKBERRY KUSH • GELATO
KING LOUIE XIII • PINEAPPLE EXPRESS
OG KUSH • SUPER LEMON HAZE