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Adeena®	ADHA-1940		aroma	ADA	USA - private breeding prog. prop.			US patent																	x							
Admiral	RH40		aroma	ADM	England	x	x				x			x		x																
African Queen	J17		aroma	AFQ	South Africa	x																						x				
Agnus	4587		bitter	AGN	Czech Republic	x					x	x																				
Ahhhroma ™			aroma	AHH	USA - private breeding prog. prop.																				x							
Ahtanum® Brand	YCR 1	Yakima Chief Ranches 1	aroma	AHT	USA - private breeding prog. prop.																				x							
Aischgründer Historia	H-HP-1607		aroma	AIH	Germany - private breeding prog. prop.	x							x																			
Akoya	99/268		aroma	AKO	Germany - private breeding prog. prop.		b.r.		Hopsteiner				x																			
Alta			bitter	ALT	UA – public; Res. Inst. of Hop Growing	x																			x							
Altus ™	07270		bitter	ATS	USA - private breeding prog. prop.																				x							
Amarillo® Brand	VGXP01		aroma	VG1	USA - private breeding prog. prop.		x	US patent					x												x							
Apollo ™	01051		bitter	APO	USA - private breeding prog. prop.		x	US patent						x											x							
Aquila			bitter	AQU	USA - public UI																				x							
Aramis	P 05-9		aroma	ARS	France		x								x																
Archer®			aroma	ARC	England				Charles Faram							x																
Ardeal			bitter	ARD	Romania													x														
Ariana	2010/072/020		aroma	ANA	Germany		x						x																			
Astra ™			aroma	AST	Australia - private breeding prog. prop.				Ellerslie																				x			
Aurora	12/61	Super Styrian Aurora	aroma	SSA	Slovenia	x				x	x												x									
Aurum	96/001/024		aroma	AUR	Germany		b.r.						x																			
Azacca®	ADHA-483		aroma	AZA	USA - private breeding prog. prop.			US patent																	x							
Bačka			aroma	BAC	Serbia	x													x													
Banner			bitter	BAN	USA - public UI																				x							
Barbe Rouge	P 09-2		aroma	BBR	France		x								x																
Belma®			aroma	BEL	USA - private breeding prog. prop.																				x							
Bitter Gold	7313-083	Bittergold	aroma	BIG	USA - public USDA																				x							
Blues	N3		aroma	BLU	Czech Republic	x						x																				
Boadicea	OR423		aroma	BOA	England		x									x																
Bobek		Styrian Golding Bobek	aroma	SGB	Slovenia	x					x												x									
Bohemie	4837		aroma	BOH	Czech Republic	x						x																				
Boomerang	4914		bitter	BOO	Czech Republic	x						x																				
Bor	VÚCH-70		aroma	BOR	Czech Republic	x						x																				
Bouclier	P 08-6		aroma	BCL	France		x								x																
Bramling Cross	OT 48		aroma	BRX	England						x					x																
Bravo ™	01046		bitter	BRO	USA - private breeding prog. prop.		x	US patent						x											x							

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Brewer's Gold	C9a		aroma	BGO	England						x		x		x			x					x		x		x					
Brokat	UR1		aroma	BRK	Germany		x		Veltins				x																			
BRU-1 ™	BRU-1		aroma	BR1	USA - private breeding prog. prop.			US patent																		x							
Bullion	Q43		aroma	BUL	England											x									x	x						
Callista	2010/008/033	Grüngeist, Grungeist	aroma	CAL	Germany		x						x																			
Calypso ™	03129		aroma	CPO	USA - private breeding prog. prop.			US patent																		x							
Cascade	55187	56013, Taiheke®	aroma	CAS	USA - public USDA					x	x	x	x	x	x	x	x	x	x			x		x	x	x	x		x	x		x
Cashmere			aroma	CMR	USA - public WSU																				x								
Celeia		Styrian Golding Celeia	aroma	SGC	Slovenia	x				x													x										
Centennial	W415-90		aroma	CEN	USA - public WSU						x						x		x						x		x					
Cerera		Styrian Golding Cerera	aroma	CER	Slovenia	x																	x										
Challenger	4/63/25	Wye Challenger	aroma	CHA	England						x				x	x									x							
Chelan®	H87203-1	Chelan/Tillicum	bitter	CHE	USA - private breeding prog. prop.			exp.																	x							
Chinook	W421-38		aroma	CHI	USA - public WSU						x					x	x		x			x		x	x					x		
Citra® Brand	HBC 394	Hop Breeding Company 394	aroma	CIT	USA - private breeding prog. prop.			US patent																	x							
Cluster		Gargoyle®, Ivanhoe®	aroma	CLU	USA - public USDA																				x							
Coigneau			aroma	COI	Belgium						x																					
Columbia	6761-61	Meridian	aroma	CBA	USA - public USDA																				x							
Columbus	9/17	CTZ	bitter	CBS	USA - private breeding prog. prop.		x	exp.			x			x	x		x		x						x		x					
Comet			aroma	COM	USA - public USDA					x			x												x							
Contessa	04190		aroma	CTA	USA - private breeding prog. prop.																				x							
Country			aroma	COU	Czech Republic	x						x																				
Crystal	8309-37		aroma	CRY	USA - public USDA												x								x							
CTZ	9/17; F-10	Columbus, Tomahawk®, Zeus	bitter	CTZ	USA - private breeding prog. prop.			exp.	Columbus: EU-PVR		x			x	x		x								x	x							
Dana	279/112	Extra Styrian Dana	bitter	DAN	Slovenia	x	x																x										
Delta ™			aroma	DEL	USA - private breeding prog. prop.			US patent																		x							
Diamant	89/002/025		aroma	DNT	Germany		b.r.						x																			
Dr Rudi		Super Alpha	bitter	DRU	New Zealand																									x		
East Kent Golding		clones Cobbs, Early Bird, Eastwell	aroma	EKG	England				EU-PDO							x																
Eclipse ™	HPA-016		aroma	ECL	Australia - private breeding prog. prop.				Hop Products Australia (HPA)																				x				
Efes Aroma			aroma	EFE	Turkey																			x								
Ege			aroma	EGE	Turkey																			x								
Ekuanot® Brand	HBC 366	Equinox, Hop Breeding Company 366	aroma	EKU	USA - private breeding prog. prop.			US patent																	x							
El Dorado®			aroma	ELD	USA - private breeding prog. prop.				CLS Farms																x							
Elixir	P 13-13		aroma	EXR	France		b.r.								x																	

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Ella ™			aroma	ELL	Australia - private breeding prog. prop.				Hop Products Australia (HPA)																				x			
Endeavour	15/2		aroma	END	England				British Hop Association (BHA)							x															
Enigma ™			aroma	ENI	Australia - private breeding prog. prop.				Hop Products Australia (HPA)																				x			
Erciyas			bitter	ECY	Turkey																			x							
Ernest	OZ 97a		aroma	ERN	England				British Hop Association (BHA)							x															
Eroica			bitter	ERO	USA - public UI																					x						
Eureka! ™	05256	EUE05256	bitter	EUE	USA - private breeding prog. prop.		x							x												x						
[Experimental selections]				EXP	USA																					x						
Favorit	0093	Фаворит	aroma	WAV	Russia															x											
First Gold	S4		aroma	FGO	England	x	x				x					x															
Flyer	29/02/10		aroma	FLY	England				British Hop Association (BHA)							x															
Fuggle			aroma	FUG	England						x				x	x						x			x		x			x	
Furano Beauty			aroma	FBY	Japan	x			Sapporo																					x	
Furano Blanc®	0802D	Furano 0802D Go	aroma	FBC	Japan	x			Sapporo																					x	
Furano Flora®	0902D	Furano 0902D Go	aroma	FFL	Japan	x			Sapporo																					x	
Furano Honoka®			aroma	FHK	Japan	x			Sapporo																					x	
Furano Magical®	K906901060	Furano K906901060 Go	aroma	FMG	Japan	x	x	US patent	Sapporo																					x	
Furano Queen®	1501U	Furano 1501U Go	aroma	FQN	Japan	x	b.r.	US patent	Sapporo																					x	
Furano Rosa®	0901B	Furano 0901B Go	aroma	FRS	Japan	x			Sapporo																					x	
Furano Special		Furano Spezial	aroma	FUS	Japan	x			Sapporo																					x	
Gaia	4849		bitter	GAA	Czech Republic	x						x																			
Galaxy ™			aroma	GXY	Australia - private breeding prog. prop.				Hop Products Australia (HPA)																				x			
Galena			bitter	GAL	USA - public UI																					x						
Gaydamatskyi		Gaidamatski	aroma	GAI	UA – public; Res. Inst. of Hop Growing	x																			x							
Glacier			aroma	GLC	USA - public USDA																					x						
Golden Princess	HU ZH-APA1		bitter	GPR	Germany		x						x																	x	
Golden Star			bitter	GST	Japan				Sapporo																					x	
Golding		clones Cobbs, Early Bird, Early Choice, Eastwell, Farnham, Mathon	aroma	GOL	England						x				x	x									x						
Green Bullet			bitter	GBU	New Zealand																									x	
Groene Bel			aroma	GRB	Belgium						x																				
Hallertau Blanc	2007/019/008		aroma	HBC	Germany		x						x																		
Hallertauer Gold	64/014/235	Hüller Gold	aroma	HGO	Germany	exp.							x																		
Hallertauer Magnum	85/059/003	Magnum	bitter	HMG	Germany	x				x	x		x	x	x		x	x					x		x	x		x				
Hallertauer Merkur	93/010/012	Merkur	bitter	HMR	Germany	exp.					x		x	x				x														

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Hallertauer Mittelfrüher		Hallertauer	aroma	HAL	Germany						x		x													x	x						
Hallertauer Taurus	88/055/013	Taurus	bitter	HTU	Germany	x				x	x		x				x																
Hallertauer Tradition	78/028/016	Tradition	aroma	HTR	Germany	exp.				x	x		x		x		x	x						x		x							
Harmonie	4353		aroma	HRM	Czech Rep.	x						x																					
Herkules	95/094/816		bitter	HKS	Germany		x		HVG				x																				
Hersbrucker Pure	78/005/030		aroma	HPU	Germany	exp.							x																				
Hersbrucker Spät		Hersbrucker	aroma	HEB	Germany					x			x												x								
Hokuto Ace		Furano 18 Go, Furano 18	aroma	HOK	Japan	exp.			Sapporo																							x	
Horizon	7006-398		aroma	HOR	USA - public USDA																					x							
Huell Melon	2009/002/706	Hüll Melon	aroma	HMN	Germany		x						x																				
Hüller Bitter	58/056/011	Hüller Bitterer	aroma	HUB	Germany	exp.												x															
Idaho 7® Brand	J-007		aroma	ID7	USA - private breeding prog. prop.																					x							
Idaho Gem ™ Brand	2012G01		aroma	IDG	USA - private breeding prog. prop.																					x							
Iunga	PTU 1200		bitter	IUN	Poland	x											x																
Izabella			bitter	IZA	Poland												x																
Jarrylo®	ADHA-881		aroma	JAR	USA - private breeding prog. prop.			US patent																		x							
Jazz			aroma	JAZ	Czech Republic	x						x																					
Jester®			aroma	JES	England				Charles Faram							x																
Kaikogane			aroma	JKG	Japan	exp.			Kirin																							x	
Kazbek			aroma	KAZ	Czech Republic	x						x																					
Keyworths Early	OJ 47		aroma	KWE	England											x																	
Keyworths Midseason	OR 55		aroma	KWM	England											x																	
Kirin No 2		Kirin 2gou	aroma	JK2	Japan	exp.			Kirin																							x	
Klon-18			aroma	K18	UA – public; Sci. Test Stat. Hop Growing	x																			x								
Kohatu®	HORT3829		aroma	KHT	New Zealand	x		US patent																							x		
Lemondrop ™	01210		aroma	LDP	USA - private breeding prog. prop.		x							x												x							
Liberty	8303-117		aroma	LIB	USA - public USDA						x															x							
Little Star			aroma	LST	Japan	x			Sapporo																							x	
Loerenhop			aroma	LOE	Belgium						x																						
Lomik			aroma	LOM	Poland												x																
Loral® Brand	HBC 291	Hop Breeding Company 291	aroma	LOR	USA - private breeding prog. prop.			US patent																		x							
Lórien ™	IH101033		aroma	LRN	USA - private breeding prog. prop.			US pat. b.r.	Indie Hops / OSU																	x							
Lotus ™	06297		aroma	LOT	USA - private breeding prog. prop.		b.r.	US patent																		x							
Lubelski		Lublin, Lublelski	aroma	LUB	Poland												x																
Magnat	4/34		bitter	MGN	Poland	x											x																

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Malling			aroma	MLL	England					x																						
Mandarina Bavaria	2007/018/013		aroma	MBA	Germany		x						x																			
Mantiqueira	BRK 2014		aroma	MAQ	Brazil				Brasil Kirin																		x					
Mapuche		Tehuelche	aroma	MAP	Argentina	exp.			ABInBev																	x						
Marco Polo			bitter	MCP	China				Xinjiang Sapporo																							x
Marynka	PCU 480		aroma	MAR	Poland						x						x															
McKenzie	C-148		aroma	MKZ	USA - private breeding prog. prop.				West Coast Hop Breeding																x							
Medusa ™			aroma	MED	USA - private breeding prog. prop.			US patent																	x							
Melba ™			aroma	MEL	Australia - private breeding prog. prop.				Ellerslie																				x			
Meridian			aroma	MER	USA - private breeding prog. prop.																				x							
Millennium			bitter	MLM	USA - private breeding prog. prop.			US patent																	x							
Mimosa	5227		aroma	MIM	Czech Republic	x						x																				
Mistral	GS 26		aroma	MTL	France		x								x																	
Monroe			aroma	MON	Germany - private breeding prog. prop.	x			Barth-Haas				x																				
Mosaic® Brand	HBC 369	Hop Breeding Company 369	aroma	MOS	USA - private breeding prog. prop.			US patent																	x							
Motueka ™		Saaz B	aroma	MKA	New Zealand																									x		
Moutere ™		Brooklyn	bitter	MTE	New Zealand	x																								x		
Mt. Hood			aroma	MTH	USA - public USDA						x														x							
Mt. Rainier			aroma	MTR	USA - public USDA																				x							
Murakami Seven			aroma	JM7	Japan				Kirin																						x	
Nahuel			aroma	NAH	Argentina	2038			ABInBev																	x						
National		Natsionalnyi	aroma	NAT	UA – private breeding prog. prop.	x																		x								
Nectaron®	HORT4337		aroma	NRN	New Zealand	x																								x		
Nelson Sauvin ™	85-03-06		aroma	NSN	New Zealand	x																								x		
Newport			bitter	NWP	USA - public USDA																			x	x							
Northdown	1/61/55	Wye Northdown	aroma	NOR	England											x																
Northern Brewer	WFB 135		aroma	NBR	England						x		x		x									x	x		x					
Nugget	7005-194		bitter	NUG	USA - public USDA						x		x	x	x		x							x	x	x	x					x
NZ Pacific Jade ™	HORT1524	Pacific Jade	bitter	PJA	New Zealand	x																								x		
NZ Southern Cross	77-60	Southern Cross	bitter	SOX	New Zealand	exp.																								x		
Oktawia	PCU 588		bitter	OKT	Poland	exp.											x															
Olicana®			aroma	OLA	England				Charles Faram							x																
Olympic			bitter	OLC	USA - public WSU																				x							
Opal	87/024/056		aroma	OPL	Germany	x				x	x		x																			
[Other very small acreage cvs]				OTH	USA																				x							

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Outeniqua			bitter	OTQ	South Africa	exp.																					x				
Pacific Gem			bitter	PGE	New Zealand																								x		
Pacifica ™	77-01	Pacific Hallertau, Pacific Hallertauer	aroma	PCA	New Zealand	exp.																							x		
Pahto® Brand	HBC 682	Hop Breeding Company 682	bitter	PAH	USA - private breeding prog. prop.			US patent																	x						
Palisade® Brand	YCR 4	Yakima Chief Ranches 4	aroma	PAL	USA - private breeding prog. prop.			US patent																	x						
Pandora ™			aroma	PAN	Australia - private breeding prog. prop.				Ellerslie																				x			
Patagonia Red®	LPX/AL001		aroma	PRD	Argentina - Leibrecht/ Lup. Patagon. br. prog.	2039		AR patent	Lúpulos Patagónicos																	x						
Pazaryeri			bitter	PAZ	Turkey																		x								
Pekko®	ADHA-871		bitter	PEK	USA - private breeding prog. prop.			US patent																	x						
Perle	66/013/013		aroma	PER	Germany	exp.				x	x		x	x	x		x	x						x	x						
Petit Blanc			aroma	PBC	France								x																		
Phoenix	TC105		aroma	PHX	England	exp.	exp.				x					x															
Pilgrim	P38		aroma	PGM	England		x				x					x															
Pilot	S24		aroma	PLT	England		exp.									x															
Pioneer	W10		aroma	PIR	England	x	x				x					x															
Podvyzny		Подвязный	bitter	PDW	Russia															x											
Polaris	2000/109/728		bitter	PLA	Germany		x						x																		
Poliskyi		Polesskyi	bitter	POL	UA – public; Res. Inst. of Hop Growing	x																		x							
Premiant	Sm 73/3060		aroma	PRE	Czech Republic	x						x																			
Pride of Ringwood			bitter	POR	Australia																					x		x			
Progress			aroma	PRO	England						x					x															
Promin			aroma	PRM	UA – public; Res. Inst. of Hop Growing	x																		x							
Puławski	6/61		aroma	PUL	Poland	x											x														
Qingdao dahua		Tsingdao Flower	bitter	QID	China																										x
Rakau ™		AlphAroma, AlphaAroma	aroma	RKU	New Zealand																				x				x		
Ranny		Ранний	aroma	RAN	Russia															x											
Record			bitter	REC	Belgium						x		x																		
Relax	97/025/007		aroma	RLX	Germany		x		Martin Bauer				x																		
Riwaka ™		Saaz D	aroma	RWA	New Zealand																								x		
Robusta			aroma	ROB	Serbia	x													x												
Rottenburger Spät			aroma	RRS	Germany								x																		
Rubin			bitter	RUB	Czech Republic	x						x																			
SA-1			aroma	SA1	China				Xinjiang Sapporo																						x
Saaz		Žatecký Poloraný Červeňák, Saazer	aroma	SAZ	Czech Republic						x	x	x				x				x				x						
Saaz Brilliant	4801		aroma	SAI	Czech Republic	x						x																			

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Saaz Comfort	**4975**		**aroma**	**SAC**	Czech Republic	**x**						**x**																					
Saaz Late	**4237**		**aroma**	**SAL**	Czech Republic	**x**						**x**																					
Saaz Shine	**5045**		**aroma**	**SAH**	Czech Republic	**x**						**x**																					
Saaz Special	**NŠD2002**		**aroma**	**SAS**	Czech Rep. - private breeding prog. prop.	**x**						**x**																					
Sabro® Brand	**HBC 438**	**Hop Breeding Company 438**	**aroma**	**SAB**	USA - private breeding prog. prop.			US patent																		**x**							
Samt	**J1**		**aroma**	**SAM**	Germany		**x**		Veltins				**x**																				
Santiam			**aroma**	**SNT**	USA - public USDA																					**x**							
Saphir	**85/027/020**		**aroma**	**SIR**	Germany	**x**				**x**	**x**		**x**																				
SAST-1			**aroma**	**ST1**	China				Xinjiang Sapporo																								**x**
SAST-2			**aroma**	**ST2**	China				Xinjiang Sapporo																								**x**
SAST-3			**aroma**	**ST3**	China				Xinjiang Sapporo																								**x**
Savinjski Golding		**Styrian Savinjski Golding**	**aroma**	**SSG**	Slovenia	**x**				**x**	**x**				**x**								**x**								**x**		
Serebrianka			**aroma**	**SEK**	Russia - public															**x**						**x**							
Shinshuwase		**Shinsyu Wase, Sinsyu Wase**	**bitter**	**SSW**	Japan																											**x**	
Simcoe® Brand	**YCR 14**	**Yakima Chief Ranches 14**	**aroma**	**SIM**	USA - private breeding prog. prop.			US patent																		**x**							
Sladek	**VÚCH-71**		**aroma**	**SLD**	Czech Republic	**x**					**x**	**x**		**x**																			
Slavianka			**aroma**	**SLA**	UA – public; Res. Inst. of Hop Growing	**x**																		**x**									
Smaragd	**87/024/055**		**aroma**	**SGD**	Germany	**x**					**x**		**x**																				
Solero	**243/42**		**aroma**	**SOL**	Germany - private breeding prog. prop.		**b.r.**		Hopsteiner				**x**																					
Sonnet ™			**aroma**	**SON**	USA - private breeding prog. prop.																					**x**							
Sorachi Ace			**aroma**	**SOR**	Japan	**exp.**			Sapporo	**x**	**x**		**x**													**x**						**x**	
Southern Aroma			**aroma**	**SAR**	South Africa	**x**																							**x**				
Southern Dawn			**bitter**	**SDA**	South Africa	**2030**																							**x**				
Southern Passion			**aroma**	**SPN**	South Africa	**x**																							**x**				
Southern Promise			**bitter**	**SPR**	South Africa	**exp.**																							**x**				
Southern Star			**bitter**	**SST**	South Africa	**2022**																							**x**				
Southern Sublime	**N1/69**		**aroma**	**SSU**	South Africa	**2044**																							**x**				
Southern Tropic	**U1/108**		**aroma**	**STC**	South Africa	**2044**																							**x**				
Sovereign	**50/95/33**		**aroma**	**SOV**	England		**x**									**x**																
Spalter		**Spalt**	**aroma**	**SPA**	Germany				EU-PDO				**x**													**x**	**x**						
Spalter Select	**78/003/034**	**Spalt Select**	**aroma**	**SSE**	Germany	**exp.**				**x**	**x**		**x**														**x**						
Starovolynskyi aromatychnyi			**aroma**	**STA**	UA – public; Doskoch Ivan Mykhailovych	**x**																		**x**									
Sterling	**9043-52**		**aroma**	**STR**	USA - public USDA																					**x**							
Sticklebract			**bitter**	**SBR**	New Zealand																										**x**		
Strata ™	**X331**		**aroma**	**STT**	USA - Oregon State/ Indie Hops			US pat. b.r.																		**x**							

Variety or brand name	Breeder's reference or patent denomination	Synonym	Assign-ment	Valid IHGC code	Origin	Plant Variety Rights & Protection				Variety produced 2021 in																				
						Na-tional	EU-PVR	Patent	Other	AT	BE	CZ	DE	ES	FR	UK	PL	RO	RS	RU	SK	SI	TR	UA	US	AR	BR	ZA	AU	NZ	JP	CN
Strisselspalter		Strissel Spalt	aroma	FSP	France						x				x									x							
Styrian Cardinal ™	30/96		aroma	CAR	Slovenia	x	x															x									
Styrian Dragon	105/220		aroma	DRG	Slovenia	x	b.r.															x									
Styrian Eagle	35/137		aroma	EAG	Slovenia	x	x															x									
Styrian Eureka	285/70		aroma	EUR	Slovenia	x	x															x									
Styrian Fox	102/44		aroma	FOX	Slovenia	x	b.r.															x									
Styrian Gold	31/299		aroma	STG	Slovenia	x	x															x									
Styrian Kolibri	214/61		aroma	KOL	Slovenia	x	b.r.															x									
Styrian Wolf ™	74/134		aroma	WLF	Slovenia	x	x	US patent														x									
Sultana ™	06277	06277, Denali	aroma	SUL	USA - private breeding prog. prop.		x																	x							
Summit ™	AD24-002		bitter	SUM	USA - private breeding prog. prop.		x	US patent																x							
Super Galena ™		SupGalena	bitter	SGA	USA - private breeding prog. prop.		x	US patent																x							
Super Pride			bitter	SUP	Australia - private breeding prog. prop.				Hop Products Australia (HPA)																			x			
Sussex Hop			aroma	SXH	England											x														
Sybilla	PCU 688		aroma	SYB	Poland	exp.											x													
Tahoma			aroma	TAH	USA - public WSU																			x							
Talisman			bitter	TLN	USA - public UI																			x							
Talus ™ Brand	HBC 692	Hop Breeding Company 692	aroma	TAL	USA - private breeding prog. prop.			US patent																x							
Tango	2011/002/004		aroma	TGO	Germany		b.r.						x																		
Tardif de Bourgogne			aroma	TDB	France						x		x																		
Target	11/65/92	Wye Target	aroma	TRG	England						x		x		x	x															
Teamaker			aroma	TMK	USA - public USDA																			x							
Tettnanger		Tettnang	aroma	TET	Germany					x	x		x											x	x						
Tillicum®	H87207-2	Tillicum/Chelan	bitter	TIL	USA - private breeding prog. prop.			exp.																x							
Tomahawk® Brand	F-10	CTZ	bitter	TOM	USA - private breeding prog. prop.			exp.																x							
Tomyski			aroma	TMY	Poland												x														
Topaz ™			aroma	TOP	Australia - private breeding prog. prop.				Hop Products Australia (HPA)																			x			
Toyomidori		Kirin Flower, Feng Lv	aroma	JTY	Japan				British Hop Association (BHA)							x														x
Traful			aroma	TRA	Argentina																				x						
Transsilvania Romanian Aroma			aroma	TAR	Romania													x													
Triple Pearl		Triplepearl	aroma	TRP	USA - public USDA																			x							
Triskel	P 09-18		aroma	TKL	France		x								x																
Triumf			aroma	TMF	UA – public; SP Prod. amalg., A.-P.-Service	x																	x								
Triumph	USDA NUG-033		aroma	TRI	USA - public USDA																			x							
Ukrainskyi aromatychnyi			aroma	UAA	UA – public; Doskoch Ivan Mykhailovych	x																	x								

Variety or brand name	Breeder's reference or patent denomination	Synonym	Assign-ment	Valid IHGC code	Origin	Plant Variety Rights & Protection				Variety produced 2021 in																							
						Na-tional	EU-PVR	Patent	Other	AT	BE	CZ	DE	ES	FR	UK	PL	RO	RS	RU	SK	SI	TR	UA	US	AR	BR	ZA	AU	NZ	JP	CN
Ultra	8305-17		aroma	ULT	USA - public USDA																				x							
Vanguard	8254-167		aroma	VAN	USA - public WSU																				x							
Vic Secret ™			aroma	VIS	Australia - private breeding prog. prop.				Hop Products Australia (HPA)																				x				
Victoria			bitter	VIC	Australia																					x						
Vital	4715		bitter	VIT	Czech Republic	x						x																				
Wai-iti ™	HORT7709		aroma	WTI	New Zealand	x		US patent																						x		
Waimea ™	HORT3953		bitter	WAI	New Zealand	x		US patent																						x		
Wakatu ™		NZ Hallertau	aroma	WKT	New Zealand																									x		
Warrior® Brand	YCR 5	Yakima Chief Ranches 5	bitter	WAR	USA - private breeding prog. prop.			US patent																	x							
Whitbreads Golding Variety		WGV	aroma	WGV	England						x					x																
Willamette	6761-117		aroma	WIL	USA - public USDA						x						x								x	x				x		
Xantia	2001/101/704		bitter	XAN	Germany		b.r.						x																			
Yakima Gold			aroma	YKG	USA - public WSU																				x							
YCR 7	YCR 7	Yakima Chief Ranches 7, Satus®	bitter	SAT	USA - private breeding prog. prop.																				x							
YQH1320	YQH1320		aroma	Y20	USA - private breeding prog. prop.				Yakima Quality Hops																x							
Zagrava			aroma	ZAG	UA – public; Res. Inst. of Hop Growing	x																		x								
Zappa ™	FZMR2		aroma	ZAP	USA - private breeding prog. prop.																				x							
Zeus		CTZ	bitter	ZEU	USA - private breeding prog. prop.																				x	x						
Zlato Polissia			aroma	ZLP	UA – public; SP Prod. amalg., A.-P.-Service	x																		x								
Zmina			aroma	ZMI	UA – public; Res. Inst. of Hop Growing	x																		x								
Zula			bitter	ZUL	Poland - public IUNG	x											x																