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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																				
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										X									
Alta			bitter	ALT	Ukraine – public	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							
Amira	HVG ZS01		aroma	AMI	Germany - private breeding prog. prop.		b.r.		HVG				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		x						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																				
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	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					
Ceres	5512		aroma	CES	Czech Republic	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		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		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					
Comet			aroma	COM	USA - public USDA					x	x		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		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							
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		x						x																			
Dr Rudi		Super Alpha	bitter	DRU	New Zealand																						x			x		
East Kent Golding		clones Cobbs, Early Bird, Eastwell	aroma	EKG	England				EU-PDO							x										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**								
Eris	**5571**		**aroma**	**ERI**	Czech Republic	**x**						**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**												**x**						
[Experimental selections]				**EXP**												**x**						**x**				**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, xov170004**	**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**		**x**				
Gaydamatskyi		**Gaidamatski**	**aroma**	**GAI**	Ukraine – public	**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**		**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**				

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Hallertauer Merkur	93/010/012	Merkur	bitter	HMR	Germany	exp.					x		x	x				x													
Hallertauer Mittelfrüher		Hallertauer	aroma	HAL	Germany						x		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	x				
Harmonie	4353		aroma	HRM	Czech Rep.	x						x																			
HBC 682	HBC 682	Hop Breeding Company 682. Pahto® Brand	bitter	PAH	USA - private breeding prog. prop.			US patent																	x						
Helios ™	15619		bitter	HLO	USA - private breeding prog. prop.																				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			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					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															
Juno	5495		aroma	JUN	Czech Republic	x						x																			
Jupiter	5540		aroma	JUP	Czech Republic	x						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	Ukraine – public	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						
Lilly	HO 113		aroma	LLY	Germany - private breeding prog. prop.	x							x																		
Little Star			aroma	LST	Japan	x			Sapporo																					x	
Loerenhop			aroma	LOE	Belgium						x																				

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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																
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	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								
Most	HP111		aroma	MST	Czech Rep. - private breeding prog. prop.				Hop Products, s.r.o.			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		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	Ukraine – 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

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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							
Outeniqua			bitter	OTQ	South Africa	exp.																						x				
Pacific Gem			bitter	PGE	New Zealand																						x			x		
Pacifica ™	77-01	Pacific Hallertau, Pacific Hallertauer	aroma	PCA	New Zealand	exp.																								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 H-OPI®	LPX/AL006		aroma	OPI	Argentina - Leibrecht/ Lup. Patagon. br. prog.	x		AR pat. pend.	Lúpulos Patagónicos																	x						
Patagonia Passion®	LPX/AL005		aroma	PPA	Argentina - Leibrecht/ Lup. Patagon. br. prog.	x		AR pat. pend.	Lúpulos Patagónicos																	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		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																
Pluto	5580		aroma	PLO	Czech Republic	x						x																				
Podvyzny		Подвязный	bitter	PDW	Russia															x												
Polaris	2000/109/728		bitter	PLA	Germany		x						x														x					
Poliskyi		Polesskyi	bitter	POL	Ukraine – public	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	Ukraine – public	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												

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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**		**x**					
Saaz Brilliant	**4801**		**aroma**	**SAI**	Czech Republic	**x**						**x**																				
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**
Saturn	**5520**		**aroma**	**STN**	Czech Republic	**x**						**x**																				
Savinjski Golding		**Styrian Savinjski Golding**	**aroma**	**SSG**	Slovenia	**x**				**x**	**x**				**x**								**x**								**x**		
Serebrianka			**aroma**	**SEK**	Russia															**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**	Ukraine – public	**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**				**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**				

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Variety or brand name	Breeder's reference or patent denomination	Synonym	Assign-ment	Valid IHGC code	Origin	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
Southern Star			**bitter**	**SST**	South Africa	**exp.**																						**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**	**x**					
Spalter Select	**78/003/034**	**Spalt Select**	**aroma**	**SSE**	Germany	**exp.**				**x**	**x**		**x**														**x**	**x**					
Starovolynskyi aromatychnyi			**aroma**	**STA**	Ukraine – public	**x**																			**x**							
Sterling	**9043-52**		**aroma**	**STR**	USA - public USDA																					**x**		**x**					
Sticklebract			**bitter**	**SBR**	New Zealand																									**x**			
Strata ™	**X331**		**aroma**	**STT**	USA - Oregon State/ Indie Hops			US pat. b.r.																		**x**							
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**	**x**																**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**	**x**																**x**										
Styrian Gold	**31/299**		**aroma**	**STG**	Slovenia	**x**	**x**																**x**										
Styrian Kolibri	**214/61**		**aroma**	**KOL**	Slovenia	**x**	**x**																**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**	**ADHA04**	**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**		**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**		**x**					
Tettnanger		**Tettnang**	**aroma**	**TET**	Germany					**x**	**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**							

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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		x				
Triskel	P 09-18		aroma	TKL	France		x								x																
Triumf			aroma	TMF	Ukraine – public	x																		x							
Triumph	USDA NUG-033		aroma	TRI	USA - public USDA																				x		x				
Ukrainskyi aromatychnyi			aroma	UAA	Ukraine – public	x																		x							
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				
Vista	2006009-074	USDA 2006009-074	aroma	VTA	USA - public USDA																				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			x		
Xantia	2001/101/704		bitter	XAN	Germany		b.r.						x																			
Yakima Gold			aroma	YKG	USA - public WSU																				x		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	Ukraine – public	x																		x							
Zappa ™	FZMR2		aroma	ZAP	USA - private breeding prog. prop.																				x						
Zeus		CTZ	bitter	ZEU	USA - private breeding prog. prop.																				x	x	x				
Zlato Polissia			aroma	ZLP	Ukraine – public	x																		x							
Zmina			aroma	ZMI	Ukraine – public	x																		x							
Zula			bitter	ZUL	Poland - public IUNG	x											x															