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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.		**x**		Hopsteiner				**x**										**x**										
Alora	**HS17701**		**aroma**	**ALR**	USA - private breeding prog. prop.				Hopsteiner																**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.		**x**		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**																	

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Bravo ™	01046		bitter	BRO	USA - private breeding prog. prop.		x	US patent						x																			
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
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					
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																	
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							

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Elixir	**P 13-13**		**aroma**	**EXR**	France		**x**								**x**																	
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**			**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**	**x**	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**																			

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Hallertauer Magnum	85/059/003	Magnum	bitter	HMG	Germany	x				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														
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.		b.r.		Hopsteiner																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	

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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.		x	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					

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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																			
[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		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		

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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		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.		x		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				

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Southern Promise			bitter	SPR	South Africa	exp.																						x				
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					
Teorem	P14-8		aroma	TRM	France										x																	
Tettnanger		Tettnang	aroma	TET	Germany					x	x		x											x	x		x					

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Tillicum®	**H87207-2**	**Tillicum/Chelan**	**bitter**	**TIL**	USA - private breeding prog. prop.			**exp.**																	**x**							
Titan	**2011/071/019**		**bitter**	**TTN**	Germany		**b.r.**						**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**		**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		**x**						**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**															