

						Plant Variety Rights & Protection				Variety produced 2022 in																						
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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								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										

[illegible]

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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, Lubelski	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						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 TM	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												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 TM	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 TM			aroma	PAN	Australia - private breeding prog. prop.				Ellerslie																				x			
Patagonia H-OPt®	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									
Pulawski	6/61		aroma	PUL	Poland	x											x															
Qingdao dahua		Tsingdao Flower	bitter	QID	China																											x
Rakau TM		AlphaAroma, 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 TM		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 TM			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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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						
Starovolynskiy 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																
Sybillia	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		Tett nang	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								

					Plant Variety Rights & Protection					Variety produced 2022 in																											
Variety or brand name	Breeder's reference or patent denomination	Synonym	Assignment	Valid IHGC code	Origin	National	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					
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									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																					