

[illegible]

Variety or brand name						Plant Variety Rights & Protection				Variety produced 2021 in																						
	Breeder's reference or patent denomination	Synonym	Assign-ment	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
																																
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															
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																					

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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								
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					

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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 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																			
[Other very small acreage cvs]				OTH	USA																			X								
Outeniqua			bitter	OTQ	South Africa	exp.																					X					
Pacific Gem			bitter	PGE	New Zealand																									X		
Pacifica TM	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 TM			aroma	PAN	Australia - private breeding prog. prop.				Eilerslie																				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																
Podvyznyy		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									
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			

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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								
Saaz Brilliant	4801		aroma	SAI	Czech Republic	x						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
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				

