

# AHDB Recommended List Spring barley 2020

## Market options, yield and grain quality



	SY Splendor	Firefox	Cosmopolitan	SY Tungsten	LG Diablo	Laureate	RGT Planet	RGT Asteroid	Iconic	KWS Sassy	Sienna	Propino	Fairing	Concerto	Fairway	Prospect	
End-use group	Malting varieties														Feed varieties		
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	W	UK	UK	UK	Sp	UK	UK	UK	
	NEW	NEW		NEW		C	C		NEW			C		C	NEW	NEW	
<b>Fungicide-treated grain yield (% treated control)</b>																	
United Kingdom (7.5 t/ha)	107	106	105	105	105	104	103	103	102	101	101	98	96	95	106	105	2.3
East region (7.7 t/ha)	105	105	105	103	106	105	103	104	101	99	98	96	96	95	106	108	3.5
West region (7.4 t/ha)	[106]	[106]	105	[105]	102	104	104	102	[103]	100	100	98	97	96	[105]	[104]	3.8
North region (7.5 t/ha)	107	107	106	107	107	104	103	102	103	103	102	98	95	93	106	105	3.1
<b>Main market options</b>																	
MBC malting approval for brewing use	T	-	P	T	P	F	F	P	T	N	-	F	-	F	-	-	
MBC malting approval for malt distilling use	-	T	-	T	F	F	N	P	-	F	F	N	-	F	-	-	
MBC malting approval for grain distilling use	-	-	-	-	-	-	N	P	-	-	N	N	F	N	-	-	
<b>Grain quality</b>																	
Specific weight (kg/hl)	68.1	66.4	66.2	67.7	67.1	66.5	67.8	68.3	67.2	68.4	70.4	68.2	68.3	68.8	65.9	67.6	0.7
Screenings (% through 2.25 mm)	[1.5]	[1.6]	1.6	[1.8]	1.4	1.5	1.4	1.2	[1.7]	1.1	1.6	0.9	1.1	1.2	[1.0]	[1.9]	0.5
Screenings (% through 2.5 mm)	[3.9]	[3.7]	3.6	[4.7]	3.4	3.6	3.6	3.1	[4.1]	2.6	3.8	2.1	2.6	2.9	[2.4]	[4.5]	1.1
Nitrogen content (%)	1.47	1.46	1.44	1.43	1.44	1.48	1.50	1.48	1.45	1.50	[1.51]	1.56	1.59	1.52	-	1.51	0.05
<b>Status in RL system</b>																	
Year first listed	20	20	19	20	18	16	15	18	20	16	15	10	16	09	20	20	

## Not added to Recommended List

Average LSD (5%)	RGT Slipstream	Barbarella	Jaspa
	Malting varieties		Feed variety
	Not added to RL		Not added to RL
	-	-	-
	104	103	103
	104	103	102
	[105]	[101]	[103]
	104	105	104
	T	T	-
	-	-	-
	-	-	-
	65.3	65.4	68.2
	[1.8]	[2.0]	[1.7]
	[4.4]	[4.3]	[4.0]
	1.40	1.45	-

**Varieties no longer listed:** Chanson, Hacker, KWS Irina, LG Tomahawk, Olympus, Ovation and Scholar  
 Growers are strongly advised to check with their buyer before committing to a malting variety without full MBC approval.  
 Comparisons of variety performance across regions are not valid.  
 All yields on this table are taken from treated trials receiving a full fungicide programme.

UK = Recommended for the UK  
 W = Recommended for the West region  
 Sp = Fairing is suitable for the production of malt for grain distilling

C = Yield control (for current table). For this table KWS Irina was also a yield control but is no longer listed.  
 [ ] = Limited data

F = Full MBC approval  
 N = Not approved by MBC for this segment  
 P = Provisional MBC approval  
 T = Under test for MBC approval in this segment

LSD = Least significant difference  
 Average LSD (5%): Varieties that are more than one LSD apart are significantly different at the 95% confidence level.

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## Yield, agronomy and disease resistance



	SY Splendor	Firefoxx	Cosmopolitan	SY Tungsten	LG Diablo	Laureate	RGT Planet	RGT Asteroid	Iconic	KWS Sassy	Sienna	Propino	Fairing	Concerto	Fairway	Prospect	Average LSD (5%)
End-use group	Malting varieties														Feed varieties		
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	W	UK	UK	UK	Sp	UK	UK	UK	
	NEW	NEW		NEW		C	C		NEW			C		C	NEW	NEW	
<b>Fungicide-treated grain yield (% treated control)</b>																	
United Kingdom (7.5 t/ha)	107	106	105	105	105	104	103	103	102	101	101	98	96	95	106	105	2.3
East region (7.7 t/ha)	105	105	105	103	106	105	103	104	101	99	98	96	96	95	106	108	3.5
West region (7.4 t/ha)	[106]	[106]	105	[105]	102	104	104	102	[103]	100	100	98	97	96	[105]	[104]	3.8
North region (7.5 t/ha)	107	107	106	107	107	104	103	102	103	103	102	98	95	93	106	105	3.1
<b>Untreated grain yield (% treated control)</b>																	
United Kingdom (7.5 t/ha)	95	95	97	95	97	97	95	97	96	94	93	86	87	87	95	97	3.4
<b>Agronomic features</b>																	
Resistance to lodging (no PGR) (1–9)	[7]	[7]	7	[7]	7	7	7	7	[7]	6	7	7	7	7	[8]	[7]	0.5
Straw height (cm)	73	71	70	72	73	71	73	73	76	78	77	75	72	77	71	71	1.5
Ripening (+/-Concerto, -ve = earlier)	+1	0	0	+1	+1	+1	0	+1	0	0	+1	-1	-2	0	-1	0	0.8
Resistance to brackling (1–9)	9	8	7	8	8	8	8	8	8	6	7	8	8	8	9	9	0.8
<b>Disease resistance</b>																	
Mildew (1–9)	9	9	9	9	9	9	9	9	9	9	9	6	9	9	9	9	0.7
Yellow rust (1–9)	-	-	-	-	-	[5]	[4]	-	-	[6]	[6]	[4]	[9]	[8]	-	-	2.8
Brown rust (1–9)	4	4	4	4	5	5	5	5	5	5	5	5	4	5	4	4	1.5
Rhynchosporium (1–9)	[4]	[5]	6	[4]	5	6	5	4	[6]	6	5	5	6	4	[3]	[6]	2.3

On the 1–9 scales, high figures indicate that a variety shows the character to a high degree (e.g. high resistance). Comparisons of variety performance across regions are not valid.

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C = Yield control (for current table). For this table KWS Irina was also a yield control but is no longer listed.  
[] = Limited data

LSD = Least significant difference  
Average LSD (5%): Varieties that are more than one LSD apart are significantly different at the 95% confidence level.

## Not added to Recommended List

	RGT Slipstream	Barbarella	Jaspa
	Malting varieties		Feed variety
	Not added to RL		Not added to RL
	-	-	-
	104	103	103
	104	103	102
	[105]	[101]	[103]
	104	105	104
	91	94	93
	[8]	[7]	[7]
	68	75	70
	-1	0	0
	9	8	9
	9	9	9
	-	-	-
	4	4	3
	[3]	[3]	[5]

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Supplementary data



	SY Splendor	Firefox	Cosmopolitan	SY Tungsten	LG Diablo	Laureate	RGT Planet	RGT Asteroid	Iconic	KWS Sassy	Sienna	Propino	Fairing	Concerto	Fairway	Prospect
End-use group	Malting varieties														Feed varieties	
Scope of recommendation	UK	UK	UK	UK	UK	UK	UK	UK	W	UK	UK	UK	Sp	UK	UK	UK
	NEW	NEW		NEW		C	C		NEW			C		C	NEW	NEW
<b>Breeder/UK contact</b>																
Breeder	-	Ack	Sej	-	LimEur	SyP	RAGT	R2n	Sec	KWS	LimEur	SyP	SyP	Lim	NS	Sej
UK contact	Syn	ElsAck	Sen	Syn	Lim	Syn	RAGT	RAGT	Agr	KWS	Lim	Syn	Syn	Lim	Sen	Sen
<b>Annual treated yield (% control)</b>																
2015 (8.6 t/ha)	-	-	-	-	105	104	103	101	-	101	99	97	95	94	-	-
2016 (7.6 t/ha)	-	-	105	-	104	103	104	103	-	101	101	99	97	93	-	-
2017 (7.3 t/ha)	107	106	106	105	106	103	103	103	104	101	101	98	95	96	106	106
2018 (6.6 t/ha)	107	107	107	107	105	105	101	103	103	100	99	98	97	96	107	105
2019 (7.6 t/ha)	107	106	105	104	105	105	104	103	100	101	101	96	96	96	107	106
<b>Malting quality</b>																
Hot water extract (l deg/kg)	315.7	315.4	314.4	316.8	315.5	315.4	315.2	315.0	316.7	315.7	315.7	312.7	310.9	315.9	[314.0]	314.3
<b>Status in RL system</b>																
Year first listed	20	20	19	20	18	16	15	18	20	16	15	10	16	09	20	20
RL Status	P1	P1	P2	P1	-	-	-	-	P1	-	-	-	-	-	P1	P1

Average LSD (5%)

## Not added to Recommended List

	RGT Slipstream	Barbarella	Jaspa
	Malting varieties		Feed variety
	Not added to RL		Not added to RL
	-	-	-
	RAGT	Ack	Nord
	RAGT	ElsAck	SU
	-	-	-
	105	103	103
	105	104	105
	104	103	102
	315.7	315.3	[312.9]
	-	-	-
	-	-	-

All yields on this table are taken from treated trials receiving a full fungicide programme.

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[ ] = Limited data  
P1 = First year of recommendation  
P2 = Second year of recommendation

Ack = Ackermann Saatzucht GmbH ([www.sz-ackermann.de](http://www.sz-ackermann.de))  
Agr = Agrii ([www.agrii.co.uk](http://www.agrii.co.uk))  
ElsAck = Elsoms Ackermann Barley  
KWS = KWS UK ([www.kws-uk.com](http://www.kws-uk.com))  
Lim = Limagrain UK ([www.lgseeds.co.uk](http://www.lgseeds.co.uk))  
LimEur = Limagrain Europe SA ([www.lgseeds.co.uk](http://www.lgseeds.co.uk))  
Nord = Nordsaat, Germany ([www.nordsaat.de](http://www.nordsaat.de))  
NS = Nordic Seed, Denmark

R2n = RAGT, France ([www.ragt.co.uk](http://www.ragt.co.uk))  
RAGT = RAGT Seeds ([www.ragt.co.uk](http://www.ragt.co.uk))  
Sec = Secobra, France ([www.secobra.com](http://www.secobra.com))  
Sej = Sejet, Denmark ([www.sejet.com](http://www.sejet.com))  
Sen = Senova ([www.senova.uk.com](http://www.senova.uk.com))  
SU = Saaten Union UK ([www.saaten-union.co.uk](http://www.saaten-union.co.uk))  
Syn = Syngenta UK Ltd ([www.syngenta.co.uk](http://www.syngenta.co.uk))  
SyP = Syngenta Participations AG ([www.syngenta.co.uk](http://www.syngenta.co.uk))

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