

UPDATED RECOMMENDED LIST OF SUGAR BEET VARIETIES 2020 (Based on trials from 2017-

Rz1 rhizomania varieties		Control Value (C)	BTS 860	Sabatina KWS	Cantona KWS	Cayman	Hornet	Firefly	Haydn	Daphna	BTS1140	Kortessa KWS	Advana KWS	Lightning	BTS4100	Vixen	BTS 3325	Conger	Puffin	Degas	Flixter	Gauguin	Philina KWS	Smart Janninka KWS	
Status: (C) = control variety ¹			R(C)	R(C)	R(C)	R	R	R	R	PR3 (C)	PR2	PR2	PR1	PR1	PR1	PR1	PR3 (C)	PR1	PR1	PR3	PR2	PR2	PS2	PS1	
AYPR/BCN (per Breeder Claim)			-	-	BCN	-	-	-	-	BCN	-	-	-	-	-	-	-	-	-	-	BCN	BCN	AYPR	ALS	
CROP YIELDS MEAN																									
Adjusted tonnes % of C=100% ²	118.1 t/ha	100.0	100.0	99.9	99.1	96.3	96.1	94.3	95.6	102.6	101.8	101.9	101.1	100.5	100.1	98.3	98.4	98.5	96.6	96.7	96.0	96.1	101.4	88.7	
Sugar yield % of C=100% ²	18.1 t/ha		99.8	100.2	98.9	96.4	96.1	94.4	95.6	102.8	101.8	102.2	101.1	100.9	99.6	98.9	98.3	98.9	96.7	96.7	96.6	96.5	101.5	88.9	
Root yield % of C=100% ²	101.4 t/ha		98.7	101.7	98.0	97.0	96.2	95.0	95.9	104.3	102.4	103.5	100.3	103.8	97.1	101.0	97.3	100.3	97.4	96.8	99.4	98.5	102.4	89.6	
Sugar content %	17.8%		18.0	17.6	18.0	17.7	17.8	17.7	17.8	17.6	17.7	17.6	18.0	17.3	18.3	17.5	18.0	17.5	17.7	17.8	17.3	17.5	17.7	17.7	
BOLTERS per 100,000 plants/ha MEAN		95% lsd	99.9% lsd																						
"X" Unsuitable for sowing BEFORE Mid March				-	X	-	-	-	-	-	X	-	-	-	-	-	-	-	-	X	-	-	X	-	
Early sowing, before 5 March ³	2,199ha	3,315	4,288	3,074	3,457	3,256	1,070	1,904	2,228	1,275	2,690	4,495	1,972	2,681	3,295	1,570	1,871	1,780	2,034	1,716	4,058	3,266	1,291	6,278	2,733
Normal sowing	16/ha	59	89	45	16	7	0	30	19	23	9	35	7	9	0	0	9	9	0	0	50	0	33	26	0
PRE-GAPPING ESTABLISHMENT ⁴																									
Control	100%			100.2	101.0	100.7	99.5	103.3	101.7	101.2	98.9	100.0	100.2	99.6	102.4	98.6	101.3	99.2	99.7	101.2	101.5	99.4	101.0	102.3	98.6
DISEASE (1 = high leaf infection 9 = very low leaf infection) ⁵																									
Rust	4.8			4.3	4.9	4.3	5.5	5.4	3.7	4.5	4.3	5.0	7.7	(3.6)	(5.9)	(4.3)	(5.5)	3.8	(5.1)	(4.4)	6.0	1.8	3.7	3.0	(3.7)
Powdery mildew	4.6			5.8	5.0	5.8	3.7	3.8	4.0	3.9	5.6	4.6	5.7	(3.6)	(4.8)	(2.9)	(3.7)	5.5	(5.1)	(4.2)	2.5	4.2	2.5	4.6	(3.0)
RL SYSTEM																									
Year first listed				2016	2015	2016	2011	2014	2016	2013	2017	2018	2018	2019	2019	2019	2019	2017	2019	2019	2017	2016	2018	2018	2019
BREEDER/UK CONTACT ⁶																									
Breeder				BTS	KWS	KWS	SV	SV	SV	STR	KWS	BTS	KWS	KWS	SV	BTS	SV	BTS	SV	SV	STR	MH	STR	KWS	KWS
UK Agent				LG	KWS	KWS	SV	SV	SV	STR	KWS	LG	KWS	KWS	SV	LG	SV	LG	SV	SV	STR	MH	STR	KWS	KWS

1 Newly listed varieties (PR1/PS1) have results from three years using approximately 2 kgs breeders' seed. Thereafter commercial seed should be used in RL trials. (See supplementary table).

2 Yields based on an average plant population of 103,100 plants/ha in these trials. Differences in adjusted tonnes of less than 2.8% should be treated with reserve.

3 The ratings from normal sowings are applicable for sowing after mid-March in most seasons.

4 Differences in establishment of less than 3.7% should be treated with reserve.

5 Observations taken from inoculated trials that are not taken to yield.

6 BTS = Betaseed, KWS = KWS UK Ltd, LG = Limagrains UK Ltd, STR = Strube Sugar Beet UK Ltd, SV = SESVanderHave UK Ltd, MH = MariboHilleshög

Brackets indicate figure derived from fewer than 3 years of data

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Data in bold from commercial seed.