

RECOMMENDED LIST OF SUGAR BEET VARIETIES 2021 - untreated trials (Based on trials from 2018-2019)

Rz1 rhizomania varieties		Daphna	Sabatina KWS	Cantona KWS	BTS 3325	Degas	BTS1915	Evalotta KWS	Kortessa KWS	BTS1140	Advena KWS	Castriona KWS	Eldorana KWS	Lightning	Sancha KWS	Lacewing	BTS4100	Conger	Vixen	Puffin	Philina KWS	Smart Rivetta KWS	Smart Janninka KWS	
Status: (C) = control variety ¹		R(C)	R(C)	R(C)	R(C)	R	PR1	PR1	PR3	PR3	PR2	PR1	PR1	PR2	PR1	PR1	PR1	PR2	PR2	PR2	PS3	PS1	PS1	
AYPR/BCN as claimed by the Breeder		BCN	-	BCN	-	-	-	-	-	-	-	-	-	-	-	BCN	-	-	-	-	AYPR	ALS	ALS	
CROP YIELDS	MEAN																							
Adjusted tonnes % of C=100% ²	98.5 t/ha	101.5	100.1	100.0	99.1	95.8	110.1	101.9	101.0	100.4	99.0	98.1	94.8	98.4	97.7	97.6	100.0	94.9	97.8	91.5	95.0	91.5	85.3	
Sugar yield % of C=100% ²	15.1 t/ha	101.7	100.3	99.8	98.8	95.8	110.3	102.0	101.2	100.8	98.8	98.2	95.0	99.1	97.7	97.5	99.5	95.7	99.1	91.4	95.6	92.1	85.8	
Root yield % of C=100% ²	85.8 t/ha	102.7	101.0	99.3	97.5	96.3	111.1	102.9	101.6	102.0	97.5	99.2	94.9	102.3	97.2	97.7	96.5	98.4	103.9	92.0	97.7	93.8	87.6	
Sugar content %	17.7%	98.8	99.7	100.5	101.2	99.4	99.3	99.0	99.5	99.0	101.5	99.2	100.4	96.7	100.7	99.6	103.3	97.6	95.8	99.6	98.3	98.3	98.2	
BOLTERS per 100,000 plants/ha	MEAN																							
Normal sowing	9/ha	0	0	0	52	0	47	0	52	0	52	0	0	0	0	47	0	0	0	0	54	52	0	
PRE-GAPPING ESTABLISHMENT ³																								
Control	100%	98.8	97.6	102.7	102.3	102.6	104.3	101.4	100.7	98.1	102.5	100.8	104.6	105.3	100.9	103.4	99.5	99.4	100.8	98.8	105.0	98.0	102.7	
DISEASE PERCENTAGE	%																							
Rust	11	9	9	10	12	14	8	22	6	10	17	20	21	11	11	16	11	14	11	15	20	13	12	
Powdery mildew	9	9	7	9	9	28	10	14	8	10	12	10	9	16	14	17	18	12	16	15	14	10	26	
RL SYSTEM																								
Year first listed		2017	2015	2016	2017	2017	2020	2020	2018	2018	2019	2020	2020	2019	2020	2020	2019	2019	2019	2019	2019	2018	2020	2019
BREEDER/UK CONTACT ⁴																								
Breeder		KWS	KWS	KWS	BTS	STR	BTS	KWS	KWS	BTS	KWS	KWS	KWS	SV	KWS	SV	BTS	SV	SV	SV	KWS	KWS	KWS	
UK Agent		KWS	KWS	KWS	LG	STR	LG	KWS	KWS	LG	KWS	KWS	KWS	SV	KWS	SV	LG	SV	SV	SV	KWS	KWS	KWS	

Mean of control values include BTS 860 which is no longer listed.

¹ Unlike the main treated RL table, the data in this table are from just two years. Provenance is determined by use in treated trials. (See supplementary table).

² Yields based on an average plant population of 103,900 plants/ha in these trials. Differences in adjusted tonnes of less than 8.9% should be treated with reserve.

³ Differences in establishment of less than 7.3% should be treated with reserve.

⁴ BTS = Betaseed, KWS = KWS UK Ltd, LG = Limagrain UK Ltd, STR = Strube Sugar Beet UK Ltd, SV = SESVanderHave UK Ltd