

RECOMMENDED LIST OF SUGAR BEET VARIETIES 2025 (Based on trials from 2021-2023)

UNTREATED DATA from 4 trials in 2021, 3 trials in 2022 and 2 trials in 2023

Rz1 rhizomania varieties			BTS1915	Daphna	Harryetta KWS	Katjana KWS	Chyma KWS	Annatina KWS	Josephina KWS	Morgan	ST Tweed	Magpie	ST Trent	Wren	Button	Osprey	BTS3610	Stewart	Tawny	Adder	Smart Uma KWS	BTS Smart 9485	Smart Vesnica KWS	Maruscha KWS	
Status: (C) = control variety ¹			Y5(C)	Y8 (C)	Y3	Y4(C)	Y1	Y3	Y1	Y3	Y1	Y1	Y1	Y4(C)	Y3	Y2	Y3	Y3	Y3	Y3	SY1	SY3	SY2	SY4	
AYPR/BCN/ALS/VY/Cercospora as claimed by the Breeder			-	BCN	BCN	BCN	CERC	-	-	-	-	-	-	-	BCN	AYPR	-	-	-	-	ALS	ALS	ALS	V	
CROP YIELDS ²	MEAN	95% Isd																							
Adjusted tonnes % of C=100% ³	107.3 t/ha	4.3	103.5	100.7	100.4	98.6	105.2	102.2	94.5	98.4	101.1	96.8	95.7	97.5	97.2	96.9	101.1	97.3	96.5	96.8	94.4	92.3	96.0	91.6	
Sugar yield % of C=100% ³	17.2 t/ha	4.3	103.5	100.7	100.4	98.6	105.2	102.2	94.5	98.4	101.1	96.8	95.7	97.5	97.2	96.9	101.1	97.3	96.5	96.8	94.4	92.3	96.0	91.6	
Root yield % of C=100% ³	103.5 t/ha	3.5	102.7	100.3	100.1	98.5	104.1	100.0	92.1	98.1	100.0	97.5	94.8	99.4	97.5	98.3	99.1	96.3	98.3	99.3	93.0	94.1	92.0	89.8	
Sugar content %	16.5%	2.3	16.66	16.59	16.56	16.55	16.75	16.90	16.97	16.53	16.65	16.39	16.63	16.19	16.50	16.25	16.90	16.66	16.26	16.11	16.82	16.21	17.20	16.83	
BOLTERS per 100,000 plants/ha	MEAN	99.9% Isd																							
Normal sowing ⁴	23 /ha	172	38	0	19	26	9	0	9	26	79	33	64	0	19	84	21	59	21	0	67	26	2	0	
PRE-GAPPING ESTABLISHMENT ⁵																									
Control	100%		100.2	99.0	98.0	100.0	97.5	94.6	97.5	98.4	93.6	97.2	97.2	100.9	100.0	99.6	98.5	96.1	98.3	99.3	97.9	95.6	99.2	96.1	
TOTAL MEASURED IMPURITIES (IMP/100G SUGAR)		95% Isd																							
Control	4.02	4.62	4.32	4.12	3.91	3.56	4.04	3.89	3.98	3.53	3.64	3.85	3.53	4.30	3.63	3.88	3.69	3.51	4.28	4.20	4.30	4.01	4.08	4.42	
RL SYSTEM																									
Year first listed			2020	2017	2022	2021	2024	2022	2024	2022	2024	2024	2024	2024	2021	2022	2023	2022	2022	2022	2022	2024	2022	2023	2021
BREEDER/UK CONTACT ⁶																									
Breeder			BTS	KWS	KWS	KWS	KWS	KWS	KWS	STR	STR	SV	STR	SV	STR	SV	BTS	STR	SV	SV	KWS	BTS	KWS	KWS	
UK Agent			LG	KWS	KWS	KWS	KWS	KWS	KWS	STR	STR	SV	STR	SV	STR	SV	LG	STR	SV	SV	KWS	LG	KWS	KWS	

Mean of controls includes BTS1140 which is no longer listed

1 Newly listed varieties (Y1/SY1) have results from two years using approximately 2 kgs breeders' seed (Not in trial in 2021). Thereafter commercial seed should be used in RL trials.

2 4 trials were drilled and had data collected in 2023; 2 of these trials were used in the harvested results presented.

3 Yields based on an average plant population of 102,500 plants/ha in these trials. Differences in adjusted tonnes of less than 4.3% should be treated with reserve.

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

5 Differences in establishment of less than 3.8% should be treated with reserve.

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

RECOMMENDED LIST OF SUGAR BEET VARIETIES 2025 (Based on trials from 2021-2023)

Rz1 rhizomania varieties 3-year data				BTS1915	Daphna	Harryetta KWS	Katjana KWS	Chyma KWS	Annatina KWS	Josephina KWS	Morgan	ST Tweed	Magpie	ST Trent	Wren	Button	Osprey	BTS3610	Stewart	Tawny	Adder	Smart Uma KWS	BTS Smart 9485	Smart Vesnica KWS	Maruscha KWS	
STATUS (C) = control variety				Y5(C)	Y8 (C)	Y3	Y4(C)	Y1	Y3	Y1	Y3	Y1	Y1	Y1	Y4(C)	Y3	Y2	Y3	Y3	Y3	Y3	SY1	SY3	SY2	SY4	
AYPR/BCN/ALS/VY/Cercospora as claimed by the Breeder				-	BCN	BCN	BCN	CERC	-	-	-	-	-	-	-	BCN	AYPR	-	-	-	-	ALS	ALS	ALS	V	
ADJUSTED TONNES (Gapped Trials)		T's per ha	95% lsd																							
% Mean of (C)	Mean	107.3	4.3	103.5	100.7	100.4	98.6	105.2	102.2	94.5	98.4	101.1	96.8	95.7	97.5	97.2	96.9	101.1	97.3	96.5	96.8	94.4	92.3	96.0	91.6	
	2023	101.9	5.9	104.5	103.4	98.7	97.1	106.1	101.1	94.9	101.7	101.8	99.6	96.1	97.3	96.6	98	100.9	101.9	96.5	99.4	94.8	94.1	94	88.5	
	2022	99.2	5.5	102.2	100.1	100.8	96.4	-	104.0	-	97.0	-	94.7	-	98.9	95.2	95.9	101.2	92.0	96.6	95.9	-	90.4	97.1	92.3	
	2021	116.2	3.4	103.9	100.0	100.8	100.7	-	101.6	-	97.8	-	-	-	96.7	98.8	-	101.1	98.7	96.5	96.2	-	92.8	-	92.5	
SUGAR YIELD (Gapped Trials)																										
% Mean of (C)	Mean	17.2	4.3	103.5	100.7	100.4	98.6	105.2	102.2	94.5	98.4	101.1	96.8	95.7	97.5	97.2	96.9	101.1	97.3	96.5	96.8	94.4	92.3	96.0	91.6	
	2023	16.3	5.9	104.5	103.4	98.7	97.1	106.1	101.1	94.9	101.7	101.8	99.6	96.1	97.3	96.6	98	100.9	101.9	96.5	99.4	94.8	94.1	94	88.5	
	2022	15.9	5.5	102.2	100.1	100.8	96.4	-	104.0	-	97.0	-	94.7	-	98.9	95.2	95.9	101.2	92.0	96.6	95.9	-	90.4	97.1	92.3	
	2021	18.6	3.4	103.9	100.0	100.8	100.7	-	101.6	-	97.8	-	-	-	96.7	98.8	-	101.1	98.7	96.5	96.2	-	92.8	-	92.5	
ROOT YIELD (Gapped Trials)																										
% Mean of (C)	Mean	103.5	3.5	102.7	100.3	100.1	98.5	104.1	100.0	92.1	98.1	100.0	97.5	94.8	99.4	97.5	98.3	99.1	96.3	98.3	99.3	93.0	94.1	92.0	89.8	
	2023	102.9	5.0	103.9	102.2	99.5	97.3	104.4	99.2	92.3	100	100.3	98.9	95	98.9	96	95.6	99.2	97.9	99.4	101.1	93.2	95.2	91.4	87.5	
	2022	100.5	4.1	102.5	99.8	100.6	96.3	-	99.9	-	97.7	-	96.3	-	100.5	96.1	100.0	98.2	92.5	97.6	98.5	-	92.3	92.0	90.3	
	2021	106.0	3.1	102.4	99.8	100.1	100.6	-	100.5	-	97.5	-	-	-	98.9	99.2	-	99.6	98.2	98.3	99.1	-	94.9	-	90.6	
SUGAR CONTENT (Gapped Trials)		%																								
Sugar %	Mean	16.5	2.3	16.7	16.6	16.6	16.6	16.8	16.9	17.0	16.5	16.7	16.4	16.6	16.2	16.5	16.3	16.9	16.7	16.3	16.1	16.8	16.2	17.2	16.8	
	2023	15.8	2.9	15.9	16.0	15.7	15.8	16.1	16.1	16.3	16.0	16.0	15.9	16.0	15.6	16.0	16.2	16.1	16.4	15.4	15.5	16.2	15.7	16.3	16.0	
	2022	15.7	3.2	15.7	15.7	15.7	15.7	-	16.3	-	15.5	-	15.4	-	15.4	15.5	15.0	16.2	15.5	15.5	15.3	-	15.4	16.5	16.0	
	2021	17.5	1.8	17.8	17.6	17.6	17.5	-	17.8	-	17.6	-	-	-	17.1	17.5	-	17.8	17.7	17.2	17.0	-	17.1	-	17.9	
NORMAL SOWN BOLTERS		Mean of (C)	99.9% lsd																							
Bolters/ha (per 100,000 plants)	Mean	23	172	38	0	19	26	9	0	9	26	79	33	64	0	19	84	21	59	21	0	67	26	2	0	
	2023	12	176	0	0	0	64	0	0	0	64	69	0	54	0	0	0	0	96	0	0	57	64	0	0	
	2022	19	471	0	0	94	0	-	0	-	0	-	96	-	0	0	268	0	102	0	0	-	0	0	0	
	2021	40	209	99	0	0	0	-	0	-	0	-	-	-	0	45	-	54	0	52	0	-	0	-	0	
PRE-GAPPING ESTABLISHMENT		Mean of (C)																								
Plant population as % mean of (C) 2 sites in 2021 sown at 9cm spacing	Mean	100	3.8	100.2	99.0	98.0	100.0	97.5	94.6	97.5	98.4	93.6	97.2	97.2	100.9	100.0	99.6	98.5	96.1	98.3	99.3	97.9	95.6	99.2	96.1	
	2023	127	5.0	99.7	99.3	99.1	99.9	96.9	95	96.9	97.6	92.4	99.1	96.5	100.3	94.3	94.8	99.9	97.9	95	96.9	97.3	92	100.6	97.6	
	2022	185	4.8	100.4	97.7	99.0	99.3	-	96.0	-	98.8	-	95.8	-	101.5	102.2	102.6	93.2	95.1	100.1	102.0	-	94.9	97.5	95.4	
	2021	120	4.5	99.8	100.3	95.1	101.4	-	91.7	-	97.5	-	-	-	100.3	104.3	-	102.2	98.1	100.0	98.2	-	99.2	-	96.9	
RL SYSTEM																										
Year first listed				2020	2017	2022	2021	2024	2022	2024	2022	2024	2024	2024	2024	2021	2022	2023	2022	2022	2022	2022	2024	2022	2023	2021
BREEDER UK CONTACT																										
Breeder				BTS	KWS	KWS	KWS	KWS	KWS	KWS	STR	STR	SV	STR	SV	STR	SV	BTS	STR	SV	SV	KWS	BTS	KWS	KWS	
UK Agent				LG	KWS	KWS	KWS	KWS	KWS	KWS	STR	STR	SV	STR	SV	STR	SV	LG	STR	SV	SV	KWS	LG	KWS	KWS	

Newly listed varieties not in trial in 2021 or 2022; Magpie not in 2021

Y2 & SY2 not in trial 2021