RECOMMENDED LIST OF SUGAR BEET VARIETIES 2024 (Based on trials from 2020-2022)

Rz1 rhizomania varieties

				BTS1915	Daphna	BTS1140	Harryetta KWS	Katjana KWS	Annatina KWS	Wren	Osprey	BTS3610	Morgan	Button	BTS3020	Adder	Tawny	Stewart	Philina KWS	BTS Smart 9485	Smart Vesnica KWS	Maruscha KWS
Status: (C) = control variety[1]				Y4(C)	Y7(C)	Y6(C)	Y2	Y3	Y2	Y3	Y1	Y2	Y2	Y2	Y3	Y2	Y2	Y2	SY6	SY2	SY1	SY3
AYPR/BCN/ALS/VY as claimed by the Breeder				-	BCN	-	BCN	BCN	-	-	AYPR	-	-	BCN	-	-	-	-	AYPR	ALS	ALS	V
CROP YIELDS	MEAN		95% lsd																			
Adjusted tonnes % of C=100%[2]	103.3 t/ha	100.0	3.8	103.9	101.5	99.1	102.9	101.6	100.4	99.2	99.2	98.9	98.8	98.2	98.0	98.0	97.6	97.2	97.5	94.3	94.0	89.9
Sugar yield % of C=100%[2]	16.53 t/ha		3.8	103.9	101.5	99.1	102.9	101.6	100.4	99.2	99.2	98.9	98.8	98.2	98.0	98.0	97.6	97.2	97.5	94.3	94.0	89.9
Root yield % of C=100%[2]	95.4 t/ha		3.5	104.5	101.8	99.5	103.8	101.2	99.3	102.4	100.6	98.1	98.5	99.4	96.3	100.7	99.1	96.7	98.4	96.4	92.6	88.6
Sugar content %	17.2%		0.22	17.1	17.2	17.2	17.1	17.3	17.4	16.7	16.9	17.4	17.2	17.0	17.5	16.8	17.0	17.3	17.1	16.9	17.4	17.4
BOLTERS per 100,000 plants/ha	MEAN	95% lsd	99.9% lsd																			
"X" Unsuitable for sowing BEFORE Mid March for new (2024) list				X									X			X			X			X
Early sowing, before 5 March[3]	1,735 /ha	2,990	4,157	4,117	1,729	1,564	1,344	1,118	1,748	1,904	[2020]	2,170	3,385	1,547	1,023	3,169	2,802	1,871	3,375	1,489	1,972	4,200
Normal sowing	26 /ha	-	152	21	7	64	0	9	9	72	26	0	28	9	21	9	47	16	47	21	12	76
PRE-GAPPING ESTABLISHMENT [4]																						
Control	100%		4.2	100.6	100.8	100.5	99.1	101.3	97.1	102.9	102.8	99.3	100.3	101.9	100.8	102.0	101.7	99.0	102.4	97.5	101.3	97.1
DISEASE (1 = high leaf infection 9 = very low leaf infection)[5]																						
Rust	5.7			6.8	4.8	6.5	3.5	2.8	5.5	5.7	[4.7]	6.2	4.1	4.5	8.1	5.7	6.8	2.8	2.5	5.9	[7.2]	6.7
Powdery mildew	5.0			5.1	4.9	4.5	4.6	4.9	4.8	4.8	[4.2]	5.2	4.0	4.7	5.2	5.0	5.1	4.0	4.6	5.7	[3.9]	2.4
Cercospora	6.5			[6.6]	[6.8]	[6.1]	[6.3]	[6.4]	[5.9]	[6.5]	[7.6]	[6.9]	[6.0]	[6.3]	[7.2]	[6.5]	[7.3]	[5.5]	[6.7]	[6.0]	[7.0]	[8.5]
OTHER CLAIMS																						
AYPR (Aggressive rhizomania)				-	-	-	-	-	-	-	Y	-	-	-	-	-	-	-	Y	-	-	-
ALS (Herbicide Tolerant)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Y	Y	-
BCN (as claimed by the Breeder)				-	Y	-	Y	Y	-	-	-	-	-	Y	-	-	-	-	-	-	-	-
V (as claimed by the Breeder)[6]				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	V
RL SYSTEM																						
Year first listed				2020	2017	2018	2022	2021	2022	2021	2023	2022	2022	2022	2021	2022	2022	2022	2018	2022	2023	2021
BREEDER/UK CONTACT[7]																						
Breeder				BTS	KWS	BTS	KWS	KWS	KWS	SV	SV	BTS	STR	STR	BTS	SV	SV	STR	KWS	BTS	KWS	KWS
UK Agent				LG	KWS	LG	KWS	KWS	KWS	SV	SV	LG	STR	STR	LG	SV	SV	STR	KWS	LG	KWS	KWS

Mean of controls includes Kortessa KWS and Evalotta KWS which are no longer listed.

1 Newly listed varieties (Y1/SY1) have results from three years using approximately 2 kgs breeders' seed. Thereafter commercial seed should be used in RL trials.

2 Yields based on an average plant population of 99,000 plants/ha in these trials. Differences in adjusted tonnes of less than 3.8% 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 4.2% should be treated with reserve.

5 Cercospora ratings should be treated with caution as infections were low and are based on 2020 and 2021 data only.

6 Breeders claims are for tolerance to some of the yellowing viruses

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

8. [ ] - limited data