

RECOMMENDED LIST OF SUGAR BEET VARIETIES 2022 (Based on trials from 2018-2020)

Rz1 rhizomania varieties 3-year data					Daphna	BTS1140	Kortessa KWS	BTS1915	Katjana KWS	BTS3020	Wren	BTS5770	Evalotta KWS	Advena KWS	Sancha KWS	BTS4100	Lacewing	Philina KWS	Maruscha KWS	Smart Rixta KWS	Smart Janninka KWS	
STATUS (C) = control variety					R(C)	R (C)	R (C)	PR2	PR1	PR1	PR1	PR1	PR2	PR3	PR1	PR2	PR2	S (C)	PS1	PS1	PS1	
AYPR/BCN/ALS/virus as claimed by the Breeder					BCN	-	-	-	BCN	-	-	-	-	-	-	-	BCN	AYPR	Virus	ALS	ALS	
ADJUSTED TONNES (Gapped Trials)		T's per ha	Control	95% lsd																		
		Mean	105.8	2.8	101.0	100.0	99.9	107.3	102.7	102.2	101.7	101.5	101.4	99.8	99.1	99.0	98.7	99.2	93.5	92.2	88.6	
% Mean of (C)	2020	101.1			100.9	100.5	99.4	107.9	102.5	105.8	101.4	101.2	100.4	96.7	98.7	98.6	96.2	99.2	93.6	89.0	87.1	
	2019	116.4			100.4	101.1	98.4	106.5	100.8	100.5	102.0	99.9	100.1	98.5	99.0	99.2	98.6	100.1	90.6	93.1	88.6	
	2018	102.3			101.4	98.8	101.2	107.5	104.2	102.1	101.6	102.9	103.0	102.7	99.4	99.1	100.4	98.6	95.7	93.5	89.6	
	Mean	16.9			101.0	100.0	99.9	107.3	102.7	102.2	101.7	101.5	101.4	99.8	99.1	99.0	98.7	99.2	93.5	92.2	88.6	
% Mean of (C)	2020	16.2			100.9	100.5	99.4	107.9	102.5	105.8	101.4	101.2	100.4	96.7	98.7	98.6	96.2	99.2	93.6	89.0	87.1	
	2019	18.6			100.4	101.1	98.4	106.5	100.8	100.5	102.0	99.9	100.1	98.5	99.0	99.2	98.6	100.1	90.6	93.1	88.6	
	2018	16.4			101.4	98.8	101.2	107.5	104.2	102.1	101.6	102.9	103.0	102.7	99.4	99.1	100.4	98.6	95.7	93.5	89.6	
	Mean	99.5			101.3	99.6	99.7	107.1	101.6	100.2	104.5	98.2	100.3	98.1	97.2	95.4	97.0	99.4	91.6	91.3	87.9	
% Mean of (C)	2020	97.5			101.5	100.5	98.1	107.9	102.2	103.2	105.6	98.3	99.9	95.2	97.4	95.0	96.5	99.9	91.1	88.9	85.1	
	2019	111.4			100.6	100.1	99.1	105.9	100.1	98.7	103.0	97.0	98.5	97.9	97.6	94.8	96.0	100.2	88.6	92.2	88.2	
	2018	92.2			101.6	98.6	101.5	107.4	102.4	100.1	105.1	99.3	102.3	100.4	96.8	96.1	98.1	98.3	94.4	92.3	89.6	
	Mean	17.1			17.0	17.2	17.1	17.1	17.2	17.4	16.6	17.6	17.2	17.3	17.4	17.7	17.3	17.1	17.4	17.2	17.2	
Sugar %	2020	16.6			16.4	16.6	16.8	16.6	16.6	16.6	17.0	16.0	17.1	16.7	16.8	16.8	17.2	16.6	16.5	17.0	16.6	17.1
	2019	16.7			16.7	16.9	16.6	16.8	16.8	16.8	17.0	16.5	17.2	17.0	16.8	16.9	17.5	17.2	16.7	17.1	16.8	16.8
	2018	17.9			17.8	17.9	17.8	17.8	18.2	18.2	17.2	18.5	18.0	18.2	18.3	18.4	18.2	17.9	18.0	18.1	17.8	
	Mean	99.9%																				
EARLY SOWN BOLTERS		Mean of (C) (excluding X)	95% lsd	99.9% lsd																		
"X" Unsuitable for sowing BEFORE Mid March								X	-	-	-	-	X						X	X	X	
Bolters/ha (per 100,000 plants) Sown on or before 5th March	Mean	1,911	2,972	3,905	2,119	2,882	1,723	6,674	1,630	675	2,532	968	3,111	2,083	1,259	1,438	2,963	4,445	7,204	3,335	2,855	
	2020	888	1,877	2,831	1,203	832	618	2,041	766	230	1,094	493	1,460	340	535	888	503	2,540	2,412	1,891	1,729	
	2019	5,871	9,162	12,257	6,096	10,695	5,653	12,152	3,677	1,864	7,260	2,597	7,590	7,091	3,831	2,837	3,732	8,863	11,531	8,162	6,691	
	2018	774	1,710	2,614	832	1,410	718	8,661	1,065	265	1,333	355	2,020	1,350	462	914	6,447	3,315	10,169	1,877	1,570	
NORMAL SOWN BOLTERS		Mean of (C)	95% lsd	99.9% lsd																		
Bolters/ha (per 100,000 plants)	Mean	30	-	96	0	74	9	16	0	14	23	0	23	12	0	0	26	40	0	14	21	
	2020	42	-	221	0	109	0	59	0	52	52	0	89	0	0	0	50	69	0	57	79	
	2019	33	-	111	0	50	23	0	0	0	23	0	0	26	0	0	0	54	0	0	0	
	2018	19	-	100	0	76	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	
	Mean	170			98.0	98.6	100.3	103.5	99.7	101.1	102.2	101.9	101.6	99.4	98.8	97.7	102.0	103.2	96.7	101.9	97.9	
Plant population as % mean of (C) 2018 & 2019 seed sown at 9cm spacing	2020	98			100.9	98.7	98.0	100.5	97.5	101.2	101.9	101.9	97.7	98.5	92.3	101.0	103.0	102.4	96.6	99.9	95.1	
	2019	192			98.1	97.3	100.3	105.6	101.3	101.5	100.9	101.8	103.0	101.4	98.6	97.5	102.7	104.2	97.3	103.3	101.5	
	2018	217			97.2	99.7	101.0	102.3	98.9	100.6	103.2	101.8	101.5	97.9	100.9	97.3	100.8	102.1	96.4	101.1	95.7	
	Mean	10			9	9	5	7	13	6	8	5	18	15	12	10	12	16	8	12	12	
% leaf infection Natural & inoculated trials (all data re-transformed)	2020	6			6	6	5	9	9	4	5	4	9	10	9	6	5	8	5	6	8	
	2019	11			10	7	4	4	12	5	8	4	24	18	11	11	15	21	7	16	14	
	2018	15			14	17	8	13	-	-	-	-	23	18	14	15	20	20	-	-	16	
	Mean	2			1	2	1	2	1	2	2	1	3	5	3	12	4	3	9	2	9	
% leaf infection Natural infected trials (all data re-transformed)	2020	0			0	1	0	0	0	0	0	0	0	2	1	10	1	1	5	1	1	
	2019	4			3	5	2	9	2	5	4	3	6	13	8	12	8	7	14	4	20	
	2018	1			1	2	0	1	1	4	3	1	6	4	3	16	6	3	9	2	17	
	Mean	1			1	3	1	2	2	1	1	1	5	1	2	2	1	1	0	2	2	
% leaf infection Natural infected trials (mean data re-transformed)	2020	3	1 trial		2	7	1	4	7	2	4	1	5	4	4	4	4	1	1	2	1	
	2019	1	3 trials		0	3	1	2	2	0	1	2	6	1	2	2	2	1	0	2	3	
	2018	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Mean																					

Data in bold from commercial seed.  
\* Note 2020 trials grown in a stand.

"-" denotes insufficient or no data