

RECOMMENDED LIST OF SUGAR BEET VARIETIES 2021 (Based on trials from 2017-2019)



Rz1 rhizomania varieties 3-year data					Daphna	Sabatina KWS	Cambrona KWS	BTS 3325	Degas	BTS1915	Evalotta KWS	Kortessa KWS	BTS1140	Advana KWS	Catrina KWS	Eldorana KWS	Lightning	Sancha KWS	Lacewing	BTS4100	Conger	Vixen	Puffin	Philina KWS	Smart Rivetta KWS	Smart Janninka KWS		
STATUS (C) = control variety					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		
ADJUSTED TONNES (Gapped Trials) T's per ha			Control	95% lsd																								
% Mean of (C)	Mean	118.1	100.0	2.8	102.6	99.9	99.1	98.4	96.7	108.1	103.0	101.9	101.8	101.1	100.7	100.6	100.5	100.4	100.4	100.1	98.5	98.3	96.6	101.4	92.5	88.7		
	2019	118.6			101.5	100.5	99.0	97.5	96.3	108.0	101.9	99.6	102.9	99.9	98.1	98.5	99.9	100.7	100.7	101.8	98.3	96.2	93.8	101.4	90.8	89.9		
	2018	106.7			101.8	98.2	99.4	99.5	97.7	107.9	103.3	101.3	98.9	103.3	102.6	101.2	101.7	100.1	101.1	99.8	98.3	99.8	96.5	99.0	92.3	89.7		
	2017	129.8			104.0	101.0	99.0	98.1	96.0	108.4	103.6	104.4	103.6	100.1	100.9	101.7	99.7	100.5	99.5	99.0	99.0	98.7	98.7	103.6	94.0	86.9		
SUGAR YIELD (Gapped Trials)																												
% Mean of (C)	Mean	18.1			102.8	100.2	98.9	98.3	96.7	108.2	103.0	102.2	101.8	101.1	100.8	100.5	100.9	100.3	100.2	99.6	98.9	98.9	96.7	101.5	92.7	88.9		
	2019	18.3			102.1	100.9	98.7	97.4	96.6	108.3	101.7	100.1	102.8	100.1	98.4	98.7	100.5	100.7	100.3	100.9	99.1	97.9	94.2	101.8	91.0	90.2		
	2018	16.3			101.9	98.5	99.1	99.5	97.6	108.0	103.4	101.6	99.2	103.1	102.7	100.9	102.1	99.8	100.8	99.5	98.4	99.9	96.7	99.1	92.7	90.0		
	2017	19.7			104.2	101.2	98.9	97.9	95.9	108.4	103.6	104.4	103.6	100.0	100.9	101.6	100.2	100.6	99.5	98.8	99.2	98.7	98.7	103.6	94.1	86.9		
ROOT YIELD (Gapped Trials)																												
% Mean of (C)	Mean	101.4			104.3	101.7	98.0	97.3	96.8	108.8	102.9	103.5	102.4	100.3	101.5	99.5	103.8	99.8	99.1	97.1	100.3	101.0	97.4	102.4	93.6	89.6		
	2019	108.2			103.6	102.2	98.1	96.5	97.7	109.1	101.4	102.0	103.0	100.7	99.8	99.6	102.5	100.5	98.8	97.6	101.9	102.9	95.4	103.2	91.7	90.8		
	2018	90.8			103.3	100.2	97.7	98.9	97.9	109.0	103.9	103.1	100.1	102.0	103.0	98.9	104.8	98.3	99.6	97.5	99.3	101.0	98.5	99.8	94.5	91.0		
	2017	106.9			105.7	102.6	98.3	96.5	94.9	108.5	103.4	105.2	104.0	98.3	101.6	100.0	103.9	100.8	98.9	96.3	99.9	99.5	98.3	104.2	94.3	87.2		
SUGAR CONTENT (Gapped Trials) %																												
Sugar %	Mean	17.8			17.6	17.6	18.0	18.0	17.8	17.7	17.8	17.6	17.7	18.0	17.7	18.0	17.3	17.9	18.0	18.3	17.5	17.5	17.7	17.7	17.6	17.7		
	2019	16.9			16.7	16.7	17.0	17.1	16.7	16.8	17.0	16.6	16.9	16.8	16.7	16.8	16.6	16.9	17.2	17.5	16.4	16.1	16.7	16.7	16.8	16.8		
	2018	18.0			17.8	17.8	18.3	18.2	17.9	17.8	18.0	17.8	17.9	18.2	18.1	18.4	17.6	18.3	18.2	18.4	17.8	17.8	17.7	17.9	17.7	17.8		
	2017	18.5			18.2	18.2	18.6	18.7	18.6	18.5	18.5	18.3	18.4	18.8	18.4	18.7	17.8	18.5	18.6	19.0	18.3	18.3	18.6	18.4	18.4	18.4		

Rz1 rhizomania varieties 3-year data (continued)					Daphna	Sabatina KWS	Cantona KWS	BTS 3325	Degas	BTS1915	Evalotta KWS	Kortessa KWS	BTS1140	Advena KWS	Catriona KWS	Eldorana KWS	Lightning	Sancha KWS	Lacewing	BTS4100	Conger	Vixen	Puffin	Philina KWS	Smart Rivetta KWS	Smart Janninka KWS
EARLY SOWN BOLTERS "X" Unsuitable for sowing BEFORE Mid March		Mean of (C) (excluding X)	95% lsd	99.9% lsd	-	X	-	-	X	X	X	-	X	-	-	-	-	-	X	-	-	-	-	X	-	-
Bolters/ha (per 100,000 plants) Sown on or before 5th March	Mean	2,199	3,315	4,288	2,690	3,457	3,256	1,780	4,058	8,484	3,498	1,972	4,495	2,681	1,265	2,083	3,295	1,667	4,916	1,570	2,034	1,871	1,716	6,278	1,564	2,733
	2019	4,200	6,551	8,728	6,096	10,298	7,035	2,819	13,859	12,152	7,590	5,653	10,695	7,091	2,581	2,811	6,870	3,831	3,732	2,837	6,727	6,962	4,675	8,863	3,943	6,691
	2018	858	1,864	2,843	832	1,193	1,582	884	1,350	8,661	2,020	718	1,410	1,350	641	1,138	1,065	462	6,447	914	901	472	919	3,315	652	1,570
	2017	2,516	4,370	6,161	3,009	2,698	2,793	2,083	2,802	6,047	2,673	1,339	5,124	1,748	1,004	2,733	3,955	1,754	4,998	1,344	923	1,061	892	8,247	1,118	1,716
NORMAL SOWN BOLTERS		Mean of (C)	95% lsd	99.9% lsd																						
Bolters/ha (per 100,000 plants)	Mean	16	59	89	9	16	7	9	50	0	0	7	35	9	0	0	0	0	9	0	0	9	0	26	67	0
	2019	12	76	123	0	0	0	0	26	0	0	23	50	26	0	0	0	0	0	0	0	28	0	54	79	0
	2018	9	69	112	0	0	0	26	26	0	0	0	50	0	0	0	0	0	26	0	0	0	0	0	86	0
	2017	35	99	145	28	57	26	0	109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	30	0
PRE-GAPPING ESTABLISHMENT		Mean of (C)																								
Plant population as % mean of (C) Seed sown at 9cm spacing	Mean	198			98.9	101.0	100.7	99.2	101.5	103.7	102.5	100.2	100.0	99.6	98.1	100.1	102.4	100.6	102.3	98.6	99.7	101.3	101.2	102.3	95.2	98.6
	2019	192			98.2	101.7	100.5	100.4	102.0	105.7	103.1	100.4	97.4	101.5	97.6	102.3	101.2	98.7	102.7	97.5	102.1	101.1	100.6	104.3	97.0	101.6
	2018	214			98.6	100.5	100.3	100.1	101.4	103.7	102.9	102.3	101.0	99.2	96.4	100.4	104.2	102.3	102.1	98.6	98.9	103.2	100.8	103.5	95.4	97.0
	2017	185			100.1	100.8	101.4	96.8	101.2	101.7	101.3	97.5	101.5	98.0	100.5	97.4	101.6	100.5	102.0	99.8	97.9	99.3	102.4	98.5	92.9	97.3
RUST		Mean of (C)																								
% leaf infection Natural & inoculated trials (means re-transformed)	Mean	17			17	15	17	20	11	4	32	6	14	22	41	37	11	19	22	18	14	12	17	25	23	21
	2019	19			17	20	20	18	6	4	26	5	9	20	33	32	10	16	19	16	12	15	14	24	23	18
	2018	27			23	24	20	43	24	-	-	13	27	22	-	-	12	-	-	23	17	10	36	21	-	24
	2017	14			16	8	14	14	14	-	-	5	19	-	-	-	-	-	-	-	-	-	-	35	-	-
POWDERY MILDEW		Mean of (C)																								
% leaf infection Natural & inoculated trials (means re-transformed)	Mean	1			1	2	0	1	28	5	5	1	3	10	1	2	3	7	6	19	2	9	5	3	1	18
	2019	1			2	3	1	2	32	18	8	1	5	18	1	7	7	11	11	22	3	10	5	8	2	18
	2018	2			0	3	0	0	28	0	3	0	2	4	1	0	1	3	2	18	0	18	10	0	0	17
	2017	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Data in bold from commercial seed.