

Table 53

Calculation for Approval of Sugarbeet Varieties for ACSC Rhizomania Specialty Market for 2004

Description	Approval Status	Cercospora Rating +				
		2001	2002	2003	2 Yr Mean	3 Yr Mean
Previously Approved (3 Years)						<=5.40
Beta 4811R(Aph & Rzm)	Approved	5.06	4.39	4.44		4.63
Beta 4818R(Aph & Rzm)	Approved	4.63	4.95	4.92		4.83
Crystal R826(Rzm)	Approved	4.56	4.51	4.53		4.53
Hilleshog 2411Rz	Approved	4.30	4.37	4.58		4.42
Hilleshog 2433Rz	Approved	4.07	4.13	3.77		3.99
Van der Have H46177(Aph & Rzm)	Approved	4.35	4.09	3.90		4.11
Candidates for Approval (2 Yrs)						<=5.20
Beta BX1196(Rzm)	Approved		4.56	4.94	4.75	
Beta BX1197(4797R Rzm)	Approved		5.07	4.76	4.91	
Beta BX1198(4898R Rzm)	Approved		3.98	4.12	4.05	
Crystal R207	Approved		4.88	4.53	4.71	
Hilleshog 2463Rz(7163 Aph)	Approved		4.84	4.56	4.70	
Hilleshog 2467(7167 Rz)	Approved		4.92	4.83	4.87	
Hilleshog 2468(7168 Rz)	Approved		5.15	4.95	5.05	
Hilleshog 2469(7169 Rz Aph)	Approved		4.84	4.79	4.82	
Hilleshog 7172Rz	Approved		3.19	3.12	3.15	
Seedex SX0828(Aph & Rzm)	Approved		5.18	5.20	5.19	
Approval Criteria					5.20	5.40

+ All Cercospora readings 2002-2003 were adjusted to 1982 basis.

Created 11-6-03.

Rhizomania approval criteria include: 2 years of official trial data, Cercospora rating must not exceed 5.20 (1982 adjusted data).

Rhizomania disapproval criteria include: 3 years of official trial data, Cercospora rating must not exceed 5.40 (1982 adjusted data).

Future approval criteria are likely to include revenue or sugar production per ton and per acre under disease and non-disease conditions.

Table 54

Calculation for Approval of Sugarbeet Varieties for ACSC Rhizoctonia Specialty Market for 2004

Description	Approval		Disease Index +			Cercospora Rating **		
	Status	Code	2002	2003	Mean	2002	2003	Mean
Candidates for Approval (2 Yrs)								
Beta BX1301(Rhc & Rzm)	<2 Yrs	1003		5.0			4.41	
Beta BX1311(Rhc)	<2 Yrs	1006		4.2			3.63	
Hilleshog 7172Rz	Approved	1001	2.8	3.9	3.4	3.19	3.12	3.15
Seedex SX0830(Aph & Rhc)	<2 Yrs	1004		5.8			3.65	
Seedex SX0932(Aph & Rhc)	<2 Yrs	1007		5.3			4.13	
Van der Have H46521(Aph & Rhc)	Approved	1002	3.5	5.1	4.3	4.32	3.93	4.12
Van der Have H46522(Aph&Rzm&Rhc)	<2 Yrs	1005		4.4			4.35	
Approval Criteria (Susceptible Hybrid)++			4.0	5.7	4.9			5.20

Created 11-6-03.

+ Disease Index is based on a scale of 0 (=healthy) to 7 (= plant dead).

++ Candidates must have better tolerance than susceptible hybrid. Susceptible hybrid pedigree was: FC901/C817

** All Cercospora readings 2002-2003 were adjusted to 1982 basis.