

REACTIONS OF SWEET CORN HYBRIDS TO PREVALENT DISEASES

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Common rust (*Puccinia sorghi*), northern leaf blight - NLB (*Exserohilum turcicum*), Stewart's bacterial wilt (*Erwinia stewartii*), maize dwarf mosaic - MDM (MDM viruses), southern leaf blight - SLB (*Bipolaris maydis*), anthracnose leaf blight - ALB (*Colletotrichum graminicola*), southern rust (*Puccinia polysora*) and gray leaf spot - GLS (*Cercospora zea-maydis*) are endemic diseases of sweet corn grown in North America. Reactions to these diseases vary among commercial sweet corn hybrids. Since 1984, nearly 2,300 hybrids have been evaluated for disease reactions in nurseries at the University of Illinois at Urbana-Champaign. Hybrids were classified as resistant (R), moderately resistant (MR), moderate (M), moderately susceptible (MS), and susceptible (S) based on standard deviations from trial means (z-scores), separations based on multiple comparison tests (BLSD), and multivariate clustering procedures. This type of classification produces statistically "overlapping" groups without clear-cut differences between classes (e.g., the hybrid with the least severe symptoms in the MR class does not differ significantly from the hybrid with the most severe symptoms in the R class). Nevertheless, a consistent response of a hybrid over several trials gives a reasonable estimate of the disease reaction of that hybrid relative to all other sweet corn hybrids. These reactions can be used to plan disease management strategies by assessing the potential for diseases to become severe and affect yield of a specific hybrid.

Results of the annual disease nurseries have been reported each year in the Midwestern Vegetable Variety Trial Report. They are also available on the web at www.sweetcorn.uiuc.edu. This article summarizes the disease reactions of 660 commercially-available hybrids that have been evaluated in UIUC nurseries since 1984. The summary includes reactions of 124 sugary hybrids (114 yellow, 4 bi-color and 6 white), 195 sugary enhancer hybrids (76 yellow, 80 bi-color, 37 white, and 2 red), 334 shrunken-2 hybrids (173 yellow, 105 bi-color, 55 white and 1 multi-color), and 7 brittle hybrids (5 yellow, 1 bi-color and 1 white).

GENERAL INFORMATION

Details about specific trials are reported annually in the Midwestern Vegetable Variety Trial Report. Plants usually were inoculated with *P. sorghi*, *E. turcicum*, *E. stewartii*, *C. graminicola*, *B. maydis*, *P. polysora*, or *C. zea-maydis* to insure uniform disease pressure. Evaluations of reactions to MDM and systemic Stewart's wilt were based on natural infection when disease pressure was relatively uniform.

In this summary, hybrids are grouped by: **i) endosperm phenotype** (sugary, sugary enhancer, shrunken, and brittle); **ii) kernel color** (yellow, bi-color, white, and other), and **iii) alphabetically by hybrid name**. Hybrids with multiple endosperm mutations (e.g., sweet breeds, triples sweets, extra tenders) are placed under the most appropriate of the four categories of endosperm phenotypes. The table includes: seed source (SC - company which entered the hybrid in the nursery), endosperm type (ET), kernel color (KC), relative maturity (RM) from 1 to 5 as reported by each seed company (where 1 = first early, 2 = second early, 3 = mid-season, 4 = main season, and 5 = full season), hybrid name, and reactions to diseases: common rust, NLB, Stewart's wilt, MDM, SLB, ALB, southern rust, and GLS.

Disease reactions are averaged over all trials in which a hybrid was evaluated and are presented on a 0 to 9 scale, where: 0 = no disease, 1 = resistant, 3 = moderately resistant, 5 = moderate, 7 = moderately susceptible, and 9 = susceptible. Reactions listed as 2, 4, 6, 8, are between these categories (e.g., 2 indicates a reaction between resistant and moderately resistant, R-MR). Hybrids with *Rp*-reactions to rust are noted with an asterisk

or the letter 'D' or 'X'. The number of trials in which a hybrid was evaluated for each disease is noted with a superscript. For example, the reaction of the yellow sugary hybrid Bold to northern leaf blight is listed as 4³. This indicates that the NLB reaction of Bold relative to all sweet corn hybrids is between moderately resistant and moderate and this average is based on 3 trials at UIUC in which Bold was evaluated.

INTERPRETATION OF DISEASE REACTIONS

Resistance and susceptibility are the two extremes of a continuum of host reactions to diseases. Resistance measures the ability of the host to reduce the growth, reproduction, or disease-producing abilities of the pathogen, thus resulting in less severe symptoms. Major genes for resistance, such as *Rp*, *Ht*, or *Mdm1*, can prevent or substantially limit disease development if specific virulence is not present in pathogen populations. Hybrids with major gene resistance usually have clearly distinguishable phenotypes. Major gene resistance may be ineffective when specific virulence occurs. For example, a biotype of the *P. sorghi* virulent on hybrids with the *Rp1-D* resistance gene has occurred throughout North America since 1999. Therefore, rust pustules were observed in 2000 and 2001 on hybrids with *Rp1-D*-resistance.

If hybrids do not have effective major gene resistance, disease reactions often range from partially resistant to susceptible. Since our nurseries have included most of the sweet corn hybrids available commercially, our ratings reflect the disease reactions of a hybrid relative to all sweet corn.

Hybrids with resistant reactions (1) were among the best hybrids evaluated in our trials in the past 18 years. Those rated 9 were susceptible (S) and were among the worst. The moderately resistant ratings (3) included hybrids with disease reactions that were better than average. The moderately susceptible ratings (7) include hybrids that were worse than average. Hybrids with moderate ratings (5) had average reactions. Classification of hybrid reactions can vary among years (e.g., some hybrids may have been classified M in one trial and MR or MS in another trial due to random variation). Average reactions based on at least three years of data are probably more accurate estimates than those based on one or two years.

Symptoms will occur on hybrids rated R, but the amount of the disease on these hybrids is less than the amount on hybrids rated MR, M, MS, or S. Similarly, the effects of diseases on yield are related to this scale of hybrid reactions.

Common rust. Rust reactions are complex now because of the new race that is virulent against *Rp1-D* and a few other *Rp*-resistance genes. If a hybrid does not have *Rp*-resistance, the rust rating is given in the first column. For example, the reaction of Bonanza to common rust is listed moderately susceptible and susceptible (8) and this is based on 3 trials. Hybrids that do not have *Rp*-resistance have the same reaction to the old and new races of rust.

Rp-resistance is noted in the first column with a letter or an asterisk. The letter 'D' designates hybrids with resistance conveyed by the *Rp1-D* gene or another *Rp* gene that is ineffective against the new race. Hence these hybrids have a rating of 0 (i.e., no rust) when the old race is present; but they are infected by the new race. For example, Bold has *Rp1-D* resistance (based on 5 trials). It was not infected by the old race of rust in 3 trials (0³ for the old race) but it was susceptible in 2 trials when the new race was present (9² for the new race). *Rp*-resistant hybrids with an asterisk (*) probably have the *Rp1-D* gene, but they have not been evaluated in trials when the new race is present. Hybrids with an *Rp*-reaction designated 'X' have *Rp*-resistance that is effective against the new race. Many of these hybrids may have resistance conveyed by the *Rp1-E*, *Rp1-I*, *Rp1-K* or *Rp-G* genes or by compound rust resistance genes (e.g., *Rp-GI* or *Rp1-JFC*), but it is impossible from these trials to determine exactly which *Rp* gene conveys resistance to these hybrids. Some populations of rust may infect some of these other *Rp* genes. For example, the hybrid GH 2042 was *Rp*-resistant in one trial when the new race was present, but it was infected by rust and had a moderately resistant (3) reaction in one trial when the new race was not present.

Two-hundred and twenty of the 648 hybrids evaluated for common rust have Rp-resistance. Rp-resistance in 171 of these hybrids is conveyed by a gene (probably *Rp1-D*) that is **not** effective against biotypes of *P. sorghi* that are virulent against *Rp1-D*. These are designated with the letter “D”. Hence they have different reactions depending on whether or not virulence is present in the population of *P. sorghi*. Thirty-nine hybrids were Rp-resistant against the old race but have not been evaluated against the new race (designated with an asterisk). Ten hybrids were resistant against the new race (designated with an ‘X’). Of the 428 hybrids that did not have Rp-resistance, 44 had R-MR or MR reactions and 129 had reactions that ranged from MS to S. Among the 181 Rp-resistant hybrids that have been evaluated against the new race, 10 are Rp-resistant, 28 have MR or R-MR reactions, and 31 have reactions that range from MS to S.

Northern leaf blight. Of 649 hybrid evaluated for NLB, 126 have reactions that range from R to MR. Many of these 126 hybrids have NLB resistance conveyed by the Ht genes, *Ht1* or *HtN*. Yield of hybrids with R to MR reactions will be affected very little by NLB unless environmental conditions are extremely favorable for disease development. NLB reactions of 170 hybrids range from MS to S. Yield of these hybrids can be reduced substantially by NLB.

Stewart’s wilt. Of 654 hybrids evaluated for Stewart’s wilt, 165 have R to MR reactions that should limit systemic infection under most situations although some systemic infection and yield reduction may occur on these hybrids if flea beetles feed on emerging seedlings. This usually occurs under extremely dry conditions when populations of flea beetles are very large. Stewart’s wilt reactions of 376 hybrids range from M to S. Stewart’s wilt infection can be systemic on these hybrids with a higher incidence and severity of systemic infection for hybrids that are more susceptible.

Maize dwarf mosaic. Only 40 of 419 hybrids evaluated for MDM have reactions that are MR or better. Another 29 hybrids have reactions that range from MR-M to M. The majority (268 of 419) of the hybrids evaluated are susceptible to this viral disease. Although reactions of hybrids to various strains of MDM have not been differentiated, MDM resistance in some hybrids may differ between MDMV-A and SCMV-MB (i.e., MDMV-B).

Southern leaf blight. Over a third (248 of 634) of the hybrids evaluated have R to MR reactions to SLB. Only 68 hybrids have reactions that range from MS to S.

Anthracnose leaf blight, southern rust, and gray leaf spot. Fewer hybrids have been evaluated for reactions to ALB, southern rust and GLS than for other diseases. With the exception of one hybrid (Sure Gold) that has Rpp-resistance to southern rust, none of the hybrids are highly resistant to southern rust or GLS. In fact, the reactions of most hybrids to these two diseases range from MMS and S. Of 235 hybrids evaluated for ALB, 48 have reactions from MS to S and 71 have reactions from R to MR.

Table 1. Reactions of commercially-available hybrids to diseases in the UI disease nurseries from 1984 to 2001

	Number of hybrids in each reaction category									
	Rp 0	Resistant 1	Moderately resistant 2 3		Moderate 4 5		Moderately susceptible 6 7		Susceptible 8 9	
Common rust	220	0	15	29	51	98	106	73	25	31
Rp1-D-virulent*	10	0	3	25	35	34	43	20	5	6
NLB		9	42	75	95	154	104	74	63	33
Stewart’s wilt		19	49	97	119	125	92	67	48	44
MDM		11	9	20	9	20	4	33	45	268

SLB		41	70	137	129	108	71	42	17	19
ALB		16	16	39	26	68	22	26	13	9
Southern rust	1	0	0	0	1	8	56	53	54	82
GLS		0	1	10	53	62	171	45	37	34

Classification: 0 - Rp-resistance, 1 - resistant, 3 - moderately resistant, 5 - moderate, 7 - moderately susceptible, 9 - susceptible.

* Reactions of Rp-resistant hybrids to biotypes of *P. sorghi* virulent against the *Rp1-D* gene.

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																							
Seed	ET	KC	RM	Hybrid			New	Old	NLB	Stewart's wilt	MDM	SLB	ALB	Southern rust	GLS												
<i>Yellow sugary</i>																											
Rog	su	Y	4	Bold	D	5		2		3	4	3	3	2	1	1	6	2		1	8	1					
HM	su	Y	4	Bonanza	8	3				2	3	4	3							2							
Rog	su	Y	5	Bonus	D	8		3		5	5	6	1	5	1	5	6	6		1	8	2	5	2			
Sem	su	Y	2	Chase	5	2				5	2	7	1	9	1	4	2				9	1					
Sem	su	Y	5	Commander	5	3				4	3	3	3							2							
Cr	su	Y	5	Conquest	D	6		3		3	6	4	5	4	9	4	6	4			7	1	7	2			
HM	su	Y	5	Cornucopia	*	2				2	8	2	4	2			7	1									
Rog	su	Y	4	Dallas	5	1				9	1	9	1				3	1		1							
DM	su	Y	5	DMC 20-35	*	2				2	5	2	6	2	9	1	3	1		2	9	1					
DM	su	Y	4	DMC 20-38	D	4		2		2	9	3	8	3	9	2	5	2		2			7	1			
HM	su	Y	3	Dynamo	D	6		2		4	6	4	5	3	4	2	5	4			9	2	6	1			
Cr	su	Y	2	Earlivee	7	10					8	8	8	8	8	4	7	6		3			7	1			
HM	su	Y	3	Early Gold																1							
Rog	su	Y	1	Early Sunglow																1							
Sem	su	Y	4	El Toro	D	8		3		5	7	6	4	5	2	5	4	6			9	2	5	2			
Cr	su	Y	4	Eliminator	D	11		3		8	6	9	2	8	1	5	6	8		3	9	2	6	2			
Rog	su	Y	5	Elite	D	3		1		2	8	2	5	1			8	2		1							
Sem	su	Y	5	Esquire	D	8		3		5	7	6	5	5	7	5	4	6			8	2	5	2			
HM	su	Y	5	Excalibur	D	5		1		4	9	4	5	3	9	1	7	4			6	1	6	1			
HM	su	Y	5	Excellency	D	6		2		4	8	3	5	3	9	1	7	2		2	6	1					
HM	su	Y	5	FMX 492	D	3		1		2	4	3	6	3	9	4	4	3			8	2					
HM	su	Y		FMX 516	D	5		3		2	8	3	6	3	9	3	3	3					5	2			
Rog	su	Y	4	GH 0934 A	4	5					4	4	3	4	3	4	5	4			7	1	5	2			
Rog	su	Y	4	GH 0937 A	D	5		2		3	4	4	2	4	4	4	6	4			9	1	5	2			
Rog	su	Y	5	GH 0990 A	*	1				1	6	1	6	1	9	1	4	1					3	1			
Rog	su	Y	2	GH 1703	6	3					8	2	7	1			9	1		1							

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Seed	ET	KC	RM	Hybrid	Common Rust								MDM	SLB	ALB	Southern rust	GLS							
						New	Old	NLB	Stewart's wilt															
Rog	su	Y	2	GH 1861						9	1	9	1			3	1		1					
Rog	su	Y	3	GH 2042	X	2		1		1	9	1	7	1		3	1					7	1	
Rog	su	Y	4	GH 2298	X	3		2		1	4	1	3	1		2	1					6	1	
Rog	su	Y	4	GH 2303	X	2		1		1	7	1	8	1		3	1					6	1	
Rog	su	Y	4	GH 2385	X	2		1		1	4	1	6	1		3	1					5	1	
Rog	su	Y	4	GH 2547	D	4		2		2	7	2	6	2	7	2	5	2		7	1	4	1	
Rog	su	Y	5	GH 2628	*	4				4	3	3	2	4		9	3		1					
Rog	su	Y	5	GH 2690	D	5		1		4	7	3	6	4	9	1	5	3		7	1			
Rog	su	Y	5	GH 2783	4	6					5	5	2	5	3	5	5	5		6	2	5	2	
Rog	su	Y	6	GH 3054	4	4					2	3	3	3	1	3	3	3				3	2	
Rog	su	Y	3	GH 5023	*	1				1	9	1	7	1	3	1	5	1		7	1			
Rog	su	Y	5	GH 5703	X	3		2		1	8	1	8	1		3	1					6	1	
Rog	su	Y	5	GH 7507	*	1				1	5	1				9	1		1					
Rog	su	Y	5	GH 7749	D	2		1		1	6	2	3	2	5	2	3	2				6	1	
Rog	su	Y	5	Golden Queen	7	3					2	3	4	3					2					
GG	su	Y	2	Green Giant Code 3	5	6					7	4	5	5	5	1	9	4		9	1			
GG	su	Y	4	Green Giant Code 4	5	3					3	2	3	4		3	1		1					
GG	su	Y	4	Green Giant Code 6	3	9					4	7	2	8	7	4	3	6		2	8	2	6	1
GG	su	Y	4	Green Giant Code 15	3	2					5	1	2	3		9	1							
GG	su	Y	1	Green Giant Code 17	4	6					4	5	3	6	9	1	6	4		1	6	1		
GG	su	Y	2	Green Giant Code 19	*	3				3	7	3	5	3	7	1	8	2		2	8	1		
GG	su	Y	1	Green Giant Code 22	7	1					7	1	9	1					2					
GG	su	Y	5	Green Giant Code 23	D	3		1		2	3	3	7	2	9	1	3	2		2	6	1		
GG	su	Y	4	Green Giant Code 27	2	9					3	7	2	6	7	5	4	6		2	7	2	4	2
GG	su	Y	4	Green Giant Code 37	5	3					5	2	3	1	9	1	8	2		1	9	1		
GG	su	Y	2	Green Giant Code 49	D	4		2		2	8	4	5	4	8	5	8	4			8	2	8	1
GG	su	Y	1	Green Giant Code 58	D	4		2		2	8	3	6	3	7	4	6	3			9	1	6	1

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Seed	ET	KC	RM	Hybrid	Common Rust																			
					New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS			
GG	su	Y	5	Green Giant Code 60	D	5		3		2	5	3	2	3	8	4	5	3			7	1	6	1
GG	su	Y	5	Green Giant Code 62	D	7		4		3	2	4	2	4	8	4	4	4			7	1	5	2
GG	su	Y	4	Green Giant Code 64	D	5		3		2	5	3	3	3	9	4	3	3			7	1	4	1
GG	su	Y	4	Green Giant Code 67	D	6		4		2	5	3	1	3	9	3	6	3					7	2
GG	su	Y	1	Green Giant Code 71	D	4		2		2	8	3	9	3	8	3	2	2					9	1
GG	su	Y	2	Green Giant Code 73	*	1				1	6	1	5	1	9	1	4	1					8	1
GG	su	Y	5	Green Giant Code 74	2	6					4	3	2	3	9	3	4	3					6	2
GG	su	Y	3	Green Giant Code 76	D	4		3		1	8	2	4	2	9	2	5	2					9	1
GG	su	Y	3	Green Giant Code 77	D	4		3		1	8	2	4	2	9	2	3	2					8	1
GG	su	Y	3	Green Giant Code 81	5	3					5	2	8	2	4	2	4	2					6	1
GG	su	Y	4	Green Giant Code 82	D	3		2		1	5	2	3	2	9	2	2	2					8	1
GG	su	Y	3	Green Giant Code 83	D	2		1		1	8	1	4	1			7	1					8	1
GG	su	Y	4	Green Giant Code 87	D	2		1		1	7	1	5	1			6	1					9	1
GG	su	Y	2	Green Giant Code 88	6	2					9	1	9	1			3	1					9	1
GG	su	Y	5	Green Giant Code 89	D	2		1		1	4	1	2	1			4	1					7	1
GG	su	Y	5	Green Giant Code 92	4	2					5	1	2	1			2	1					6	1
GG	su	Y	5	Green Giant Code 93	D	2		1		1	5	1	2	1			2	1					6	1
GG	su	Y	5	Green Giant Code 94	D	2		1		1	5	1	2	1			3	1					5	1
GG	su	Y	5	Green Giant Code 95	D	2		1		1	4	1	3	1			3	1					6	1
Rog	su	Y	4	Heritage	D	3		1		2	9	2	9	1			4	2		1				
HM	su	Y	3	HMX 0395	D	2		1		1	7	1	5	1			4	1					6	1
HM	su	Y	5	HMX 0396	D	2		1		1	6	1	4	1			4	1					6	1
HM	su	Y	4	HMX 5371	D	5		1		4	6	4	3	3	1	3	4	4			8	2	6	1
HM	su	Y	4	HMX 7384	D	3		2		1	9	2	9	2	4	2	5	2					6	1
HM	su	Y	5	HMX 8389	D	5		3		2	3	3	1	3	9	3	4	3					5	2
HM	su	Y	5	Insignia	D	4		1		3	9	3	3	2			7	2					6	1

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001																								
					Common Rust																			
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Rog	su	Y	4	Jubilee	5	18					8	16	9	17	8	5	4	8		5	8	2	6	1
HM	su	Y	5	Legacy	D	5		1		4	8	4	6	4	9	1	6	2		1	9	1	6	1
HM	su	Y	4	Lexus	*	3				3	6	3	8	3	7	1	4	2		2	6	1		
HM	su	Y	4	Lumina	D	6		1		5	7	5	8	5	9	2	6	4		2	9	2	7	1
Sem	su	Y	4	Merit	9	4					8	4	5	4			5	1		2				
SnR	su	Y	2	Prelude	6	1					7	1	5	1	9	2	7	1						
Sem	su	Y	1	Reveille	9	6					9	5	6	6	3	1	6	4		1	9	1		
Rog	su	Y	2	Reward-C																1				
Sem	su	Y	3	Rival	5	8					7	8	6	10			6	3		2				
Sem	su	Y	4	RSR 8482458	D	2		1		1	5	1	3	1			6	1					6	1
Sem	su	Y	4	RX 8490549	D	2		1		1	4	1	1	1			7	1					7	1
Sem	su	Y	4	Seneca Chief	8	3					7	3	5	3						2				
Sem	su	Y	1	Seneca Horizon	2	3					4	3	6	3						2				
Sem	su	Y	4	Sequel R	*	2				2	9	2	8	1	9	1	3	2			6	1		
HM	su	Y	5	Shield Crest	*	3				3	8	4	3	4			7	1						
Rog	su	Y	1	Spirit	3	1					9	1	9	1			3	1						
Rog	su	Y	2	Sprint	D	5		1		4	8	3	6	4			8	3		1				
HM	su	Y	5	Stylepak	6	6					8	6	3	7			6	2		2			6	1
Sem	su	Y	5	SVR 08302389	3	1					9	1	5	1	3	2	4	1						
Sem	su	Y	3	SVR 08302418	D	2		1		1	4	1	2	1			6	1					6	1
Sem	su	Y	4	SVR 08705760	D	2		1		1	7	1	5	1			3	1					6	1
Sem	su	Y	4	SVR 8436247	D	2		1		1	5	1	5	1			3	1					6	1
Sem	su	Y	5	SVR 8479238	D	3		2		1	4	2	3	2	9	2	6	2					6	1
Sem	su	Y	4	SVR 8481728	D	3		2		1	5	1	3	1			6	1					6	1
Sem	su	Y	4	SVR 8481768	D	2		1		1	5	1	2	1			7	1					6	1
Sem	su	Y	4	SVR 8482598	D	2		1		1	5	1	2	1			7	1					6	1
Sem	su	Y	5	SVR 8482598	3	1					5	1	5	1	3	2	6	1						

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				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Sem	su	Y	5	SVR 8492229	D	3		2		1	5	2	2	2	9	2	6	2					6	1
Sem	su	Y	5	SVR 8492259	D	2		1		1	5	1	1	1			7	1					6	1
Sem	su	Y	5	SVR 8492909		4	3				5	2	5	2	9	2	4	2					6	1
Sem	su	Y	5	Tracer	*	3				3	7	4	7	3	9	1	3	3		2	6	1		
SnR	su	Y	4	UY 1509NE		3	1				6	1	3	1	4	2	6	1						
Rog	su	Y	5	Viking		5	4				7	3	7	2	9	1	5	2			7	1		
SnR	su	Y	3	VY 2503 NG		5	2				6	1	7	1			4	1					6	1
SnR	su	Y	4	VY 2536 NG	D	2		1		1	5	1	5	1			3	1					6	1
<i>Bi-color sugary</i>																								
Rog	su	B	2	BC 4315		6	2				4	1	5	1			6	1					9	1
Rog	su	B	5	Bi Queen		8	3				3	3	3	3						2				
Cr	su	B	3	Honey & Cream		6	8				6	7	7	7	9	5	6	6		3	8	2	7	2
Cr	su	B	1	Quickie		9	11				9	9	7	10	7	5	8	7		3	9	2	8	1
<i>White sugary</i>																								
Rog	su	W	5	Early Cogent		2	2				4	2	5	1	9	1	4	2			7	1		
GG	su	W	4	Green Giant Code 24		3	5				4	5	7	4	9	3	3	4		2	6	2	4	1
GG	su	W	5	Green Giant Code 61		2	3				5	3	9	3	9	4	2	3			7	1	6	1
Rog	su	W	5	Silver Queen		8	4				3	5	3	6	9	1	5	1		3	9	1		
Rog	su	W	5	Sterling		9	3				5	1	3	1			5	1						
Rog	su	W	5	WH 2801	D	3		2		1	7	1	5	1	9	1	5	1			9	1		
<i>Yellow sugary enhancer</i>																								
Cr	se	Y	3	Blaze		6	2				5	1	3	1			7	1					9	1
Cr	se	Y	3	Bodacious		4	15				5	13	5	14	9	5	4	9		3	8	2	7	2
Cr	se	Y	3	Bodacious R	D	4		3		1	6	2	4	2	9	2	3	2					6	1
Sdw	se	Y	3	Breeders Choice		8	2				4	2	5	1			4	2		2				
Cht	se	Y	1	Buttergold		5	1				5	1	5	1	9	1	7	1			6	1		
Sem	se	Y	1	Casino		6	3				7	3	7	2	9	1	4	2		2	6	1		

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Sem	se	Y	2	Champ	3	6					6	6	6	9	9	1	9	4		1	9	1		
Mes	se	Y	3	Chief Ouray	5	2					4	2	9	2			3	1		2				
Sem	se	Y	4	Cinch	6	6					4	5	8	5	7	2	5	4		2	8	2	7	1
Sem	se	Y	4	Climax	D	8		3		5	8	6	4	5	9	5	2	6			7	2	6	2
Sto	se	Y	1	Custer	9	2					4	2	8	2			9	1		2				
Sem	se	Y	1	Dugan	6	6					5	6	4	8			9	3		1				
Sdw	se	Y	1	Early Choice	5	1					5	1					3	1		1				
Rog	se	Y	4	Empire	D	6		2		4	6	5	6	4	7	2	3	4		2	8	2		
HM	se	Y	4	Esteem	2	10					5	8	4	8	3	4	3	6		2	9	1	5	2
Sem	se	Y	3	EX 8410237	*	1			1		5	1	6	1	9	1	4	1					6	1
Sem	se	Y	2	EX 8413067	6	2					6	1	3	1			4	1					9	1
Sem	se	Y	3	EX 8414247	3	8					4	7	3	6	9	5	4	6		2	6	2	8	2
Sem	se	Y	2	EX 8414907	7	4					6	3	5	3	9	3	6	3					8	2
Sem	se	Y	2	EX 8441107	D	2		1		1	7	1	5	1			3	1					8	1
Sem	se	Y	4	EX 8452067	D	2		1		1	8	1	3	1			7	1					6	1
Sem	se	Y	3	EX 8471538	D	3		2		1	5	2	3	2	9	2	3	2					6	1
Sem	se	Y	1	EX 8473488	7	3					6	2	4	2	9	2	8	2					9	1
Mes	se	Y	4	Exp 30218	5	1					4	1	4	1	9	2	2	1						
Rog	se	Y	1	GH 1665	D	2		1		1	6	1	8	1			3	1					6	1
Rog	se	Y	5	GH 1829	X	3		2		1	6	1	4	1			7	1					6	1
Rog	se	Y	3	GH 1887	*	2				2	6	2	6	1	7	1	5	2		1	6	1		
Rog	se	Y	3	GH 2684	*	2				2	8	2	9	2			1	1		2				
Rog	se	Y	4	GH 2757	3	6					8	4	7	6	5	1	4	3		2	9	1		
Rog	se	Y	5	GH 4809	D	3		2		1	6	2	8	2	2	2	5	2					5	1
Cht	se	Y	4	Golden Chief	5	1					5	1	7	1	9	1	6	1			6	1		
Sto	se	Y	1	Grant	7	1					7	1	7	1						1				

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001																								
					Common Rust																			
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Rog	se+	Y	3	Honey Select	5	1					7	1	5	1	9	1	3	1			9	1		
Cr	se	Y	4	Incredible	4	16					5	13	3	13	9	5	5	9		4	7	2	6	2
Cr	se	Y	4	Incredible R	D	4		3		1	6	2	4	2	9	2	3	2					6	1
Cr	se	Y	4	Intrigue	D	6		3		3	7	4	6	4	8	4	7	4			9	1	6	2
Mes	se	Y	3	July Gold	7	1					6	1	9	1	5	1	5	1					8	1
Rog	se	Y	2	Kandy King EH	6	3					8	3	5	3			2	2		2				
Rog	se	Y	5	Kandy Korn EH	4	3					4	3	4	3						2				
Rog	se	Y	1	Kandy Kwik	7	3					7	2	7	4			8	2		1				
Rog	se	Y	3	Kandy Plus	D	6		3		3	6	3	5	2	9	1	2	3			6	1		
Sto	se	Y	2	King Arthur	6	4					4	3	8	5			2	2		3				
HM	se	Y	2	Legend	3	3					7	2	8	2			9	1						
Mes	se	Y	2	Maple Sweet	6	2					4	3	8	4			7	1						
Sem	se	Y	5	Melody	*	3			3		5	4	3	4			3	1						
Mes	se	Y	5	Merlin	3	9					4	8	2	8	8	5	2	7		1	6	2	5	2
Cr	se	Y	4	Miracle	2	17					3	16	1	17	9	5	4	9		5	8	2	6	2
Mes	se	Y	1	Precocious	8	3					6	3	9	6			8	1		2				
Sem	se	Y	1	PX 9363019	5	2					6	1	8	1			3	1					9	1
Sem	se	Y	1	PX 9370068	7	2					7	1	7	1			7	1					7	1
Sem	se	Y	2	Seneca Arrow II	7	2					5	2	3	2	9	3	4	2					4	1
Rob	se	Y	1	Seneca Daybreak	3	3					2	3	4	3			1	2		3				
Sem	se	Y	1	Seneca Pronto	5	2					5	2	7	2	9	2	6	2			6	1	8	1
Sem	se	Y	3	Seneca PX 9330109	6	3					5	2	6	2	9	2	6	2					6	1
Sem	se	Y	2	Seneca SX 6301 SEY	5	1					7	1	8	1	9	1	4	1					6	1
Sem	se	Y	2	Seneca SX 6805 SEY	7	1					7	1	7	1	9	1	5	1					6	1
Sem	se	Y	2	Seneca SX 7006 SEY	8	1					8	1	8	1	9	1	5	1					6	1
HM	sb	Y	5	Sugar Ace SB	5	3					6	3	4	3	7	1	4	2			6	1		
Cr	se	Y	2	Sugar Buns	5	14					4	12	6	12	8	5	4	9		3	8	2	8	2

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
AC	se	Y	1	Summer Flavor 62 Y	7	3					8	3	8	3			9	2		2				
AC	se	Y	2	Summer Flavor 73 Y	4	2					3	2	3	2			4	2		1				
AC	se	Y	3	Summer Flavor 79 Y	3	2					4	2	1	2			4	2		1				
HM	se	Y	4	Sundial	*	4			4	4	4	4	2	4			6	3		2				
Mes	se	Y	2	Sunray	7	1					7	1	7	1	9	1	5	1					8	1
Sem	se	Y	2	SVR 8414797	6	2					8	1	8	1			9	1					9	1
Sem	se	Y	1	SVR 8450257	6	2					8	1	4	1			7	1					9	1
Sem	se	Y	3	SVR 8452067	3	1					8	1	4	1	9	2	6	1						
Sem	se	Y	4	SVR 8482478	D	2		1	1	6	1	2	1			4	1					6	1	
HM	se	Y	1	Sweet Cheeks	9	4					8	3	7	3	7	2	5	3			8	2	9	1
HM	se	Y	1	Sweet Dawn	4	2					7	3	9	4			8	2						
HM	se	Y	1	Sweet Riser	6	3					6	3	6	2	9	2	4	3		1	8	2		
Mes	se	Y	5	Tablemaster	7	2					5	2	4	2	7	2	5	2			5	1	4	1
Rog	se	Y	5	Tendertreat EH	2	3					8	3	4	3						2				
HM	se	Y	5	Topacio	D	10		3	7	4	8	3	8	2	5	6	8		1	8	2	6	2	
Mes	se	Y	4	Tuxedo	3	5				3	4	3	4	9	2	2	4					6	1	
Mes	se	Y	2	Welcome TSW	7	3				4	1	7	2	9	2	5	2					8	1	
<i>Bi-color sugary enhancer</i>																								
Mes	se	B	3	Accord	5	2					4	1	3	1			3	1					6	1
Sto	se	B	1	Aladdin	9	1					7	1	7	1						2				
Cr	se	B	3	Ambrosia	5	11					5	9	2	10	9	5	6	8		3	8	2	6	2
Rog	se	B	3	BC 0801 A	3	1					5	1	9	1	9	2	2	1						
Rog	se	B	5	BC 4806	D	2		1	1	5	1	7	1			2	1					6	1	
Cht	se	B	3	Bi Licious	5	1					4	1	4	1	9	1	5	2		1	6	1	4	1
Cr	se	B	3	Bojangles	5	2					4	1	4	1			4	1					9	1
Mes	se	B	2	Bon Appetit TSW	7	3					5	2	6	2	9	2	4	2					7	1

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Seed	ET	KC	RM	Hybrid	Common Rust																			
							New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Cr	sb	B	3	Bravado	5	5					6	4	4	4	9	4	4	4			7	1	9	2
Sdw	se	B	3	Breeders Bicolor	6	2					3	2	9	1			4	2		2				
Mes	se	B	4	Brocade	6	3					4	2	3	2	9	2	3	2					7	1
Mes	se	B	4	Buckeye	5	4					4	3	1	3	9	3	5	3					5	2
Sem	se	B	4	Calico Belle	4	6					6	6	4	8			4	3		1				
JS	se	B	3	Clockwork	6	2					9	1	6	3			7	1						
Sto	se	B	2	Cochise	7	1					5	1	6	1	9	1	5	1		1	6	1		
Cr	se	B	2	D Artagnan	8	9					8	9	7	11	9	3	8	7		3	9	2	6	1
Cr	se	B	4	Delectable	4	9					4	8	4	7	9	5	3	7		3	8	2	8	2
Mes	se	B	3	Double Gem	6	2					2	2	7	2			2	2		1				
Cr	se	B	2	Early Ambrosia	7	3					9	2	6	2	5	1	7	2					8	1
Sdw	se	B	2	Ecstase II	6	3					4	3	6	2	9	2	7	3			8	2		
Mes	se	B	5	Encore	4	4					5	3	2	3	9	3	4	3					5	2
Sem	se	B	2	EX 8410297	D	2		1	1		7	1	5	1			7	1					6	1
Sem	se	B	3	EX 8410317	6	2					5	2	3	2	5	3	5	2					4	1
Sem	se	B	3	EX 8413857	3	4					6	4	6	4	9	2	4	3		2	9	1	6	1
Sem	se	B	3	EX 8414777	4	3					6	2	6	2	3	1	6	2			7	1	6	1
Sem	se	B	2	EX 8414787	6	3					5	3	6	3	8	4	7	3			9	1	4	1
Sem	se	B	3	EX 8414807	*	2			2		7	2	8	2	9	2	3	2			9	1	6	1
Sem	se	B	3	EX 8414837	D	2		1	1		8	2	4	2	9	3	4	2					4	1
Sem	se	B	3	EX 8415097	4	4					4	3	4	3	9	3	5	3					6	2
Sem	se	B	3	EX 8415137	4	2					7	1	6	1			1	1					7	1
Mes	se	B	4	Exp 10331	7	1					7	1	5	1	9	2	2	1						
Mes	se	B	3	Exp 10820	7	2					4	1	6	1			3	1					6	1
Cr	se	B	1	Fleet	6	5					8	4	7	4	7	4	4	4			9	1	9	1
Mes	se	B	4	Friendship	6	1					3	1	3	1	9	2	6	1						
Sto	se	B	1	Geronimo	9	1					7	1	9	1						2				

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
HM	sb	B	2	HMX 0351 BES	8	2					9	1	8	1			6	1					9	1
HM	sb	B	5	HMX 5348 BES	5	3					6	2	4	2	3	1	4	2					6	2
HM	sb	B		HMX 6357 BSB	6	5					6	4	5	4	4	4	5	4			8	2	6	1
HM	sb	B		HMX 7366 BES	7	4					5	3	4	3	9	3	3	3			9	1	8	1
Sto	se	B	2	Ivanhoe	4	3					2	3	6	3			2	2		2				
Rog	se	B	3	Jackpot	D	4		2		2	5	2	6	1	9	1	4	2			6	1		
Mes	se	B	5	Lancelot	2	6					3	4	2	5			4	3		2			6	1
Mes	se	B	3	Luscious TSW	6	3					5	2	6	2	9	2	4	2					7	1
Cr	se	B	3	Mystique	7	5					3	4	4	4	9	4	5	4			9	1	7	2
Mes	se	B	2	Native Gem	6	2					6	2	5	2	9	1	7	2		1			6	1
Mes	se	B	3	Parfait	5	2					5	2	4	2	9	2	6	2			9	1	8	1
Rog	se	B	5	Peaches & Cream																1				
Mes	se	B	4	Precious Gem	5	2					4	2	4	2	9	3	4	2					3	1
Sem	se	B	1	PS 6706	6	3					8	2	5	2	9	1	6	2					8	2
Sem	se	B	1	PS 6804	4	5					4	4	5	4	8	4	6	4			7	1	7	2
Sem	se	B	1	PS 6804	4	5					6	3	5	4	6	4	4	4			9	1	5	2
Sem	se	B	2	PX 9314639	2	2					4	1	3	1			7	1					8	1
Sem	se	B	2	PX 9374048	5	2					5	1	3	1			4	1					6	1
Mes	se	B	3	Rapport	6	3					4	2	6	2	9	2	5	2					8	1
Sem	se	B	1	Seneca Arrowhead	5	3					7	3	6	3	8	3	5	3			8	2	8	1
Sem	se	B	4	Seneca Dancer	4	5					5	5	5	4	9	3	4	4		2	6	2	4	1
Sem	se	B	4	Seneca Nation	5	5					3	4	1	4	8	4	5	4			7	1	6	2
Sem	se	B	4	Seneca PS 7404	5	3					5	3	3	3	8	4	3	3			9	1	6	1
Sem	se	B	2	Seneca Spring	5	5					5	4	4	4	8	4	5	4			9	1	8	2
Sem	se	B	2	Seneca SX 6707 SEB	6	1					7	1	7	1	9	1	4	1					6	1
Sem	se	B	3	Seneca SX 7405 SEB	5	1					7	1	9	1	9	1	3	1					6	1

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001																								
					Common Rust																			
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Sem	se	B	2	Seneca Tomahawk	4	3					4	3	6	3	7	3	4	3			7	2	6	1
Rob	se	B	3	Seneca Wardance	5	4					3	4	2	7			2	2		3				
Sem	se	B	4	Sensor	3	10					4	9	5	11	9	4	3	7		1	6	1	6	2
Rog	se	B	4	Serendipity	5	1					5	1	9	1	9	1	3	1			7	1		
HS	se	B	2	Sir Prize	7	6					5	5	7	5	9	5	4	4			7	2	8	1
Sto	se	B	1	Speedy Sweet	9	2					9	1	8	3			9	1						
Cht	se	B	1	Sugar Baby	5	1					4	1	4	1	9	1	4	1			9	1		
AC	se	B	3	Summer Flavor 79 BC	7	2					3	2	6	2			5	2		1				
Sem	se	B	4	Sunset	4	6					6	6	6	6	9	5	2	5		2	7	2	4	1
Sem	se	B	2	SVR 08705482	D	2		1		1	6	1	6	1			9	1					9	1
Sem	se	B	1	SVR 08705488	D	3		2		1	6	2	5	2	9	2	8	2					9	1
Sem	se	B	2	SVR 8471748	4	2					5	2	5	2			9	1					9	1
HM	sb	B	2	Sweet Chorus	7	5					7	4	7	3	4	2	7	4			8	2	9	1
HM	sb	B	3	Sweet Rhythm	7	5					6	4	3	3	9	1	4	3		2	8	1	6	1
HM	sb	B	3	Sweet Symphony	9	5					8	4	5	3	9	1	3	3		2	8	1	8	1
Sem	se	B	1	Temptation	7	3					6	3	6	3	9	1	9	3		1	9	1		
Cr	se	B	2	Trinity	7	7					7	6	6	5	8	5	6	6			8	2	9	2
Sem	se	B	4	Wizard	5	6					7	5	8	5	8	5	4	5			7	2	6	2
Mes	se	B	4	Yankee Gem	6	1					4	1	3	1	9	1	4	1					4	1
<i>White sugary enhancer</i>																								
Sdw	se	W		94H263	4	3					6	3	5	3	8	3	5	3			7	2	6	1
Sdw	se	W		96H1608	5	1					6	1	4	1	9	1	4	1					8	1
Sdw	se	W	2	97 6448	6	2					4	1	2	1			3	1					9	1
Sdw	se	W	3	97 6449	5	2					3	1	1	1			2	1					9	1
Cr	se	W	5	Alexis	5	2					4	1	4	1			3	1					7	1
Cr	se	W	4	Argent	4	11					3	9	2	10	9	5	3	8		3	6	2	6	2
Mes	se	W	4	Avalanche	8	1					4	1	5	1	9	2	4	1						

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
HM	se	W	4	Brilliance	4	4					4	3	4	3	9	2	4	3			8	2	9	1
Sem	se	W	1	Celebration	7	4					5	4	4	4	7	4	7	3		2	9	1	4	1
Mes	se	W	4	Cloud Nine TSW	5	4					4	3	2	3	9	3	5	3					7	2
Rog	se	W	3	Cotton Candy Eh																1				
Sem	se	W	3	EX 8410337	7	2					5	2	7	2	6	3	4	2						
Sem	se	W	2	EX 8414877	D	2		1		1	8	2	7	2	8	3	6	2					6	1
Sem	se	W	3	EX 8414887	7	2					8	2	8	2	8	3	5	2					6	1
Sem	se	W	4	EX 8414897	6	2					9	2	9	2	9	3	5	2					4	1
Sem	se	W	3	EX 8415167	6	2					4	2	6	2	3	2	6	2			9	1	6	1
Sem	se	W	3	EX 8415187	6	2					6	2	5	2	9	3	6	2					6	1
Mes	se	W	3	Exp 20183	6	2					4	1	6	1			4	1					6	1
Sdw	se	W	3	Faith	5	2					5	1	5	1			5	1					7	1
Sem	se	W	3	Fantasia	4	5					8	5	8	4	7	2	6	5		1	7	2		
Cr	se	W	3	Frosty	6	6					6	5	6	5	7	5	4	5			8	2	8	2
HM	se	W	3	HMX 0350 WE	6	2					5	1	5	1			5	1					7	1
Mes	se	W	4	Imaculata	6	1					3	1	3	1	9	2	4	1						
Sdw	se	W	4	Rising Star	7	1					3	1					5	1		1				
Sem	se	W	2	Seneca Sensation	4	7					5	6	5	5	9	5	2	6			7	2	8	2
Sdw	se	W	3	Silver Choice	9	1					5	1					5	1		1				
Rog	se	W	3	Silver King	3	4					5	4	5	3	9	4	3	4		1	9	1	6	1
Rog	se	W		Silver Knight	6	2					9	1	8	1			4	1					9	1
Rog	se	W	2	Silver Princess	6	4					6	4	5	4	8	5	4	4			8	2	6	1
HM	se	W	3	Silverado	5	5					4	4	3	4	9	1	5	2		2	6	1	7	1
Sem	se	W	3	Snowbelle	5	9					8	7	8	8	9	1	4	3		2	9	1	7	1
Mes	se	W	2	Sugar Snow II	4	4					4	2	7	4			5	2		1			9	1
AC	se	W	3	Summer Flavor 76 W	5	2					3	2	5	2			4	2		1				

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
AC	se	W	4	Summer Flavor 81 W	5	2					5	2	3	2			4	2		1				
HM	se	W	3	Sweet Ice	7	5					6	4	5	3	9	2	3	4		1	9	2	9	1
HM	se	W	3	Sweet Satin	8	4					4	3	3	3	1	2	3	3			9	2	5	1
Sem	se	W	3	Viva	7	9					7	7	6	8	9	1	4	5		1	9	1	7	1
<i>Red sugary enhancer</i>																								
Sem	se	R	3	EX 8410017	4	2					5	2	6	2	9	2	2	2			5	1	6	1
Sem	se	R	5	Sweet Scarlet	5	2					6	2	9	2	9	3	3	2					4	1
<i>Yellow shrunken-2</i>																								
AC	sh2	Y	4	ACX 427	D	3		1	2	6	2	9	2	5	1	5	2						8	2
AC	sh2	Y	4	ACX 908	D	2		1	1	5	1	7	1			8	1						7	1
AC	sh2	Y	4	ACX 909	D	2		1	1	6	1	6	1			3	1						6	1
AC	sh2	Y	4	ACX 933	D	2		1	1	5	1	7	1			6	1						8	1
AC	sh2	Y	4	ACX 934	D	2		1	1	7	1	7	1			4	1						7	1
AC	sh2	Y	3	ACX 945	D	2		1	1	6	1	7	1			5	1						6	1
AC	sh2	Y	4	ACX 95 CN 232	*	1			1	3	1	1	1	7	1	1	1				6	1		
AC	sh2	Y	3	ACX 97 CN 405	9	2				8	2	6	2	7	2	5	2				8	1	6	1
Cr	sh2	Y	5	Assure	D	7		3	4	5	5	7	5	8	5	2	5				8	2	5	2
Sdw	sh2	Y	1	Astro	9	1				5	1	3	1						2					
HM	sh2	Y	4	Bandit	D	5		1	4	8	4	6	3	2	2	3	4		1	8	2	7	1	
Sem	sh2	Y	5	Brigadier	6	7				3	6	8	6	9	3	3	5		2	7	2	5	2	
Sem	sh2	Y	4	Brut	5	5				4	4	5	4	8	4	3	4			7	1	6	2	
Sem	sh2	Y	3	Challenger	6	9				3	9	4	11	9	4	3	7		3	6	1	6	1	
IFS	sh2	Y	3	Chieftain	D	2		1	1	3	1					3	1		1					
Cr	sh2	Y	4	Crisp n Sweet 710	6	16				2	13	4	14	9	5	2	9		5	9	2	7	2	
Cr	sh2	Y	4	Crisp n Sweet 710 RR	D	3		2	1	2	1	2	1			2	1						6	1
Cr	sh2	Y	4	Crisp n Sweet 710A	6	9				2	8	4	7	9	5	1	7		3	7	2	5	2	

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Cr	sh2	Y	4	Crisp n Sweet 710ARR	D	3		2		1	2	2	2	1	9	2	1	2					6	1
Rog	sh2	Y	3	Cronus	D	4		1		3	5	4	5	4	7	5	6	4			8	2	4	1
HM	sh2	Y	4	Day Star	6	10					1	8	3	7	8	5	1	7		3	7	2	4	2
Sem	sh2	Y	4	Diva	D	8		3		5	6	6	6	5	9	5	3	6			5	2	6	2
IFS	sh2	Y	1	Early Extra Sweet	7	1					8	1	9	1	7	1	4	1			9	1		
IFS	sh2	Y	3	Early Illini	8	2					5	2	6	2	9	2	5	2			9	1	4	1
Sem	sh2	Y	3	Endeavor	6	7					3	7	5	6	9	5	2	6		3	6	2	4	1
Sdw	sh2	Y	4	Envy	D	2		1		1	2	2	5	2	9	3	2	2			6	1		
Sem	sh2	Y	4	EX 8410057	D	4		2		2	4	3	5	3	9	3	2	3					5	2
Sem	sh2	Y	3	EX 8414687	9	1					4	1	5	1	5	1	5	1					6	1
Sem	sh2	Y	4	EX 8414717	*	3				3	4	3	6	2	9	2	2	3			5	1	6	1
Sem	sh2	Y	5	EX 8415037	D	2		1		1	3	2	4	2			1	1					6	1
Sem	sh2	Y	4	EX 8415257	D	4		2		2	4	3	6	3	9	3	4	3					5	2
Sem	sh2	Y	4	EX 8462518	5	2					4	1	2	1			2	1					6	1
Sem	sh2	Y	4	EX 8492829	D	2		1		1	5	1	3	1			2	1					7	1
Sto	sh2	Y	2	Extra Early Super Swe	5	1					9	1	9	1			9	1						
Sdw	sh2	Y	5	Flagship II	D	6		2		4	4	5	4	4	9	4	2	5			6	1	5	2
IFS	sh2	Y	5	Florida Staysweet	8	13					3	13	3	14	9	2	3	6		5	8	2		
HM	sh2	Y	2	FMX 352	9	2					6	2	9	2			7	1		2				
IFS	sh2	Y	2	Fortune	*	4				4	4	4	4	3			2	3		2				
GG	sh2	Y	4	Green Giant Code 107	D	2		1		1	4	1	3	1			3	1					6	1
GG	sh2	Y	5	Green Giant Code 109	D	2		1		1	5	1	5	1			2	1					7	1
GG	sh2	Y	4	Green Giant Code 11	4	3					7	2	9	4	9	1	5	2			6	1		
GG	sh2	Y	5	Green Giant Code 33	4	3					5	3	4	2	9	1	3	2		2	8	1		
GG	sh2	Y	5	Green Giant Code 39	3	5					5	4	5	3	8	4	4	4		1	9	1	6	1
Rog	sh2	Y	3	GSS 0951 A	X	2		2			5	1	5	1	9	1	3	1			9	1		
Rog	sh2	Y	4	GSS 0954 A	*	2				2	4	2	6	2	9	2	3	2			7	1	4	1

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Seed	ET	KC	RM	Hybrid	Common Rust																			
							New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Rog	sh2	Y	3	GSS 0966 A	X	5		4		1	3	4	4	4	9	4	7	4			7	1	5	2
Rog	sh2	Y	4	GSS 0975 A	*	1				1	5	1	9	1	9	1	1	1			7	1		
Rog	sh2	Y	3	GSS 0978 A	X	3		2		1	5	2	6	2	9	2	5	2					6	1
Rog	sh2	Y	5	GSS 1526	5	2					2	2	5	1	9	1	6	2			6	1		
Rog	sh2	Y	5	GSS 3381	D	4		2		2	2	3	3	3	9	3	3	3					3	2
Rog	sh2	Y	2	GSS 3893	6	1					6	1	8	1	9	1	5	1					6	1
Rog	sh2	Y	3	GSS 4405	*	1				1	3	1	5	1	9	1	3	1			9	1		
Rog	sh2	Y	4	GSS 4644	4	4					3	3	5	3			3	2		2			5	1
Rog	sh2	Y	4	GSS 5771	D	4		2		2	3	3	6	3	9	3	7	3					6	2
Rog	sh2	Y	4	GSS 5786	D	2		1		1	3	2	4	2	9	3	5	2					4	1
Rog	sh2	Y	4	GSS 5859	4	1					3	1	7	1	9	1	5	1					4	1
Rog	sh2	Y	4	GSS 5865	D	4		2		2	5	3	8	3	9	3	2	3					5	2
Rog	sh2	Y	4	GSS 6274																1				
Rog	sh2	Y	3	GSS 7831	6	2														1				
Rog	sh2	Y	5	GSS 8357	D	2		1		1	3	1	2	1			2	1					6	1
Rog	sh2	Y	3	GSS 9299	D	6		2		4	5	4	3	3	9	3	4	4			8	2	4	1
Rog	sh2	Y	4	GSS 9379 R	6	1					5	1	3	1	9	2	4	1						
Rog	sh2	Y	4	GSS 9532	*	1				1	5	1	5	1	9	1	3	1			9	1		
HM	sh2	Y	3	HM 701	7	3					7	2	5	1	9	1	2	2		1	6	1		
HM	sh2	Y	2	HMX 0355 S	D	2		1		1	5	1	4	1			1	1					6	1
HM	sh2	Y	4	HMX 0393 S	D	2		1		1	6	1	6	1			3	1						
HM	sh2	Y	5	HMX 0394 S	D	2		1		1	1	1	5	1			3	1					6	1
HM	sh2	Y	3	HMX 2384 S	D	6		2		4	6	4	5	4	3	1	3	3		3	9	1	5	1
HM	sh2	Y	4	HMX 8392 S	D	5		3		2	6	3	3	3	5	3	3	3					5	2
Sak	sh2	Y	5	Honey 420	6	2					3	2	5	2	9	2	1	2			7	2		
Sak	sh2	Y	5	Honey 600	6	1					5	1	5	1	9	1	3	1			9	1		
Sak	sh2	Y	3	Honey Bantam 20	7	3					5	3	8	2			2	2		3				

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
SnR	sh2	Y	2	HY 944ND	9	1					9	1	9	1	8	2	8	1						
SnR	sh2	Y	4	HY 1116NF	3	1					7	1	9	1	6	2	2	1						
SnR	sh2	Y	5	HY 1558 NG	D	2		1		1	5	1	3	1			6	1					8	1
SnR	sh2	Y	3	HY 1734 NG	D	2		1		1	4	1	2	1			3	1					6	1
IFS	sh2	Y	5	Illini Extra Sweet	7	1					5	1	5	1	9	1	4	1			6	1		
Rog	sh2	Y	2	Impulse	6	3					9	2	9	2	9	1	3	2					8	2
Sak	sh2	Y	5	K8-408	6	1					6	1	7	1	9	1	5	1					6	1
HM	sh2	Y	3	Kandy Kiss	7	4					5	4	5	2			6	2		1				
Rog	sh2	Y	4	Krispy King	7	5					5	2	8	4			8	2		1				
Cr	sh2	Y	4	Marvel	D	9		3		6	5	7	7	6	8	5	2	6		2	7	2	9	2
Sem	sh2	Y	4	Maverick	4	3					2	3	2	2	9	1	1	2		2	6	1		
Sem	sh2	Y	4	Mecca	*	2				2	5	2	1	1			3	1		2				
Cnt	sh2	Y	3	Mirai 001	4	2					6	1	4	1			3	1					7	1
Cnt	sh2	Y	3	Mirai 002	4	2					6	1	4	1			4	1					7	1
Cnt	sh2	Y	2	Mirai 003	6	2					6	1	3	1			5	1					6	1
Cnt	sh2	Y	2	Mirai 005	4	2					5	1	5	1			7	1					6	1
Cr	sh2	Y	4	Missouri	6	6					4	5	3	4	9	4	3	5			6	1	6	2
HM	sh2	Y	5	Morning Star	D	8		3		5	1	6	5	5	5	5	1	6			5	2	4	2
Sto	sh2	Y	2	Northern Supersweet	8	3					4	3	7	3			3	1		1				
Sem	sh2	Y	3	Oh So Sweet	7	2					7	1	4	1			2	1					7	1
HM	sh2	Y	3	Paksweet	4	3					6	3	4	3			7	2		1				
Rog	sh2	Y	3	Prime Plus	D	9		4		5	2	6	3	5	9	5	6	6		1	9	2	5	2
Rog	sh2	Y	3	Primetime	6	9					3	6	3	5	9	3	8	5		2	6	1	6	1
AC	sh2	Y	4	Pro Sweet 415 R	*	2				2	3	2	3	2			5	1		2				
Sem	sh2	Y	3	PS 8004	6	1					6	1	6	1	5	1	3	1					4	1
Sem	sh2	Y	3	Punchline	7	9					3	8	3	7	9	4	3	7		3	6	1	6	2

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Sem	sh2	Y	2	PX 9362379	5	2					4	1	3	1			1	1					6	1
Sem	sh2	Y	2	PX 9381169	D	2		1		1	3	1	2	1			2	1					6	1
Sem	sh2	Y	2	PX 9381178	4	2					3	1	5	1			1	1					6	1
Rog	sh2	Y	4	Royal Sweet	D	6		1		5	6	5	7	4	9	2	6	3		3	7	1	6	1
HM	sh2	Y	4	Rustler	D	6		2		4	6	5	4	5	1	5	2	5			6	2	5	2
Cr	sh2	Y	3	Samson	D	5		2		3	6	4	6	4	7	4	5	4			9	1	7	2
Sdw	sh2	Y	3	Saturn	5	4					6	4	3	3	9	3	4	3		2	6	1		
IFS	sh2	Y	2	Sch 4006	6	3					8	2	9	3			9	1		1				
IFS	sh2	Y	2	Sch 4016	5	2					7	2	5	1			7	1		1				
IFS	sh2	Y	3	Sch 4035	4	2					3	1	6	3			1	1		1				
IFS	sh2	Y	3	Sch 5005	5	5					3	4	4	3	9	1	2	4		1	6	1		
IFS	sh2	Y	4	Sch 5277	6	10					2	9	3	11	9	2	2	6		3	6	2		
IFS	sh2	Y	2	Sch 7248	7	3					2	2	6	4			3	1						
IFS	sh2	Y	2	Sch 20693	9	2					6	2	4	2			5	1		2				
IFS	sh2	Y	2	Sch 20705	3	2					5	2	5	2			5	1		2				
IFS	sh2	Y	5	Sch 20777	*	2			2		2	2	2	2			3	2		1				
IFS	sh2	Y	1	Sch 23604	7	1					3	1	5	1						2				
IFS	sh2	Y	5	Sch 30129	*	2			2		2	2	3	2			1	1		2				
IFS	sh2	Y	2	Sch 30131	*	2			2		7	3	6	2			3	2		2				
IFS	sh2	Y	3	Sch 51042	D	2		1		1	2	1					1	1		1				
IFS	sh2	Y	4	Sch 51045	*	1			1		2	1					1	1		1				
IFS	sh2	Y	4	Sch 61143	D	3		1		2	2	2	4	1	7	1	2	2			5	1		
IFS	sh2	Y	4	Sch 61144	D	2		1		1	2	1					1	1						
IFS	sh2	Y	3	Sch 70064 RR	D	2		1		1	4	2	4	2	9	3	3	2					4	1
IFS	sh2	Y	4	Sch 71148	5	1					5	1	5	1	9	1	5	1			6	1		
Sem	sh2	Y	4	Shaker R	6	5					6	4	5	3	9	1	3	3		3	6	1		
Sem	sh2	Y	1	Sheba	8	3					8	2	8	4			3	2		2				

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001																								
					Common Rust																			
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Sem	sh2	Y	5	Shimmer	D	7		1		6	2	7	5	7	9	5	2	6		3	5	2	4	1
Rog	sh2	Y	4	Showcase	4	2					3	2	8	2			7	1		1				
Sem	sh2	Y	4	Stetson	D	7		2		5	5	6	4	5	9	5	2	6			7	2	6	2
Rog	sh2	Y	5	Sucro	2	3					5	3	2	3						2				
Rog	sh2	Y	6	Sugar 73	2	1					5	1	3	1	2	1	3	1					2	1
AC	sh2	Y	1	Summer Sweet 6710																1				
AC	sh2	Y	2	Summer Sweet 6800	8	2					5	1	6	1	5	1	4	1		1			6	1
AC	sh2	Y	2	Summer Sweet 6800 R	D	3		2		1	5	2	7	2	9	3	3	2					6	1
AC	sh2	Y	3	Summer Sweet 7100	7	4					7	3	5	3	8	3	7	2		2			4	1
AC	sh2	Y	3	Summer Sweet 7210	6	4					1	4	3	7			1	2		1				
AC	sh2	Y	4	Summer Sweet 7630	6	11					2	9	2	10	9	5	2	9		2	8	2	5	2
AC	sh2	Y	4	Summer Sweet 7710	7	10					2	10	2	12	8	5	2	8		3	8	2	4	1
AC	sh2	Y	3	Summer Sweet 8100	5	4					3	3	5	3	9	4	1	3			6	1	3	1
AC	sh2	Y	4	Summer Sweet 8100 R	D	2		1		1	4	1	3	1	9	1	1	1					3	1
HM	sh2	Y	4	Sun Volt	D	4		1		3	7	3	6	2	3	1	4	3			6	1	6	1
Sak	sh2	Y	4	Super Honey Bantam	5	1					7	1	9	1	9	2	2	1						
Rog	sh2	Y	4	Supersweet Jubilee	6	11					7	9	9	7	8	5	3	6		2	8	2	4	1
Rog	sh2	Y	4	Supersweet Jubilee Plus	D	5		3		2	6	2	8	2	9	1	3	2		1	7	1	6	1
HM	sh2	Y	4	Suregold	D	6		2		4	6	5	5	4	3	4	2	5			0	1	5	2
Sem	sh2	Y	4	SVR 08705746	6	2					5	1	5	1			2	1					7	1
Sem	sh2	Y	3	SVR 08705752	5	1					8	1	6	1	5	2	3	1						
Sem	sh2	Y	3	SVR 08705755	5	1					7	1	5	1	4	2	3	1						
Sem	sh2	Y	4	SVR 08705797	D	2		1		1	8	1	4	1			5	1					7	1
Sem	sh2	Y	1	SVR 08705809	D	2		1		1	7	1	6	1			4	1					9	1
Sem	sh2	Y	4	SVR 08709059	D	2		1		1	4	1	1	1			1	1					5	1
Sem	sh2	Y	3	SVR 8415217	D	4		2		2	3	3	6	3	9	3	3	3			9	1	7	1

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Sem	sh2	Y	3	SVR 8460758	D	2		1		1	3	1	7	1			3	1					6	1
Sem	sh2	Y	3	SVR 8460768	D	2		1		1	4	1	4	1			5	1					6	1
Sem	sh2	Y	4	SVR 8461358	D	3		2		1	4	1	9	1			1	1					6	1
HM	sh2	Y	3	Sweetear	6	4					6	5	5	5	9	2	4	3		1				
HM	sh2	Y	3	Swiftly	*	4				4	7	4	6	3	1	3	2	4		1	9	2	6	1
HM	sh2	Y	4	Ultimate	6	11					2	9	2	10	8	5	2	8		3	7	2	5	2
HM	sh2	Y	4	Victor	7	2					4	2	5	2			3	1		1				
Sem	sh2	Y	5	XP 8414737	D	5		2		3	4	4	6	4	9	4	3	4			7	1	5	2
Sem	sh2	Y	1	XPH 3105	9	3					6	3	5	2	9	2	6	2		2				
Sem	sh2	Y	3	XSC 1030	*	1				1	5	1					1	1						
IFS	sh2	Y	1	XTH 90570	7	4					7	3	3	3	9	3	5	3					8	2
IFS	sh2	Y	3	XTH 90590	*	1				1	5	1	3	1	9	1	5	1					6	1
IFS	sh2	Y	2	XTH 90591	6	1					5	1	3	1	5	1	6	1					6	1
IFS	sh2	Y	2	Xtra Sweet 82	8	10					6	10	6	12			5	3		5				
IFS	sh2	Y	1	Xtra Tender 171A	4	4					5	3	3	3	7	3	4	3					6	2
IFS	sh2	Y	2	Xtra Tender 175A	6	4					6	3	4	3	9	3	7	3					7	2
IFS	sh2	Y	3	Xtra Tender 176A	6	4					6	3	5	3	8	3	5	3					6	2
IFS	sh2	Y	3	Xtra Tender 177A	6	4					5	3	2	3	9	3	4	3					5	2
IFS	sh2	Y	3	Xtra Tender 178A	7	5					6	4	5	4	9	4	6	4			9	1	6	2
IFS	sh2	Y	3	Xtra Tender 179A	5	4					5	3	1	3	9	3	5	3					5	2
IFS	sh2	Y	4	Xtra Tender 182A	D	2		1		1	3	2	2	2	8	3	3	2					3	1
HM	sh2	Y	4	Zenith	5	7					5	5	2	6			1	3		4			6	1
<i>Bi-color shrunken-2</i>																								
AC	sh2	B	3	ACX 420	6	1					6	1	8	1	9	1	4	1					4	1
AC	sh2	B	3	ACX 946	D	2		1		1	5	1	6	1			4	1					6	1
AC	sh2	B	3	ACX 950	6	2					6	1	3	1			3	1					7	1
HM	sh2	B	4	Amazingly Sweet	*	2				2	8	2	8	2	9	1	3	2			7	1		

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Seed	ET	KC	RM	Hybrid	Common Rust																			
							New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Rog	sh2	B	3	Bi Time	7	3					4	2	4	1	7	1	6	2			6	1		
Sdw	sh2	B	3	Bicolor Saturn	5	3					6	3	4	3	7	4	6	3			9	1	4	1
Rog	sh2	B	3	Big Time	D	6		2		4	2	5	5	4	9	5	6	5			8	2	4	1
Sem	sh2	B	5	Binar	7	4					8	4	6	6			5	1						
Sem	sh2	B	4	Broadway	D	6		2		4	4	5	5	5	9	5	3	5			8	2	5	2
Rog	sh2	B	3	BSS 0977 VP A	X	4		3		1	2	3	5	3	9	3	7	3					5	2
Rog	sh2	B	1	BSS 1690	4	2					3	1	7	1			1	1					6	1
Rog	sh2	B	6	BSS 8142	4	6					2	5	5	5	7	5	2	5			4	2	3	2
Rog	sh2	B	3	BSS 9472	5	2					5	2	5	1	9	1	6	2			6	1		
Rog	sh2	B	3	BSS 9686	5	3					2	3	5	2	9	2	6	3			8	2		
Sem	sh2	B	4	Cabaret	6	6					3	6	4	6	8	4	4	5		2	7	1	4	1
HM	sh2	B	3	Candy Corner	D	6		2		4	7	4	6	4	3	3	4	4		1	8	2	6	2
HM	sh2	B	4	Candy Store	5	5					5	4	3	6	9	1	3	4		2	6	1	6	1
IFS	sh2	B	3	Chieftain BC	*	1				1	3	1	5	1	9	1	4	1					4	1
HM	sh2	B	2	Confection	9	5					9	4	5	4	7	1	5	4		2	9	1	9	1
Rog	sh2	B	4	Cupola	5	3					9	2	8	2			5	2		1				
Sem	sh2	B	5	Dazzle	6	7					5	7	7	9	9	1	8	4		1	9	1		
HM	sh2	B	4	Double Dots	5	1					7	1	5	1			3	1						
IFS	sh2	B	2	Eagle	5	2					5	2	3	1			5	1		2				
IFS	sh2	B	3	Early Illini BC	7	2					5	2	6	2	9	2	5	2			9	1	6	1
IFS	sh2	B	1	Everprime	6	2					6	2	5	1			5	1		2				
Sem	sh2	B	4	EX 8414647	7	1					5	1	5	1	9	1	1	1			7	1		
Sem	sh2	B	4	EX 8415277	D	3		2		1	5	2	4	2	9	2	4	2					6	1
HM	sh2	B	2	Fantasy	7	4					9	3	9	2	9	1	5	3		1	9	1	9	1
Sem	sh2	B	3	Festival	6	4					4	4	8	3			5	3		2				
IFS	sh2	B	2	Fortune BC	2	2					5	2	6	2	5	2	4	2			8	1	6	1

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Seed	ET	KC	RM	Hybrid	Common Rust																			
							New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
IFS	sh2	B	1	Fresh Start	8	2					6	2	5	2	9	2	6	2			9	1	4	1
SnR	sh2	B	4	HB 1800 NG	D	2		1	1	2	1	2	1				5	1					6	1
IFS	sh2	B	4	Headliner RR	D	2		1	1	1	1						1	1						
IFS	sh2	B	2	Heavyweight	9	2				8	2	5	1				5	1		2				
HM	sh2	B	3	HMX 5352 BS	9	1				8	1	5	1	9	1	1	1	1			9	1		
HM	sh2	B	3	HMX 6362 BS	*	1			1	8	1	7	1	9	1	5	1						6	1
HM	sh2	B	4	HMX 8343 BS	D	4		2	2	1	3	2	3	1	3	2	3						4	2
HM	sh2	B	4	HMX 8344 BS	D	4		2	2	7	3	4	3	3	3	4	3						6	2
HM	sh2	B	2	HMX 9348 BS	9	2				9	1	7	1			3	1						9	1
Sem	sh2	B	4	Hollywood	D	4		2	2	6	3	5	3	9	3	4	3						5	2
IFS	sh2	B	3	Honey n Pearl	5	4				6	4	4	2			4	2		1					
IFS	sh2	B	1	Jumpstart	9	2				9	1					5	1		1					
IFS	sh2	B	1	Jumpstart RR	*	1			1	8	1	8	1	9	1	6	1						4	1
Sem	sh2	B	4	Madonna	6	3				6	3	6	2	9	2	5	3			9	2			
IFS	sh2	B	3	Majesty	7	3				3	3	6	3	9	2	4	3		2	8	1	4	1	
Sto	sh2	B	2	Milk n Honey II															1					
IFS	sh2	B	2	Nordic	6	2				5	2	3	1			9	1		1					
Sem	sh2	B	2	Obsession	D	2		1	1	3	1	6	1			3	1						6	1
IFS	sh2	B	4	Odyssey	D	2		1	1	4	1	5	1	9	1	5	1						6	1
Sak	sh2	B	3	Peter 30	7	3				7	3	7	3			4	2		2					
Sak	sh2	B	4	Peter 235	9	8				8	7	9	6	7	4	6	6		3	9	2			
Sak	sh2	B	5	Peter 445	6	7				3	7	4	6	9	4	4	5		3	6	1	4	1	
Sak	sh2	B	5	Peter 610 imp	6	2				2	2	4	2			2	2		2					
Sak	sh2	B	4	Peter Early No. 1	8	2				9	2	6	1	7	1	4	2			9	1			
Sak	sh2	B	5	Petercorn	6	6				5	6	7	4	9	2	3	4		2	7	2			
Cr	sh2	B	5	Phenomenal	6	17				5	16	5	17	9	5	5	9		5	7	2	5	2	
Sem	sh2	B	2	Princeton	4	3				5	3	6	3	9	1	5	3		1	9	1			

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Sem	sh2	B	2	PS 8002	7	3					5	2	6	2	9	1	4	2					6	2
Sem	sh2	B	4	PS 8201	D	4		2		2	3	3	4	3	8	3	3	3					5	2
Sem	sh2	B	3	PX 9362439	4	2					3	1	7	1			3	1					6	1
IFS	sh2	B	2	Radiance	7	3					6	3	6	3			9	2		3				
IFS	sh2	B	4	Sch 4407	6	4					2	3	3	5			5	2		3				
IFS	sh2	B	1	Sch 4427	9	2					9	2	7	1			5	1						
IFS	sh2	B	3	Sch 7643	4	2					4	2	3	1			5	1		2				
IFS	sh2	B	2	Sch 34163	6	2					8	2	3	1			7	1		2				
IFS	sh2	B	2	Sch 35792	7	1					9	1					7	1		1				
IFS	sh2	B	4	Sch 44144	*	2			2		5	2	1	1			5	1		1				
IFS	sh2	B	2	Sch 46018	5	2					6	2	7	1	9	1	5	2		1	6	1		
IFS	sh2	B	4	Sch 55141	D	2		1		1	3	1					1	1						
IFS	sh2	B	3	Sch 74004	7	1					5	1	5	1	5	1	3	1			9	1		
IFS	sh2	B	3	Sch 74006	7	1					5	1	9	1	9	1	5	1			9	1		
IFS	sh2	B	3	Sch 76003	5	1					5	1	7	1	9	1	4	1			8	1		
IFS	sh2	B	3	Sch 76004	5	1					5	1	8	1	9	1	4	1			8	1		
IFS	sh2	B	2	Sch 86705	5	1					5	1	5	1	9	1	6	1			6	1		
Sem	sh2	B	3	Seneca SX 7504 SSB	7	1					8	1	8	1	9	1	6	1					6	1
Sdw	sh2	B	3	Starpak	7	2					6	2	3	1			3	1		2				
Sdw	sh2	B	4	Starship II	D	2		1		1	3	2	5	2	9	3	1	2			6	1		
AC	sh2	B	3	Summer Sweet 7902	6	3					2	3	1	2	9	1	3	2		2	6	1		
AC	sh2	B	4	Summer Sweet 8102	5	11					3	8	3	9	9	4	1	8		1	7	1	5	2
AC	sh2	B	4	Summer Sweet 8102R	4	2					3	1	4	1	9	2	1	1						
Sem	sh2	B	3	SVR 08705788	D	2		1		1	5	1	5	1			5	1					6	1
Cr	sh2	B	4	Tango	4	2					5	1	3	1			2	1					6	1
Rog	sh2	B	3	Tethys	3	1					5	1	5	1	9	2	4	1						
HM	sh2	B	5	Twin Star	D	5		2		3	1	4	3	4	2	4	2	4			7	1	5	2

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

				Common Rust																				
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
HM	sh2	B	4	Twosome	5	1					5	1					3	1		1				
Sem	sh2	B	3	XPH 3097	5	2					5	2	9	2			3	1		2				
IFS	sh2	B	3	XTH 15001	6	2					5	1	3	1			3	1					6	1
IFS	sh2	B	2	XTH 15003	7	2					5	1	6	1			6	1					9	1
IFS	sh2	B	3	XTH 86804	6	3					4	3	5	3	8	4	4	3			9	1	4	1
IFS	sh2	B	1	XTH 96870	6	1					8	1	7	1	9	1	6	1					6	1
IFS	sh2	B	2	XTH 96872	5	1					6	1	8	1	9	1	5	1					6	1
IFS	sh2	B	3	XTH 96881	5	1					5	1	4	1	9	1	3	1					4	1
IFS	sh2	B	2	XTH 96885	7	2					7	2	5	2	9	3	4	2					8	1
IFS	sh2	B	2	XTH 96887	5	1					5	1	4	1	9	1	5	1					4	1
IFS	sh2	B	1	Xtra Tender 270A	7	4					7	3	6	3	6	3	3	3			9	1	8	1
IFS	sh2	B	1	Xtra Tender 271A	7	4					7	3	2	3	9	3	5	3					7	2
IFS	sh2	B	1	Xtra Tender 272A	8	4					7	3	5	3	8	3	3	3			9	1	8	1
IFS	sh2	B	2	Xtra Tender 273A	6	5					8	4	5	4	9	4	5	4			9	1	5	2
IFS	sh2	B	2	Xtra Tender 275A	8	4					6	3	4	3	9	3	5	3					7	2
IFS	sh2	B	3	Xtra Tender 276A	7	4					6	3	5	3	8	3	3	3					7	2
IFS	sh2	B	3	Xtra Tender 277A	6	4					5	3	3	3	9	3	3	3					5	2
IFS	sh2	B	3	Xtra Tender 278A	6	4					4	3	3	3	9	3	3	3					5	2
IFS	sh2	B	4	Xtra Tender 282A	D	4		2	2		2	3	3	3	9	3	2	3					5	2
Sak	sh2	B	5	Yumeno 85	5	1					5	1	3	1	9	1	4	1					6	1
Sak	sh2	B	5	Yumeno corn	D	4		2	2		4	3	7	3	8	3	3	3					6	2
<i>White shrunken-2</i>																								
Rog	sh2	W	4	Aspen	9	2					9	2	6	2			5	2		1				
Rog	sh2	W	3	Boreal	D	4		1	3		3	4	4	4	9	5	7	4			7	2	4	1
Sem	sh2	W	4	Crystal	5	3					6	3	7	2	9	1	6	2		2	6	1		
IFS	sh2	W	2	Crystal Cream	9	2					5	2	5	1	9	1	4	2			9	1		

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Seed	ET	KC	RM	Hybrid	Common Rust																			
							New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
Sem	sh2	W	5	Dreamer	5	6					6	5	7	5	8	5	3	5			8	2	6	2
Sem	sh2	W	5	Even Sweeter	6	9					5	9	5	10	9	2	4	6		1	8	2		
Sem	sh2	W	5	EX 8410177	8	2					6	2	9	2	9	3	4	2					6	1
Sem	sh2	W	4	EX 8410187	D	2		1	1		8	2	6	2	8	3	4	2					6	1
IFS	sh2	W	1	First Class	9	2					7	2	6	2	9	2	6	2			9	1	6	1
IFS	sh2	W	2	First Snow	8	2					6	2	6	2	7	2	5	2			9	1	6	1
HM	sh2	W	4	FMX 413	D	6		1	5		6	5	7	4	9	3	2	5		1	8	2	5	2
HM	sh2	W	3	FMX 414	5	3					6	3	9	2	9	2	5	3		1	5	1		
HM	sh2	W	4	HMX 0356 WS	D	2		1	1		1	1	1	1			2	1					3	1
Cr	sh2	W	5	How Sweet It Is	6	14					5	12	4	12	8	5	4	8		5	7	2	5	2
SnR	sh2	W	4	HW 1287 NF	7	2					6	1	5	1			3	1					5	1
SnR	sh2	W	3	HW 1292 NF	7	2					5	1	7	1			4	1					5	1
HM	sh2	W	3	Ice Queen	D	5		1	4		7	4	4	3	3	2	4	4		1	6	1	5	2
IFS	sh2	W	3	Majesty W	8	2					5	2	6	2	9	2	4	2			9	1	4	1
Sak	sh2	W	5	Millennium	D	3		2	1		3	2	1	2	2	2	1	2					6	1
IFS	sh2	W	2	Nova	7	3					6	2	8	2	9	2	5	2			9	1	6	1
Sem	sh2	W	3	PS 7502	5	3					5	2	8	2	9	1	6	2					5	2
Sem	sh2	W	3	PS 8003	6	3					6	2	6	2	9	1	4	2					5	2
Sem	sh2	W	3	Seneca PX 9355039	5	1					5	1	2	1	9	2	4	1						
Sem	sh2	W	3	Seneca SX 7401 SSW	7	2					8	2	8	2	9	2	4	2			9	1	6	1
HM	sh2	W	3	Silver Dollar	8	4					3	3	4	3	5	1	6	2		2	9	1	7	1
IFS	sh2	W	4	Snow Storm	5	3					5	3	7	3	9	3	3	3			8	2	4	1
HM	sh2	W	4	Snow White	9	12					7	11	7	11	4	5	3	9		3	8	2	7	2
Rog	sh2	W	3	Snowmass																1				
Sem	sh2	W	4	Sugar Bowl	5	7					4	6	7	5	9	4	2	5		2	7	2	6	1
AC	sh2	W	1	Summer Sweet 7311	6	1					8	1	9	1	9	1	4	1					4	1
AC	sh2	W	4	Summer Sweet 7631	6	8					2	7	3	6	8	5	2	6		2	7	2	5	2

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Seed	ET	KC	RM	Hybrid	Common Rust		New	Old	NLB	Stewart's wilt	MDM	SLB	ALB	Southern rust	GLS								
AC	sh2	W	4	Summer Sweet 7711											1								
AC	sh2	W	3	Summer Sweet 781 Ultra	6	9			3	8	3	7	9	5	3	7		3	9	2	6	2	
AC	sh2	W	3	Summer Sweet 7901	5	1			4	1	4	1	9	1	1	1					4	1	
AC	sh2	W	3	Summer Sweet 8101	5	1			3	1					1	1		1					
Sem	sh2	W	4	SVR 08705770	D	2		1	1	5	1	5	1		6	1					6	1	
Sem	sh2	W	5	SVR 08705771	D	2		1	1	3	1	3	1		3	1					6	1	
Sem	sh2	W	4	SVR 08705774	3	1			6	1	5	1	1	2	4	1							
Sem	sh2	W	5	SVR 08705779	D	2		1	1	3	1	4	1		3	1					6	1	
HM	sh2	W	2	Sweet Magic	9	7			8	5	5	4	3	1	5	4		3	9	1	9	1	
IFS	sh2	W	5	Treasure	6	6			4	5	5	6	9	1	5	5		1	7	1			
Rog	sh2	W	3	Vail	7	3			2	3	5	2	9	2	4	3			8	1	4	1	
Sdw	sh2	W	3	White Saturn	6	1			6	1	4	1	9	2	6	1							
Rog	sh2	W	3	Windham	D	3		1	2	7	3	7	3	9	4	3	3		9	1	4	1	
Rog	sh2	W	3	WSS 1921	D	4		2	2	3	3	5	3	9	3	2	3				5	2	
Rog	sh2	W	4	WSS 3680	6	4			7	3	8	2			5	3		1					
Rog	sh2	W	4	WSS 3681	D	2		1	1	5	1	9	1	9	1	1	1		1	7	1		
Rog	sh2	W	4	WSS 9870	D	2		1	1	2	1	3	1		6	1					6	1	
IFS	sh2	W	2	XTH 98003	5	1			4	1	4	1	5	1	5	1					4	1	
IFS	sh2	W	3	XTH 98004	5	1			4	1	6	1	5	1	4	1					4	1	
IFS	sh2	W	1	Xtra Tender 372A	7	4			7	3	4	3	9	3	3	3					6	2	
IFS	sh2	W	2	Xtra Tender 374A	6	4			7	3	7	3	8	3	4	3					5	2	
IFS	sh2	W	3	Xtra Tender 376A	6	4			7	3	7	3	8	3	4	3					5	2	
IFS	sh2	W	3	Xtra Tender 378A	5	3			5	2	2	2	9	1	3	2					5	2	
IFS	sh2	W	4	Xtra Tender 382A	D	3		1	2	3	2	3	2	5	1	3	2				5	2	
<i>Multi-colored shrunken-2</i>																							
HM	sh2	M	4	Indian Summer	9	4				8	3	9	2	9	1	3	3			9	1	8	1

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001

Reactions of sweet corn hybrids in the University of Illinois disease nursery from 1984 to 2001																								
					Common Rust																			
Seed	ET	KC	RM	Hybrid			New		Old		NLB		Stewart's wilt		MDM		SLB		ALB		Southern rust		GLS	
<i>Brittle</i>																								
UHA	bt	Y		217 x ba11	3	1					3	1	4	1	3	2	1	1						
UHA	bt	Y		ba11 x KbtL13	3	1					3	1	3	1	2	2	2	1						
UHA	bt	Y		ba11 x 190	3	1					2	1	4	1	2	2	1	1						
UHA	bt	Y		Hi37c x Hi36c	3	1					1	1	3	1	3	2	2	1						
Rog	bt	Y	6	Sugar 74 bt	2	1					2	1	1	1	1	1	3	1					3	1
UHA	bt	B		KSS x Hi38y	5	1					3	1	2	1	3	2	2	1						
UHA	bt	W		Hawaii #9 Silver	2	1					3	1	4	1	9	2	4	1						

