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1999 Specialty Soybean Tests

Mean performance of IA2050 and other public cultivars evaluated in the Uniform Preliminary Soybean Test I on non-infested soil at Kanawha and Pocahontas, IA during 1997.

					Plant	Seed		Composition	***
	BSR	Yield	Maturity	Lodging	Height	Quality	Seed Size	Protein	Oil
Cultivar	Resistance	(bu/a)	Date	Score*	(in.)	Score **	(g/100 sd)	(%)	(%)
IA2050	Resistant	67.2	21-Sept	1.2	33	1.0	15.3	39.8	20.6
IA1006	Resistant	57.2	17 - Sept	1.7	37	1.2	15.1	39.4	19.6
Marcus 95	Susceptible	58.6	18 - Sept	1.4	34	2.0	16.1	39.1	21.1
Parker	Susceptible	57.4	17 - Sept	2.6	37	1.5	15.8	39.7	20.7

* 1=erect, 5=prostrate

** 1=good, 5=poor

*** Dry-weight basis

Mean Performance of IA2050 and other public cultivars evaluated in the Uniform Preliminary Soubean Test I (regional summary) on non-infested soil during 1997.

					Plant	Seed		Composition	***
	BSR	Yield	Maturity	Lodging	Height	Quality	Seed Size	Protein	Oil
Cultivar	Resistance	(bu/a)	Date	Score*	(in.)	Score **	(g/100 sd)	(%)	(%)
IA2050	Resistant	58.2	24 - Sept	1.6	32	1.7	16.8	40.5	20.0
IA1006	Resistant	52.8	21 - Sept	2.0	37	1.3	16.3	39.5	19.6
Marcus 95	Susceptible	48.0	24 - Sept	1.7	31	1.8	16.7	39.1	20.7
Parker	Susceptible	49.1	20 - Sept	2.9	37	1.6	16.9	40.3	20.0

* 1=erect, 5=prostrate

** 1=good, 5=poor

*** Dry-weight basis

Mean Brown Stem rot resistance of IA2050 and other public cultivars evaluated on BSR-infested soil in two replications at Ames, IA, during 1997, and 1999.

			Brown Stem Rot Resistance				
Cultivar			1997			1999	
		Incidence *		Severity**	Incidence*		Severity

IA2050	Resistant	60		16	30		8
IA1006	Resistant	40		9	35		4
Marcus 95	Susceptible		Not evaluated		55		18
Parker	Susceptible	100		36		Not evaluated	
IA2021	Susceptible	100		54	100		43
IA2008R	Resistant	45		8	0		0

*Incidence measured as the percentage of plants observed with disease symptoms.

**Severity expressed as the average height of internal stem browning.

Mean performance of IA2050 and other public cultivars evaluated in the Uniform Preliminary Soybean Test I on non-infested soil at Kanawha and Sioux Rapids, IA during 1998.

					Plant		Composition	***	
	BSR	Yield	Maturity	Lodging	Height	Seed Size	Protein	Oil	
Cultivar	Resistance	(bu/a)	Date	Score*	(in.)	(g/100 sd)	(%)	(%)	
IA2050	Resistant	54.6	16 - Sept.	1.7	32	17.4	40.6	20.2	
IA1006	Resistant	52.1	16 - Sept.	2.3	40	17.3	41.1	19.6	

Marcus 95	Susceptible	55.3	17 - Sept.	2.0	37	18.5	41.4	20.7	
Parker	Susceptible	52.1	14 - Sept.	3.1	37	18.0	41.7	20.3	

* 1=erect, 5=prostrate

** Dry-weight basis

Mean performance of IA2050 and other public cultivars evaluated I the Uniform Preliminary Soybean Test I (regional summary) on non-infested soil during 1998

					Plant		Composition	***	
	BSR	Yield	Maturity	Lodging	Height	Seed Size	Protein	Oil	
Cultivar	Resistance	(bu/a)	Date	Score*	(in.)	(g/100 sd)	(%)	(%)	
IA2050	Resistant	59.6	18	1.9	33	17.2	41.8	19.9	
IA1006	Resistant	55.4	16	2.5	38	16.7	41.7	19.8	
Marcus 95	Susceptible	55.7	17	2.1	34	17.5	41.9	20.6	
Parker	Susceptible	51.2	14	3.2	37	17.9	42.3	20.2	

* 1=erect, 5=prostrate

** Dry-weight basis

Mean performance of IA2050 and other public cultivars evaluated in the Uniform Soybean Test I on non-infested soil at Ames, Kanawha, and Sioux Rapids, IA during 1000.

	BSR	Yield	Maturity	Lodging	Plant Height	Seed Size
Cultivar	Resistance	(bu/a)	Date	Score *	(in.)	(g/ 100 sd)
IA2050	Resistant	58.3	18 - Sept.	1.7	35	15.7
IA1006	Resistant	55.6	10 - Sept.	1.9	39	15.6
IA1008	Susceptible	55.8	11 - Sept.	1.5	38	17.3
Parker	Susceptible	57.4	7 - Sept.	2.5	38	17.2

*1=erect, 5=prostrate

Mean performance of IA2050 and other public cultivars evaluated in the Uniform Soybean Test I on non-infested soil for all locations in 1999.

	BSR	Yield	Maturity	Lodging	Plant Height	Seed Size
Cultivar	Resistance	(bu/a)	Date	Score *	(in.)	(g/ 100 sd)
IA2050	Resistant	55.5	18 - Sept.	1.5	34	15.8
IA1006	Resistant	51.5	15 - Sept.	2.0	38	15.7

IA1008	Susceptible	52.5	16 - Sept.	1.6	37	17.5
Parker	Susceptible	51.6	13 - Sept.	2.4	38	17.5

*1=erect, 5=prostrate

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Mean performance of IA2051 and other public varieties evaluated in the Uniform Preliminary Test II at Ames and Hubbard, IA during 1997.

					Seed	Seed			
Variety	Yield	Maturity	Lodging	Height	Quality	Size	Protein	Oil	Chlorosis
	Bu/ A	Mon - Day	Score *	In.	Score **	Mg/seed	%+	%+	Score@
IA2051	58.3	9-24	1.3	32	1.6	191	41.2	20.0	2.1
Marcus 95	50.4	9-20	1.7	28	2.0	175	39.4	21.4	3.6
IA2021	54.0	9-22	1.8	29	1.6	173	37.8	21.9	3.1
IA2022	57.3	9-28	1.6	36	1.7	151	40.9	19.9	3.3

*Lodging score 1=Plants erect, 5=Plants prostrate

** Quality score: 1=Good, 5=Poor

+ Expressed on a 13% moisture basis

@ Iron Chlorosis: 1=No yellowing, 5=Severe Yellowing on calcareous soil.

Mean performance of IA2051 and other public varieties evaluated in the Uniform Test II at Ames and Grand Junction, IA during 1998.

					Seed				
Variety	Yield	Maturity	Lodging	Height	Size	Protein	Oil	Chlorosis	Emergence
	Bu/ A	Mon - Day	Score *	In.	Mg/seed	%+	%+	Score@	Score #
IA2051	62.9	9-15	1.5	36	181	41.8	20.0	4.0	1.0
Marcus 95	55.7	9-12	2.0	33	171	41.4	21.1	4.4	1.0
IA2021	59.6	9-14	2.0	32	169	39.8	21.3	3.8	3.0
IA2038	60.6	9-17	2.0	36	199	41.2	20.8	5.0	2.0

*Lodging score 1=Plants erect, 5=Plants prostrate

+ Expressed on a 13% moisture basis

@ Iron Chlorosis: 1=No yellowing, 5=Severe Yellowing on calcareous soil.

Emergence score: 1=Excellent, 5=Poor

Mean performance of IA2051 and other public varieties evaluated in the Uniform Test II at Alden, Ames and Rippey, IA during 1999.

					Seed				
Variety	Yield	Maturity	Lodging	Height	Size	Protein	Oil	Chlorosis	Emergence
	Bu/ A	Mon - Day	Score *	In.	Mg/seed	%+	%+	Score@	Score #

IA2051	56.6	9-17	1.2	34	174	41.6	20.0	2.9	1.0
IA1008	52.6	9-13	1.3	34	167	39.9	20.2	3.6	4.0
IA2021	53.5	9-15	1.6	29	159	39.2	21.2	3.6	4.0
IA2038	55.1	9-19	1.6	34	181	40.7	20.7	4.8	4.0

*Lodging score 1=Plants erect, 5=Plants prostrate

+ Expressed on a 13% moisture basis

@ Iron Chlorosis: 1=No yellowing, 5=Severe Yellowing on calcareous soil.

Emergence score: 1=Excellent, 5=Poor

Two-year mean performance of IA2051 and other public varieties evaluated throughout the Midwest in the Uniform Test II during 1998-1999.

					Seed		
Variety	Yield	Maturity	Lodging	Height	Size	Protein	Oil
	Bu/ A	Mon - Day	Score *	In.	Mg/seed	%+	%+
IA2051	59.8	9-17	1.3	35	178	41.7	20.0
IA2021	56.5	9-15	1.8	31	164	39.5	21.3
IA2038	57.8	9-19	1.8	35	190	41.0	20.8

*Lodging score 1=Plants erect, 5=Plants prostrate

+ Expressed on a 13% moisture basis

Mean performance of IA2052 and other public varieties evaluated in the Uniform Preliminary Test III at Fairfield and Stuart, IA during 1997.

					Seed	Seed			
Variety	Yield	Maturity	Lodging	Height	Quality	Size	Protein	Oil	Chlorosis
	Bu/ A	Mon - Day	Score *	In.	Score **	Mg/seed	%+	%+	Score@
IA2052	57.9	9-17	1.5	33	2.0	158	40.6	20.3	2.8
IA2022	56.8	9-19	1.3	33	2.2	156	40.5	20.3	3.1
Iroquois	57.1	9-23	1.5	32	2.0	161	40.7	20.1	2.7
Macon	59.4	9-28	1.3	33	2.0	175	40.9	20.0	3.5

*Lodging score 1=Plants erect, 5=Plants prostrate

** Quality score: 1=Good, 5=Poor

+ Expressed on a 13% moisture basis

@ Iron Chlorosis: 1=No yellowing, 5=Severe Yellowing on calcareous soil.

Mean performance of IA2052 and other public varieties evaluated in the Uniform Test II at Ames and grand Junction, IA during 1998.

					Seed				
Variety	Yield	Maturity	Lodging	Height	Size	Protein	Oil	Chlorosis	Emergence

	Bu/ A	Mon - Day	Score *	In.	Mg/seed	%+	%+	Score@	Score #
IA2052	63.0	9-16	2.0	37	149	41.7	20.6	3.9	1.0
Marcus 95	55.7	9-12	2.0	33	171	41.4	21.1	4.4	1.0
IA2021	59.6	9-14	2.0	32	169	39.8	21.3	3.8	3.0
IA2038	60.6	9-17	2.0	36	199	41.2	20.8	5.0	2.0

*Lodging score 1=Plants erect, 5=Plants prostrate

+ Expressed on a 13% moisture basis

@ Iron Chlorosis: 1=No yellowing, 5=Severe Yellowing on calcareous soil.

Emergence score: 1=Excellent, 5=Poor

Mean performance of IA2052 and other public varieties evaluated in the Uniform Test II at Alden, Ames and Rippey, IA during 1999.

					Seed				
Variety	Yield	Maturity	Lodging	Height	Size	Protein	Oil	Chlorosis	Emergence
	Bu/ A	Mon - Day	Score *	In.	Mg/seed	%+	%+	Score@	Score #
IA2052	58.6	9-18	1.7	37	148	41.1	20.4	3.5	1.0
IA1008	52.6	9-13	1.3	34	167	39.9	20.2	3.6	4.0
IA2021	53.5	9-15	1.6	29	159	39.2	21.2	3.6	4.0
IA2038	55.1	9-19	1.6	34	181	40.7	20.7	4.8	4.0

*Lodging score 1=Plants erect, 5=Plants prostrate

+ Expressed on a 13% moisture basis

@ Iron Chlorosis: 1=No yellowing, 5=Severe Yellowing on calcareous soil.

Emergence score: 1=Excellent, 5=Poor

Two - year mean performance of IA2052 and other public varieties evaluated throughout the Midwest in the Uniform Test II during 1998-1999.

					Seed		
Variety	Yield	Maturity	Lodging	Height	Size	Protein	Oil
	Bu/ A	Mon - Day	Score *	In.	Mg/seed	%+	%+
IA2052	60.8	9-18	1.8	37	148	41.4	20.5
IA2021	56.5	9-15	1.8	31	164	39.5	21.3
IA2038	57.8	9-19	1.8	35	190	41.0	20.8

*Lodging score 1=Plants erect, 5=Plants prostrate

+ Expressed on a 13% moisture basis