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1997 Specialty Soybean Tests

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1997 Specialty Test North, Iowa State University Ames, Kanawha, Pocahontas and Greene, Iowa.

Entry Yield Maturity Lodging Height Size Sd.Lb. Protein Oil Emerg. Chlor.

Entry	Yield	Maturity	Lodg.	Ht.	Size	sd/lb	Prot.	Oil	Emerg.	Chlor.
General Use										
IA1006	58.3	12	1.7	39	15.6	2910	33.5	18.7	1	3
IA2021	57.6	17	1.6	35	16.6	2740	31.0	20.2	5	4.1
IA2022	57.9	23	1.6	40	14.8	3070	33.8	18.7	1	4.6
Large Seed - High Protein										
IA1005	56.2	14	1.8	36	18.9	2400	35.3	18.5	4	2.4
Vinton 81	46.9	15	2.1	40	21.4	2120	37.0	17.7	2	3.6
HP204	48.8	14	2.1	41	20.8	2180	36.9	17.8	1	3.6
IA2016	46.5	16	2.0	38	20.9	2170	36.9	18.0	3	3.1
IA2017	52.2	15	2.0	40	20.3	2240	36.9	17.6	4	3.0
IA2020	46.4	19	1.9	41	23.4	1940	36.7	18.6	3	3.5
IA2034	52.6	19	1.7	38	21.3	2130	37.6	17.1	1	2.8

Large seed										
IA2012	56.7	15	1.3	34	26.1	1740	35.7	18.0	2	3.0
IA2013	54.1	15	1.5	33	24.3	1870	34.6	18.4	5	3.9
IA2019	50.9	17	1.4	37	25.4	1790	34.0	19.1	4	2.8
IA1007	49.3	12	1.3	33	25.4	1790	35.4	18.0	4	2.9
Small seed										
IA2023	45.5	17	2.1	36	7.6	5970	38.7	14.6	1	3.8
IA2035	47.0	19	2.4	35	7.0	6490	38.7	14.2	5	3.3
IA2024	46.8	19	3.3	35	7.1	6390	38.2	14.8	5	3.1
Lacks lipoxygenase-2										
IA2011	53.4	16	1.5	37	19.6	2320	34.9	18.9	2	3.0

Yield: Bushels/acre at 13% moisture

Maturity: Days after August 31

Lodging: 1=erect; 5=prostrate

Seed weight: Grams/100 seeds

Protein & oil: 13% moisture basis

Emergence: 1=excellent, 5=poor

Iron-deficiency chlorosis: 1=no chlorosis, 5=severe chlorosis

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1997 Specialty Test Central, Iowa State University Ames, Hubbard, and Grand Junction, Iowa.

Entry Yield Maturity Lodging Height Size Sd.Lb. Protein Oil Emerg. Chlor.

Entry	Yield	Maturity	Lodg.	Ht.	Size	sd/lb	Prot.	Oil	Emerg.	Chlor.
General Use										
IA1006	59.6	5	3.8	37	15.4	2950	32.9	19.1	2	3.1
IA2021	62.3	13	1.8	32	16.1	2820	30.9	20.4	5	4.5

IA2022	64.5	18	1.8	38	14.7	3090	33.9	18.7	2	4.4
Large Seed - High Protein										
Vinton 81	49.6	11	2.3	39	21.4	2120	36.6	18.1	2	3.0
HP204	49.0	10	2.2	38	20.3	2240	36.2	18.2	1	3.6
IA2016	49.3	10	2.0	36	20.3	2240	36.9	17.9	2	3.8
IA2017	55.2	9	2.0	37	19.5	2330	36.7	17.8	2	3.0
IA2018	52.5	12	2.0	38	19.0	2390	36.3	17.7	4	3.3
IA2020	52.2	14	2.0	38	22.6	2010	37.0	18.5	2	3.3
IA2034	59.7	15	1.9	37	21.2	2140	37.1	17.5	1	2.9
IA3006	57.1	17	1.6	32	26.7	1700	36.2	18.2	3	3.8
Large Seed										
IA2012	56.7	10	1.4	31	25.5	1780	35.2	18.5	4	3.5
IA2013	54.9	9	1.7	30	23.4	1940	34.5	18.6	5	4.4
IA2019	51.5	14	1.8	34	24.9	1820	34.3	19.1	4	2.8
IA3002	56.4	16	1.4	32	25.1	1810	33.0	18.6	5	3.4
IA2037	54.7	16	1.6	31	28.2	1610	35.9	18.5	4	3.1
IA3009	55.9	19	1.7	33	30.2	1500	35.0	18.8	3	3.1
Small Seed										
IA2005	45.7	17	2.5	35	8.5	5340	38.9	15.7	1	4.4
IA2023	43.8	14	2.3	33	7.5	6050	38.2	15.0	1	4.3
IA2024	46.1	16	3.3	33	7.0	6490	37.8	14.8	5	3.6
IA2035	46.0	15	2.2	31	6.9	6580	38.2	14.2	5	3.8
IA3007	40.6	24	3.3	35	7.2	6310	32.9	17.2	3	4.1
Lacks Lipoxygenase-2										
IA2011	55.5	12	1.5	34	19.1	2380	3>			

Yield: Bushels/acre at 13% moisture
Maturity: Days after August 31

Lodging: 1=erect; 5=prostrate

Seed weight: Grams/100 seeds

Protein & oil: 13% moisture basis

Emergence: 1=excellent, 5=poor

Iron-deficiency chlorosis: 1=no chlorosis, 5=severe chlorosis

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1997 Specialty Test South, Iowa State University Ames, Fairfield and Griswold, Iowa.

Entry Yield Maturity Lodging Height Size Sd.Lb. Protein Oil Emerg. Chlor.

Entry	Yield	Maturity	Lodg.	Ht.	Size	sd/lb	Prot.	Oil	Emerg.	Chlor.
General Use										
IA2021	65.1	10	2.0	31	15.2	2990	30.5	20.6	5	3.4
IA2022	68.9	17	1.7	36	14.3	3180	34.5	18.7	1	4.9
Large Seed/ High Protein										
Vinton 81	54.1	8	2.3	37	20.1	2260	36.7	17.9	1	3.3
IA2016	55.2	7	2.4	36	19.9	2280	36.9	18.0	1	3.8
IA2020	59.2	12	1.8	38	21.9	2070	36.8	18.6	2	3.8
IA2034	63.7	12	1.9	36	20.6	2200	37.7	17.4	1	1.9
IA3001	63.1	16	1.8	38	17.9	2540	37.4	18.4	1	2.4
IA3006	62.5	16	1.6	31	24.7	1840	36.4	18.1	1	3.1
Large Seed										
LS301	61.9	12	1.6	31	23.7	1920	35.8	18.0	1	3.8
IA2012	61.2	10	1.5	31	24.6	1850	35.5	18.3	4	3.6
IA2013	57.8	8	1.7	29	22.2	2050	34.9	18.4	5	3.8
IA2019	61.7	13	1.6	34	24.0	1890	33.6	19.3	5	2.8
IA3002	63.6	16	1.4	32	24.5	1850	33.4	18.5	5	3.1
Small Seed										
IA2023	48.0	12	2.7	34	7.4	6140	37.8	14.9	1	3.8
IA2024	50.3	14	3.9	34	6.7	6780	37.2	15.0	5	3.9

IA2035	50.6	14	2.7	32	6.9	6580	37.8	14.4	5	2.9
IA3007	52.0	21	3.2	37	7.7	5900	33.3	17.1	4	3.8
IA3008	56.1	18	3.2	33	7.2	6310	31.2	17.6	5	3.6
IA4001	51.6	26	3.1	36	7.0	6490	31.2	18.0	4	4.4

Yield: Bushels/acre at 13% moisture

Maturity: Days after August 31

Lodging: 1=erect; 5=prostrate

Seed weight: Grams/100 seeds

Protein & oil: 13% moisture basis

Emergence: 1=excellent, 5=poor

Iron-deficiency chlorosis: 1=no chlorosis, 5=severe chlorosis

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