

**2012 Elite Soybean Test North, Iowa State University  
Ames, Charles City, Eldora, and Kanawha, Iowa**

Entry	Yield bu/a	Group rank	Maturity date	Lodging score	Height inches	Seed weight mg/sd	Protein sds/lb	Oil %	Chlorosis score	Palmitic +			Oleic %	Linoleic %	Linolenic %	Character	
										Palmitic %	Stearic %	Stearic %					
IA1022	52.3	2	9/3	2.3	32	154	2940	32.0	21.2	3.3	10.7	4.8	15.5	25.8	51.6	7.0	General use, SCN resistant, yellow hilum
<b>#IA1026</b>	51.7	3	9/3	1.6	26	156	2900	36.2	19.0	3.8	10.0	5.4	15.3	24.4	58.6	1.6	General use, SCN resistant, yellow hilum
IA1008	48.8	4	9/3	2.2	36	168	2710	34.1	19.4	3.8	10.6	4.9	15.6	25.3	52.3	6.8	General use, SCN resistant, yellow hilum
IA1025	47.7	6	9/5	1.8	34	172	2630	35.4	18.1	3.8	4.3	4.0	8.3	27.7	56.2	7.8	General use
<b>#IAR1901 BSR</b>	45.5	9	9/5	1.9	33	147	3090	33.8	19.8	3.9	9.3	5.1	14.4	25.5	53.1	7.0	General use, BSR resistant
IA1024	45.1	11	9/5	2.3	30	158	2860	34.5	19.4	3.6	3.7	3.7	7.4	27.9	57.6	7.1	General use
IA2069	42.6	12	9/5	1.6	28	161	2810	34.3	19.4	3.8	3.9	3.6	7.4	26.1	58.8	7.6	General use
IA2095	46.2	7	9/6	1.5	28	144	3140	34.2	18.9	3.8	3.9	4.3	8.2	30.3	54.1	7.4	General use
IA2096	42.0	13	9/6	2.1	32	142	3200	34.6	19.8	4.1	10.9	5.7	16.6	25.7	56.3	1.4	General use
IA2092	45.8	8	9/7	1.7	33	154	2950	34.0	19.4	3.9	3.9	4.0	7.9	30.9	54.6	6.6	General use
IA2079	45.3	10	9/7	1.6	29	158	2860	34.7	19.7	3.5	10.3	5.7	16.0	25.8	57.0	1.2	General use
IA2102	56.1	1	9/8	3.0	35	160	2830	34.7	19.3	3.3	10.4	5.2	15.6	23.1	53.4	7.8	General use, yellow hilum
IA2105	48.1	5	9/9	1.7	33	153	2970	34.3	18.9	2.8	10.5	5.0	15.6	24.3	52.6	7.6	General use, yellow hilum
IA2076	43.6	1	9/3	2.5	31	244	1860	34.8	19.1	3.4							Large seed
IA1010	40.4	2	9/4	1.6	30	247	1840	35.3	18.8	3.1							Large seed
IA1018	40.6	5	9/6	2.1	32	178	2540	36.4	18.8	3.8							High protein, large seed
IA2046	43.5	3	9/7	2.0	30	235	1930	36.3	18.8	3.9							High protein, large seed
IA2067	40.5	6	9/7	2.1	36	216	2100	37.6	18.7	3.6							High protein, large seed
IA2104	44.9	2	9/9	1.8	30	210	2160	36.7	18.7	3.7							High protein, large seed
IA2103	45.6	1	9/10	1.9	33	230	1980	37.2	18.3	3.4							High protein, large seed
IA2053	42.2	4	9/11	2.1	32	213	2130	37.8	18.2	3.6							High protein, large seed
IA1010LF	41.0	4	9/3	1.8	29	250	1820	35.4	18.8	3.4							Lipoxygenase free
IA1008LF	48.6	1	9/5	2.1	36	170	2670	34.5	19.4	4.1							Lipoxygenase free, SCN resistant
IA2076LF	43.2	3	9/5	2.1	32	241	1880	35.4	18.9	3.3							Lipoxygenase free
IA2053LF	44.2	2	9/7	2.2	33	202	2250	37.4	18.3	3.0							Lipoxygenase free

**#New for 2013.**

Yield: Bushels/acre at 13% moisture

Protein and oil: 13%-moisture basis

Maturity: Month/Day

Iron-deficiency chlorosis score: 1=No chlorosis, 5=Severe chlorosis

Lodging: 1=Erect, 5= Prostrate

For information about the test, contact Walter Fehr, Department of Agronomy, Iowa State University, Ames, IA 50011.

Phone: 515-294-6865; Fax: 515-294-6514; E-mail: [wfehr@iastate.edu](mailto:wfehr@iastate.edu)

For information on licensing soybean cultivars developed by Iowa State University, contact:

Julie JG Minot

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310 Lab of Mechanics

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**2011 - 2012 Elite Soybean Test North, Iowa State University  
Two-Year Means**

Entry	Yield bu/a	Group rank	Maturity date	Lodging score	Height inches	Seed weight		Protein %	Oil %	Chlorosis score	Palmitic +				Linoleic %	Linolenic %	Character	
						mg/sd	sds/lb				Palmitic %	Stearic %	Stearic %	Oleic %				
<b>#IA1026</b>	59.3	2	9/9	1.6	29	155	2930	35.6	18.7	3.3	10.1	4.9	14.9	23.1	60.6	1.4	General use, SCN resistant, yellow hilum	
IA1022	58.1	3	9/9	2.1	33	148	3060	31.7	20.9	3.4	10.8	4.4	15.2	24.6	52.8	7.4	General use, SCN resistant, yellow hilum	
IA1008	53.5	7	9/9	2.0	39	164	2760	33.8	19.2	3.3	10.6	4.6	15.1	24.4	53.3	7.1	General use, SCN resistant, yellow hilum	
IA2069	52.3	10	9/9	1.4	29	160	2830	34.2	19.1	3.6	3.8	3.3	7.2	25.5	59.3	8.0	General use	
IA1025	54.4	6	9/10	1.9	37	170	2660	34.7	18.0	3.4	4.0	3.7	7.7	27.2	56.9	8.2	General use	
IA1024	49.9	13	9/10	2.2	33	158	2870	34.2	19.1	3.6	3.8	3.4	7.1	26.8	58.6	7.4	General use	
IA2092	52.9	8	9/11	1.6	33	155	2930	33.8	19.1	4.0	3.9	3.7	7.6	30.4	55.1	7.0	General use	
<b>#IAR1901 BSR</b>	54.5	5	9/12	1.8	34	143	3170	33.8	19.4	3.6	9.4	4.7	14.2	24.7	54.0	7.1	General use, BSR resistant	
IA2095	51.6	11	9/13	1.7	32	140	3230	34.0	18.5	4.0	3.9	3.8	7.7	28.2	56.3	7.8	General use	
IA2096	51.5	12	9/13	2.0	35	136	3330	34.3	19.2	3.9	11.0	5.1	16.1	24.4	58.1	1.3	General use	
IA2079	52.6	9	9/15	1.8	33	154	2940	34.4	19.1	3.2	10.3	5.3	15.6	25.3	57.8	1.2	General use	
IA2102	62.8	1	9/17	2.8	37	157	2890	34.5	18.9	2.9	10.5	4.9	15.3	22.3	54.2	8.1	General use, yellow hilum	
IA2105	54.9	4	9/17	1.7	36	151	3000	33.9	18.6	2.8	10.5	4.7	15.2	23.2	53.7	7.9	General use, yellow hilum	
IA1010	48.3	2	9/8	1.7	32	247	1840	35.1	18.8	3.1							Large seed	
IA2076	51.9	1	9/9	2.3	33	239	1900	34.8	19.1	3.4								Large seed
IA1018	47.1	5	9/10	2.0	35	177	2570	36.7	18.5	3.4								High protein, large seed
IA2067	45.4	6	9/10	2.0	38	208	2180	37.5	18.5	3.1								High protein, large seed
IA2104	50.6	2	9/14	1.8	32	203	2240	36.4	18.6	3.6								High protein, large seed
IA2046	49.2	3	9/14	2.0	32	233	1950	36.3	18.5	3.7								High protein, large seed
IA2103	52.2	1	9/16	1.9	35	219	2070	36.7	18.2	3.2								High protein, large seed
IA2053	48.3	4	9/18	2.1	36	207	2190	37.5	18.0	3.6								High protein, large seed
IA1010LF	48.8	3	9/8	1.7	33	247	1840	35.3	18.8	3.1								Lipoxygenase free
IA1008LF	53.4	1	9/10	1.9	39	168	2700	34.4	19.2	3.9								Lipoxygenase free, SCN resistant
IA2053LF	49.1	2	9/15	2.2	36	199	2280	37.2	18.1	2.9								Lipoxygenase free

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**2012 Elite Soybean Test Central, Iowa State University  
Ames, Carlisle, Eldora, and Rippey, Iowa**

Entry	Yield bu/a	Group rank	Maturity date	Lodging score	Height inches	Seed weight mg/sd	sds/lb	Protein %	Oil %	Chlorosis score	Palmitic +					Character	
											Palmitic %	Stearic %	Stearic %	Oleic %	Linoleic %		Linolenic %
IA1022	51.3	4	9/6	2.4	35	150	3020	32.1	21.0	3.3	11.1	5.0	16.1	26.4	50.5	7.0	General use, SCN resistant, yellow hilum
<b>#IA1026</b>	48.8	11	9/6	1.8	28	152	2990	36.1	18.9	3.8	10.1	5.7	15.7	24.4	58.6	1.3	General use, SCN resistant, yellow hilum
IA1008	48.6	12	9/6	2.8	40	163	2780	34.0	19.3	3.8	10.9	5.2	16.1	25.6	51.2	7.1	General use, SCN resistant, yellow hilum
IA2079	46.7	15	9/8	1.9	31	156	2900	34.6	19.8	3.5	11.3	6.2	17.5	27.5	53.7	1.3	General use
IA2105	50.0	8	9/9	1.8	34	155	2930	33.9	18.8	2.8	10.7	5.2	15.9	24.7	52.3	7.1	General use, yellow hilum
IA2102	57.5	1	9/11	3.2	37	164	2770	34.5	19.3	3.3	11.0	5.7	16.7	23.9	51.7	7.7	General use, yellow hilum
IA3042	51.3	4	9/12	2.0	30	143	3170	34.7	19.4	3.8	10.6	6.1	16.7	26.0	55.6	1.6	General use
IA2097	48.2	13	9/12	1.9	35	146	3110	34.5	19.2	4.3	9.7	5.8	15.5	25.7	57.2	1.6	General use
IA2099	47.5	14	9/12	1.7	32	158	2860	34.0	18.6	4.0	4.1	4.6	8.7	30.8	53.2	7.3	General use
IA2100	52.2	3	9/13	2.0	35	137	3310	34.1	19.3	3.9	3.8	4.1	7.8	27.3	57.8	7.0	General use
IA2101	51.2	6	9/13	1.8	37	175	2590	34.0	18.8	3.4	10.3	6.0	16.3	29.1	53.2	1.4	General use
IA3052	49.8	9	9/17	2.1	34	144	3160	34.0	19.4	3.6	9.8	5.5	15.3	26.9	51.0	6.8	General use, yellow hilum
IA3049	49.8	9	9/17	2.4	36	176	2570	34.5	19.2	4.4	3.8	4.5	8.3	30.2	54.5	7.1	General use
IA3050	50.8	7	9/18	2.0	36	163	2780	34.8	19.1	4.1	10.4	6.2	16.6	28.6	53.2	1.6	General use
IA3024	52.8	2	9/19	2.5	39	163	2790	32.9	19.8	3.9	10.4	5.8	16.1	28.0	54.6	1.2	General use
IA2076	43.9		9/9	2.5	32	235	1930	34.7	19.1	3.4							Large seed
IA2046	47.0	9	9/10	2.0	31	233	1950	36.6	18.6	3.9							High protein, large seed
IA2104	46.1	10	9/10	1.8	31	208	2180	36.8	18.7	3.7							High protein, large seed
IA2041	44.5	12	9/10	2.2	36	188	2410	37.6	18.6	3.4							High protein, large seed
IA2053	48.5	8	9/11	2.3	34	206	2200	37.7	18.2	3.6							High protein, large seed
IA2074	44.7	11	9/11	1.8	32	200	2270	37.7	18.0	3.8							High protein, large seed
IA2067	44.1	13	9/11	2.0	38	223	2030	38.1	18.5	3.6							High protein, large seed
IA3051	51.3	2	9/12	2.0	34	195	2330	38.2	17.9	3.5							High protein, large seed
IA2103	48.9	5	9/12	2.1	34	220	2060	37.0	18.4	3.4							High protein, large seed
IA3047	48.6	6	9/12	2.4	37	202	2250	36.9	18.3	3.6							High protein, large seed
IA3027	52.6	1	9/13	2.1	34	205	2210	36.9	17.9	2.9							High protein, large seed
IA3027RA12	48.6	6	9/15	1.9	34	211	2150	37.3	18.0	2.5							High protein, large seed, aphid resistant
IA3027RA1	50.5	4	9/16	2.0	34	201	2260	37.2	17.7	2.8							High protein, large seed, aphid resistant
IA3045	50.6	3	9/17	2.4	39	202	2240	37.4	18.1	3.3							High protein, large seed
IA1008LF	49.7	2	9/7	2.3	39	166	2730	34.7	19.2	4.1							Lipoxygenase free, SCN resistant
IA2076LF	48.4	5	9/8	2.4	35	242	1880	35.4	18.9	3.3							Lipoxygenase free
IA2053LF	49.2	3	9/10	2.3	35	204	2220	37.5	18.4	3.0							Lipoxygenase free
IA3027LF	48.7	4	9/13	2.0	35	210	2160	37.0	17.9	2.8							Lipoxygenase free
<b>#IA3045LF</b>	50.0	1	9/15	2.5	39	201	2260	37.5	18.2	3.1							Lipoxygenase free

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												Stearic %	Oleic %	Linoleic %			
IA1008	53.5	13	9/11	2.5	40	162	2810	33.8	19.3	3.3	10.9	4.7	15.6	24.2	52.9	7.4	General use, SCN resistant, yellow hilum
IA1022	56.6	7	9/12	2.1	34	148	3070	31.8	21.0	3.4	11.1	4.5	15.6	24.7	52.2	7.5	General use, SCN resistant, yellow hilum
IA2079	53.3	14	9/15	1.8	33	153	2960	34.4	19.3	3.2	10.9	5.5	16.4	26.2	56.2	1.2	General use
IA2105	59.1	2	9/17	1.8	36	155	2940	33.8	18.7	2.8	10.7	4.7	15.3	23.2	53.8	7.6	General use, yellow hilum
IA2102	63.8	1	9/19	2.9	38	162	2790	34.4	19.1	2.9	10.9	5.0	15.9	21.9	53.9	8.3	General use, yellow hilum
IA2097	54.0	12	9/19	1.9	36	144	3140	34.3	18.9	3.8	9.8	5.3	15.1	24.7	58.8	1.4	General use
IA3042	55.8	8	9/20	1.9	33	143	3180	34.7	18.9	3.9	10.7	5.5	16.2	24.4	57.9	1.5	General use
IA2099	54.5	11	9/20	1.8	34	156	2900	33.4	18.8	3.7	3.9	4.0	7.9	28.4	55.9	7.8	General use
IA2101	57.2	4	9/21	1.9	38	169	2690	33.8	18.6	3.3	10.1	5.2	15.4	27.0	56.3	1.4	General use
IA2100	57.1	5	9/21	2.1	36	137	3310	33.6	19.2	3.4	3.7	3.6	7.3	25.8	59.4	7.5	General use
IA3050	57.7	3	9/24	1.8	36	160	2830	34.7	18.7	3.6	10.5	5.4	15.9	26.9	55.8	1.4	General use
IA3024	57.0	6	9/24	2.2	38	159	2860	32.7	19.5	3.4	10.3	5.1	15.4	26.9	56.4	1.3	General use
IA3049	55.0	9	9/24	2.3	37	174	2600	34.3	18.9	4.1	3.7	4.0	7.6	28.0	56.8	7.6	General use
IA3052	55.0	9	9/24	2.2	36	142	3190	33.5	19.2	3.8	9.8	4.8	14.6	24.4	53.5	7.5	General use, yellow hilum
IA2076	50.6		9/12	2.1	32	240	1890	34.6	19.3	3.4							Large seed
IA2046	51.8	8	9/14	1.9	33	237	1920	36.6	18.5	3.7							High protein, large seed
IA2041	49.1	11	9/14	2.1	37	183	2480	37.5	18.6	3.3							High protein, large seed
IA2067	47.3	12	9/14	2.0	37	212	2140	37.6	18.7	3.1							High protein, large seed
IA2104	51.6	9	9/15	1.7	32	205	2210	36.8	18.6	3.6							High protein, large seed
IA2074	49.3	10	9/15	1.8	33	206	2200	37.7	18.0	3.4							High protein, large seed
IA2103	52.9	6	9/17	2.0	34	214	2120	36.8	18.4	3.2							High protein, large seed
IA2053	52.6	7	9/17	2.2	36	208	2180	37.6	18.1	3.6							High protein, large seed
IA3051	57.2	1	9/18	2.0	36	196	2320	38.0	17.8	3.3							High protein, large seed
IA3047	53.9	4	9/18	2.4	38	205	2210	36.8	18.2	3.3							High protein, large seed
IA3027	56.9	2	9/19	2.1	35	207	2190	37.1	17.8	2.7							High protein, large seed
IA3027RA1	55.1	3	9/23	2.0	36	201	2260	37.0	17.7	2.6							High protein, large seed, aphid resistant
IA3045	53.9	4	9/24	2.4	40	207	2200	37.7	17.7	2.8							High protein, large seed
IA1008LF	54.1	1	9/11	2.1	39	166	2730	34.4	19.3	3.9							Lipoxygenase free, SCN resistant
IA2053LF	53.0	3	9/15	2.3	36	203	2230	37.2	18.4	2.9							Lipoxygenase free
IA3027LF	53.4	2	9/20	2.1	35	209	2180	36.8	18.0	2.8							Lipoxygenase free

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**2012 Elite Soybean Test South, Iowa State University  
Ames, Agency, Carlisle, and Greenfield, Iowa**

Entry	Yield bu/a	Group rank	Maturity date	Lodging score	Height inches	Seed weight mg/sd	Seed weight sds/lb	Protein %	Oil %	Chlorosis score	Palmitic +					Character	
											Palmitic %	Stearic %	Stearic %	Oleic %	Linoleic %		Linolenic %
IA2100	50.4	9	9/14	2.3	31	147	3080	33.5	19.6	3.9	4.3	4.2	8.5	30.3	53.7	7.4	General use
IA2102	52.3	6	9/15	2.8	35	167	2710	33.6	19.9	3.3	11.7	5.6	17.3	25.0	49.9	7.9	General use, yellow hilum
IA2101	51.0	8	9/15	1.8	33	184	2460	34.0	18.9	3.4	10.5	5.8	16.3	30.0	52.2	1.6	General use
IA2099	46.8	11	9/15	1.7	30	167	2720	34.1	18.5	4.0	4.3	4.3	8.6	30.4	53.5	7.5	General use
IA2097	43.7	13	9/15	1.8	32	154	2940	34.3	19.3	4.3	10.4	6.2	16.6	27.7	54.2	1.4	General use
IA3042	43.5	14	9/15	1.8	27	147	3080	34.4	19.8	3.8	11.7	6.3	18.0	27.5	53.2	1.3	General use
IA3049	42.5	15	9/18	2.2	32	184	2470	34.6	19.3	4.4	3.9	4.7	8.6	33.1	51.1	7.1	General use
IA3052	53.0	3	9/19	2.3	33	156	2910	33.8	19.6	3.6	10.4	5.2	15.6	26.9	50.4	7.1	General use, yellow hilum
IA3024	52.1	7	9/20	2.3	35	169	2690	32.8	19.8	3.9	10.9	5.7	16.6	30.1	52.0	1.2	General use
IA3048	54.1	1	9/21	2.3	34	157	2890	33.4	19.4	4.0	11.0	5.1	16.0	28.5	48.6	6.8	General use, SCN resistant, yellow hilum
IA3050	50.4	9	9/21	1.8	32	174	2610	34.9	18.9	4.1	10.9	6.3	17.3	30.5	51.0	1.3	General use
IA3023	53.7	2	9/22	1.8	32	167	2720	32.2	20.1	3.4	11.1	5.4	16.5	28.3	48.7	6.5	General use
IA3044	46.6	12	9/22	1.9	31	182	2490	33.5	19.9	4.1	10.6	5.9	16.5	27.8	54.5	1.3	General use
IA4005	53.0	3	9/26	1.7	32	159	2860	33.9	19.1	3.6	10.4	6.2	16.6	27.5	54.7	1.3	General use
IA3043	52.6	5	9/27	2.6	42	167	2720	34.6	19.3	3.4	10.7	5.8	16.5	27.0	55.3	1.2	General use
IA2040	41.2		9/15	2.0	32	261	1740	36.1	18.4	3.2							Large seed
IA3051	50.9	1	9/14	1.8	33	195	2330	38.1	17.8	3.5							High protein, large seed
IA3027	45.1	4	9/14	2.0	31	205	2220	36.7	18.0	2.9							High protein, large seed
IA3047	44.8	5	9/15	2.3	34	210	2160	37.2	18.1	3.6							High protein, large seed
IA3027RA12	43.3	6	9/17	1.8	31	214	2120	36.7	18.2	2.5							High protein, large seed, aphid resistant
IA3027RA1	48.4	2	9/18	1.9	32	210	2170	37.3	17.8	2.8							High protein, large seed, aphid resistant
IA3045	47.4	3	9/18	2.3	35	200	2270	37.3	18.1	3.3							High protein, large seed
IA3027LF	47.0	1	9/17	2.2	32	209	2170	36.7	18.2	2.8							Lipoxygenase free
#IA3045LF	46.7	2	9/17	2.1	34	201	2250	37.7	18.1	3.1							Lipoxygenase free

**#New for 2013.**

Yield: Bushels/acre at 13% moisture  
Maturity: Month/Day  
Lodging: 1=Erect, 5= Prostrate

Protein and oil: 13%-moisture basis  
Iron-deficiency chlorosis score: 1=No chlorosis, 5=Severe chlorosis

For information about the test, contact Walter Fehr, Department of Agronomy, Iowa State University, Ames, IA 50011.  
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For information on licensing soybean cultivars developed by Iowa State University, contact:  
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**2011 - 2012 Elite Soybean Test South, Iowa State University  
Two-Year Means**

Entry	Yield bu/a	Group rank	Maturity date	Lodging score	Height inches	Seed weight		Protein %	Oil %	Chlorosis score	Palmitic +			Oleic %	Linoleic %	Linolenic %	Character
						mg/sd	sds/lb				Palmitic %	Stearic %	Stearic %				
IA3042	52.1	13	9/20	1.7	29	148	3060	34.8	19.3	3.9	11.3	5.6	17.0	26.0	55.7	1.3	General use
IA2097	51.5	15	9/20	1.8	34	152	2980	34.5	19.1	3.8	10.2	5.4	15.6	26.4	56.7	1.3	General use
IA2102	59.4	4	9/21	2.7	34	165	2750	34.1	19.6	2.9	11.2	5.0	16.2	23.6	52.1	8.1	General use, yellow hilum
IA2101	57.5	9	9/21	1.8	34	176	2580	34.1	18.7	3.3	10.3	5.2	15.5	28.1	55.0	1.4	General use
IA2099	56.7	10	9/21	1.7	30	166	2730	34.1	18.6	3.6	4.1	3.8	7.9	28.4	55.8	7.9	General use
IA2100	56.6	11	9/21	2.1	32	146	3100	33.6	19.4	3.4	4.0	3.7	7.7	27.5	57.2	7.6	General use
IA3049	51.8	14	9/24	2.1	33	181	2500	34.7	19.1	4.1	3.7	4.1	7.9	31.3	53.6	7.2	General use
IA3052	60.6	1	9/25	2.1	33	152	2980	33.9	19.3	3.8	10.2	4.6	14.8	25.2	52.6	7.5	General use, yellow hilum
IA3024	58.4	5	9/25	2.0	35	164	2760	32.9	19.6	3.4	10.7	5.1	15.8	28.7	54.3	1.2	General use
IA3050	58.1	6	9/26	1.8	32	169	2680	35.1	18.8	3.6	10.8	5.5	16.2	29.3	53.2	1.3	General use
IA3048	57.8	7	9/26	2.3	35	148	3070	33.7	19.1	3.8	10.6	4.4	15.0	26.4	51.5	7.2	General use, SCN resistant, yellow hilum
IA3044	54.0	12	9/27	1.8	33	176	2580	33.8	19.5	3.6	10.3	5.3	15.6	26.3	56.9	1.3	General use
IA3023	60.1	3	9/28	1.9	34	161	2820	32.3	19.9	3.3	10.6	4.8	15.4	26.5	51.4	6.7	General use
IA3043	57.6	8	10/1	2.4	41	159	2850	34.6	19.0	3.3	10.4	5.2	15.6	25.1	58.0	1.3	General use
IA4005	60.6	1	10/2	1.6	33	151	3000	33.8	19.0	3.2	10.2	5.5	15.8	25.6	57.4	1.2	General use
IA2040	48.2		9/17	1.8	31	255	1780	36.6	18.5	3.4							Large seed
IA3051	56.0	1	9/18	1.8	33	192	2360	38.2	17.8	3.3							High protein, large seed
IA3047	52.5	5	9/19	2.2	34	209	2180	37.4	18.1	3.3							High protein, large seed
IA3027	53.7	4	9/20	2.1	31	205	2210	37.3	17.8	2.7							High protein, large seed
IA3027RA1	55.8	2	9/23	1.9	32	204	2220	37.5	17.7	2.6							High protein, large seed, aphid resistant
IA3045	54.6	3	9/24	2.3	36	202	2240	37.5	17.9	2.8							High protein, large seed
IA3027LF	54.1		9/22	2.1	32	207	2190	36.9	18.1	2.8							Lipoxygenase free

Yield: Bushels/acre at 13% moisture

Protein and oil: 13%-moisture basis

Maturity: Month/Day

Iron-deficiency chlorosis score: 1=No chlorosis, 5=Severe chlorosis

Lodging: 1=Erect, 5= Prostrate

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**2012 IA3045RA12 Test, Iowa State University  
Ames, Agency, Carlisle, Greenfield, and Rippey, Iowa**

Entry	Yield	Maturity	Lodging	Seed weight		Protein	Character
	bu/a	date	score	mg/sd	sds/lb	%	
IA3027RA12	47.9	9/17	2.3	211	2150	36.2	Soybean aphid resistant
IA3045	50.8	9/16	2.7	197	2300	36.8	Soybean aphid susceptible
<b>#IA3045RA12</b>	50.7	9/17	2.6	195	2330	36.5	Soybean aphid resistant

**#Seed produced in 2012 is available for release to interested growers.**

Yield: Bushels/acre at 13% moisture

Lodging: 1=Erect, 5= Prostrate

Maturity: Month/Day

Protein: 13%-moisture basis

For information about the test, contact Walter Fehr, Department of Agronomy, Iowa State University, Ames, IA 50011.

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Average agronomic performance of IAR1901 BSR and selected lines evaluated under low SCN (Kanawha, IA) and high SCN (Mason City, IA) in 2008. Two replications of two-row plots were planted at each location.

Experimental line/cultivar	Maturity	Bu/a-1	Lodging score
<b>2008</b>			
<b>Kanawha, IA (Low SCN)</b>			
IAR1901 BSR	20	53.23	1.8
Parker	19	46.95	2.3
IA1021	16	43.34	1.5
BSR101	18	46.09	1.8
IA2052	23	44.04	2
LD02-4485	25	49.71	1.8
Average§	22.5	47.5	1.6
LSD(0.05)	2.04	9.26	0.46
CV	4.659	9.663	13.34
<b>Mason City, IA (Hi SCN)</b>			
IAR1901 BSR	24	54.73	1.5
Parker	23	43.57	2.5
IA1021	21	52.02	2
BSR101	25	45.89	1.5
IA2052	27	44.74	1.8
LD02-4485	29	67.43	2.3
Average§	26.3	51.8	1.7
LSD(0.05)	1.79	7.55	0.55
CV	3.378	7.215	15.558
<b>Average</b>			
IAR1901 BSR	23.5	53.98	1.6
Parker	22.5	45.26	2.4
IA1021	21	47.67	1.7
BSR101	24.5	45.99	1.6
IA2052	26.5	44.39	1.9
LD02-4485	29	58.57	2
Average§	26.3	49.6	1.72
LSD(0.05)	1.79	5.92	0.36
CV	3.378	8.482	14.777

†Days after August 30th.

‡1 = All plants erect, 5 = All plants prostrate  
§Average includes a total of 43 entries.

Average of agronomic performance of IAR1901 BSR and selected lines were evaluated in the Uniform Soybean Tests, Northern Region.

Cultivars	Bu/a	Yld Rank	Maturity Date†	Lodging score‡	Plant height inches
<b>2009</b>					
<i>36 entries including checks</i>					
# of locations	11	11	10	11	9
IAR1901 BSR	58.5	4	20	1.3	30
Sheyenne	48.5	35	12	1.2	27
MN1410	55.8	15	18	1.3	31
IA 1022	56.8	10	21	1.3	30
Average	54.59		19.7	1.39	31
Average of Checks	53.7		17	1.27	29.3
LSD(.05)	11.58		1.6	0.25	1.88
<b>2010</b>					
<i>18 entries including checks</i>					
# of locations	14	14	13	13	14
IAR1901 BSR	66.2	1	18	1.4	35
Sheyenne	52.5	18	8	1.3	31
MN1410	59.7	12	14	1.8	36
IA 1022	61.6	8	18	1.8	35
Average	59.71		15.6	1.51	35.1
Average of Checks	57.93		13.3	1.63	34
LSD(.05)	8.59		1.72	0.23	1.44
<b>2011</b>					
<i>7 entries including checks</i>					
# of locations	14	15	13	13	13
IAR1901 BSR	60.5	1	24	1.5	31
Sheyenne	47.8	7	13	1.6	30
MN1410	57.7	5	19	1.8	35
IA 1022	58.5	3	25	2	34
Average	56.79		20.7	1.7	33
Average of Checks	54.67		19	1.8	33
LSD(.05)	8.82		2	0.244	2.4

†Days after August 30th.

‡1 = All plants erect, 5 = All plants prostrate



Average seed size (weight), seed quality and seed composition of IAR1901 BSR and checks determined for Uniform Regional Tests, Northern Region. Locations were used as replications because only line averages were available per location (locations were used as reps for calculating LSD).

Experimental line and parents	Weight g 100 sd-1	Quality score†	Protein ----g kg-1----	Oil
<b>2009 36 entries including checks</b>				
IAR1901 BSR	16.6	1.58	35.5	17.6
MN1410	18.3	1.75	35.9	17.8
IA1022	16.8	1.92	34.1	18.9
Sheyenne	17.4	2.42	35.1	17.8
Average	17.77	1.82	34.85	17.89
Average of Checks	17.5	2.03	35	18.2
LSD(.05)	0.75	0.41	0.57	0.39
<b>2010 18 entries including checks</b>				
IAR1901 BSR	14.3	1.28	34.7	17.8
MN1410	15.4	1.56	35.1	18.4
IA1022	14.1	1.33	33.5	19.3
Sheyenne	15.7	1.74	34.2	18.7
Average	14.85	1.45	34.35	18.22
Average of Checks	15.1	1.54	34.3	18.8
LSD(.05)	0.52	0.42	0.64	0.44
<b>2011 7 entries including checks</b>				
IAR1901 BSR	14.6	1.84	33.8	18.3
MN1410	16.1	1.76	33.9	19.1
IA1022	14.7	1.82	31.2	19.6
Sheyenne	15.8	2.33	32.7	19.4
Average	14.92	1.94	33.06	18.86
Average of Checks	15.5	1.97	32.6	19.4
LSD(.05)	0.61	0.38	1.04	0.59

†Seed quality considers amount and degree of wrinkling, defective seed coat, greenishness, and moldy or rotten seed, 1 = Very good to 5 = Very poor

‡ Moisture percentage at the time seed composition was determined and values were adjusted to 13%.