

Table 1. 2010 Modified oil soybean test—south, Iowa State University Ames, Carlisle, Chariton, and Lewis, IA.

Entry	Yield bu/a ¹	Maturity date ²	Lodging score ³	Height in.	Seed weight		Protein % ⁴	Oil % ⁴	Palmitic +				Linoleic %	Linolenic %	Character
					mg/sd	sds/lb			Palmitic %	Stearic %	Stearic %	Oleic %			
IA3023	61.8	9/23	2.3	36	146	3100	34.1	19.3	10.3	3.7	14.0	23.4	55.9	6.7	Commodity check
IA3048	56.7	9/22	2.6	35	130	3480	35.8	18.0	10.2	3.5	13.7	23.8	55.5	6.9	SCN, yellow hilum
IA4004	56.6	9/27	3.0	39	153	2960	35.9	17.7	10.7	3.9	14.6	24.7	53.5	7.3	Commodity, yellow
IA2077	51.1	9/11	1.9	33	152	2990	36.4	18.4	10.4	4.1	14.4	27.5	56.9	1.2	1% linolenic
#IA2101	56.9	9/13	2.1	37	165	2750	36.3	18.0	10.1	4.2	14.3	28.9	55.5	1.3	1% linolenic
IA2097	55.7	9/13	2.5	35	143	3160	36.2	18.4	9.8	4.2	14.1	26.4	58.2	1.2	1% linolenic
IA2078	50.9	9/13	2.0	35	145	3120	37.1	18.5	11.2	4.5	15.6	25.6	57.6	1.2	1% linolenic
IA3042	54.6	9/14	2.1	33	141	3210	37.2	17.9	11.0	4.4	15.4	22.8	60.5	1.3	1% linolenic
IA3028	52.4	9/15	2.7	36	144	3150	36.7	17.6	10.4	4.3	14.7	23.8	60.2	1.4	1% linolenic, SCN res
#A08-252040	49.1	9/15	2.5	36	136	3330	36.5	18.3	11.1	4.2	15.3	23.2	60.2	1.3	1% linolenic, SCN res
#IA3050	59.3	9/16	1.6	33	154	2950	36.8	18.3	10.7	4.3	15.0	28.5	55.1	1.3	1% linolenic
IA3025	54.6	9/16	2.0	38	160	2830	36.4	18.4	10.1	4.4	14.6	29.5	54.6	1.2	1% linolenic
IA3024	61.8	9/17	2.4	37	152	2980	34.8	19.3	10.0	4.1	14.1	28.4	56.1	1.3	1% linolenic
IA3044	59.3	9/23	1.8	37	159	2850	36.1	18.6	10.1	4.4	14.5	26.1	58.1	1.3	1% linolenic
IA3041	56.3	9/23	2.4	37	150	3030	35.7	17.5	11.0	4.0	15.0	26.8	56.7	1.4	1% linolenic
#A08-351023	59.9	9/26	1.7	35	148	3060	36.4	18.0	9.7	4.3	14.0	25.0	59.5	1.3	1% linolenic
IA3043	57.3	9/28	2.4	42	151	3000	36.7	18.3	10.2	4.6	14.8	24.3	59.6	1.3	1% linolenic
IA4005	61.4	9/30	1.7	38	142	3200	35.4	18.3	10.1	4.6	14.6	24.8	59.2	1.3	1% linolenic
IA3018	59.8	9/22	2.9	38	149	3050	34.9	19.3	10.2	3.9	14.1	23.4	59.8	2.7	2.5% linolenic
IA2100	56.3	9/14	2.2	34	139	3270	35.2	18.9	3.5	2.8	6.3	27.2	59.5	7.0	Low saturates
IA3049	57.6	9/15	2.8	36	169	2680	35.8	19.3	3.5	2.9	6.4	31.4	55.4	6.7	Low saturates
ZFS 291	52.6	9/15	2.2	36	153	2960	35.6	19.4	4.0	3.0	7.0	27.4	59.0	6.6	Low saturates
IA3026	55.5	9/19	3.0	40	128	3560	34.8	18.4	4.2	3.0	7.1	25.5	59.9	7.5	Low saturates
IA3039	52.4	9/19	2.2	35	137	3310	37.4	17.5	8.4	4.5	12.9	54.0	31.9	1.1	Mid oleic
IA3036	51.7	9/20	2.2	38	139	3270	36.5	17.3	8.1	4.3	12.4	56.8	29.6	1.2	Mid oleic

¹Yield: bushels/acre at 13% moisture.²Maturity: month/day.³Lodging: 1=erect, 5= prostrate.⁴Protein and oil: 13%-moisture basis.

#Released in November 2010.