

Table 1. 2008 Modified Oil Soybean Test—South, Ames, Carlisle, Lewis, Osceola, and Ottumwa, IA.

Entry	Yield bu/a ¹	Maturity date ²	Lodging score ³	Height in.	Seed weight mg/sd	sds/lb	Protein % ⁴	Oil % ⁴	Palmitic %	Stearic %	Palmitic +		Linoleic %	Linolenic %	Character
											Stearic %	Oleic %			
IA3023	48.1	9/30	2.3	31	145	3120	32.4	19.4	10.5	3.9	14.4	22.4	55.9	7.3	Commodity
check															
IA2072	45.0	9/19	2.3	28	135	3360	34.8	18.1	10.4	4.8	15.2	23.6	59.9	1.3	1% linolenic
IA2077	46.2	9/21	2.1	28	147	3080	35.3	17.8	10.4	4.6	15.0	24.8	58.9	1.2	1% linolenic
IA2078	47.9	9/22	2.1	31	143	3160	35.5	18.2	11.3	4.8	16.0	22.7	60.0	1.3	1% linolenic
#IA2097	47.1	9/24	2.5	31	142	3200	34.5	18.3	10.3	4.7	15.1	23.3	60.3	1.3	1% linolenic
IA3028	45.6	9/25	2.9	31	152	2990	34.6	18.4	10.6	4.8	15.4	22.8	60.4	1.3	1% linolenic,
SCN res															
IA3024	53.6	9/26	2.3	31	158	2860	32.8	19.1	10.7	4.6	15.3	25.6	57.8	1.2	1% linolenic
IA3025	51.7	9/26	2.2	33	160	2830	34.9	18.4	10.5	4.8	15.3	26.2	57.2	1.2	1% linolenic
#IA3041	51.8	10/3	2.6	34	165	2750	34.0	18.0	11.2	4.5	15.7	24.4	58.6	1.4	1% linolenic
IA2065	44.4	9/20	2.2	27	137	3310	34.0	20.1	9.9	4.9	14.8	24.6	58.0	2.6	2.5% linolenic
IA3018	49.4	10/1	2.8	34	155	2920	32.4	19.9	10.3	4.1	14.4	23.1	59.8	2.7	2.5% linolenic
IA3039 - 4	40.8	9/21	2.0	28	134	3400	36.6	17.5	8.6	5.5	14.1	49.1	35.5	1.3	Mid oleic
IA3036 - 5	38.8	9/24	2.7	32	130	3490	35.3	17.4	8.5	4.6	13.2	49.7	35.8	1.3	Mid oleic
IA3036 - 3	42.2	9/26	1.9	33	140	3240	35.0	17.2	8.4	4.7	13.1	53.1	32.5	1.2	Mid oleic
IA3039	43.1	9/27	2.4	31	137	3310	35.9	17.5	8.6	5.4	14.1	48.9	35.6	1.3	Mid oleic
IA3036	45.3	9/28	2.4	34	138	3300	34.6	17.9	8.6	4.8	13.4	49.7	35.7	1.2	Mid oleic
IA3036 - 4	40.2	10/2	2.3	35	143	3170	34.5	17.8	8.5	4.6	13.2	49.5	36.1	1.2	Mid oleic
#A06-817010	42.0	9/19	1.9	26	167	2720	35.4	18.8	3.9	3.4	7.3	26.7	58.5	7.6	Low saturates
IA2092	39.8	9/19	1.7	26	148	3060	35.3	18.7	4.1	3.4	7.5	28.7	56.6	7.1	Low saturates
IA3026	45.4	9/21	2.5	34	130	3490	33.6	18.4	4.2	3.4	7.6	26.2	58.3	8.0	Low saturates
#A06-817038	48.3	9/26	2.5	32	178	2550	34.5	19.0	3.9	3.5	7.4	27.3	57.5	7.8	Low saturates
#A06-915034	49.6	9/29	2.1	30	169	2680	34.7	18.4	4.1	3.5	7.6	26.2	58.7	7.5	Low saturates
#A06-817005	48.5	9/30	2.8	31	153	2960	34.1	18.7	4.1	3.5	7.5	21.8	62.3	8.4	Low saturates
#A06-915036	48.4	10/3	2.8	30	177	2560	36.1	17.8	4.0	3.7	7.7	24.4	59.6	8.2	Low saturates

¹Yield: Bushels/acre at 13% moisture²Maturity: Month/Day³Lodging: 1 = erect, 5 = prostrate⁴Protein and oil: 13%-moisture basis

Available for licensing from the Iowa State University Research Foundation for commercial planting in 2009. The experimental line designation of IA2097 was A06-815026, and IA3041 was A05-314011.