

Table 1. 2007 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 +					Linolenic %	Character	
								Palmitic %	Stearic %	Stearic %	Oleic %	Linoleic %			
IA3023	63.3	9/26	2.5	35	170	2680	34.5	19.3	10.6	4.0	14.5	25.2	54.1	6.2	Commodity check
IA2079	57.2	9/12	2.7	31	172	2640	36.1	19.2	11.1	4.7	15.8	26.9	56.1	1.2	1% linolenic
IA2077	54.9	9/14	2.1	30	171	2650	36.1	18.6	10.8	4.3	15.2	27.2	56.6	1.1	1% linolenic
IA2078	54.2	9/15	2.6	35	164	2770	36.5	18.8	11.4	4.7	16.1	24.9	57.8	1.3	1% linolenic
IA2073	52.0	9/15	2.7	28	159	2860	35.3	19.3	10.4	4.6	15.0	27.9	55.8	1.2	1% linolenic
IA2072	51.8	9/15	2.5	28	159	2860	35.8	19.2	10.6	4.6	15.2	28.0	55.6	1.2	1% linolenic
IA3028	48.4	9/19	3.6	36	153	2970	36.8	17.9	10.6	4.8	15.4	25.2	58.0	1.4	1% linolenic, SCN resistant
IA3024	59.5	9/21	2.8	35	171	2660	34.6	19.5	10.6	4.3	14.9	28.7	55.1	1.3	1% linolenic
IA3025	54.5	9/21	2.7	37	175	2600	35.9	18.7	10.5	4.8	15.3	28.6	54.9	1.2	1% linolenic
#IA3041	55.8	9/24	2.8	36	173	2620	36.4	17.5	11.1	4.5	15.6	29.0	54.1	1.3	1% linolenic
IA2065	53.8	9/16	2.9	31	162	2800	35.2	20.8	9.7	4.7	14.4	28.1	55.3	2.3	2.5% linolenic
IA3018	53.9	9/25	3.5	38	164	2770	34.8	19.6	10.3	4.1	14.3	27.0	56.3	2.4	2.5% linolenic
IA2089	43.7	9/10	2.7	30	152	2990	37.0	18.3	9.1	4.5	13.6	50.4	34.9	1.2	Mid oleic
IA2091	45.7	9/11	2.6	32	142	3190	36.6	17.7	8.9	4.3	13.2	53.1	32.5	1.3	Mid oleic
IA2090	45.1	9/12	2.8	30	155	2920	37.3	18.5	8.8	4.5	13.3	54.1	31.4	1.2	Mid oleic
IA2087	41.4	9/12	3.3	32	142	3190	36.6	18.2	8.8	4.2	13.1	54.8	30.9	1.2	Mid oleic
IA2088	50.9	9/14	3.0	30	162	2790	36.5	18.5	8.5	4.2	12.7	54.5	31.6	1.2	Mid oleic
IA3034	43.1	9/15	3.0	31	148	3070	36.9	17.6	9.1	4.7	13.8	52.2	32.8	1.2	Mid oleic
IA3035	41.2	9/15	2.4	29	155	2930	37.4	18.0	8.9	4.6	13.5	50.9	34.3	1.3	Mid oleic
IA3039	50.8	9/20	2.6	33	155	2920	38.0	17.6	8.9	4.7	13.7	52.0	33.2	1.2	Mid oleic
IA3037	46.1	9/21	2.7	32	131	3470	36.9	18.2	9.2	5.6	14.8	48.4	35.7	1.1	Mid oleic
IA3038	46.7	9/22	2.2	34	147	3080	36.8	18.0	9.3	4.5	13.8	51.2	33.8	1.2	Mid oleic
IA3040	45.5	9/22	3.0	36	141	3220	38.2	17.2	8.7	4.7	13.4	50.3	35.0	1.3	Mid oleic
IA3036	51.8	9/23	2.8	37	156	2910	36.8	17.5	8.7	4.5	13.2	53.5	32.1	1.2	Mid oleic
IA2069	50.2	9/12	2.1	28	184	2470	36.2	19.5	3.7	2.9	6.7	27.8	58.4	7.2	Low saturates
IA2075	47.5	9/12	3.2	36	143	3180	35.7	19.0	4.3	3.1	7.4	26.5	59.1	7.0	Low saturates
IA2092	54.8	9/14	2.1	31	175	2590	35.5	19.7	4.0	2.8	6.8	33.1	53.9	6.2	Low saturates
IA3026	49.8	9/16	3.4	38	144	3140	35.0	18.8	3.9	3.1	7.0	28.4	57.7	6.8	Low saturates

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

Available for licensing from the Iowa State University Research Foundation for commercial planting in 2008.

The experimental line designation of IA3041 was A05-314011.