

Table 1. Yield, percent linolenic, oil, and protein in high-linolenic and low-linolenic varieties planted at four seeding rates at two locations in Iowa during 2007 and 2008.

| | Yield | Linolenic | | Oil | | Protein | |
|----------------------------------|------------|-----------|--------|----------|--------|----------|--------|
| | (bu/acre)† | mainstem | branch | mainstem | branch | mainstem | branch |
| ----- % ----- | | | | | | | |
| <u>Location</u> | | | | | | | |
| Lewis | 54.5a | 3.1a | 3.4a | 18.9a | 19.2a | 35.1a | 33.8a |
| Crawfordsville | 48.7b | 2.6b | 3.3a | 19.0a | 19.0a | 35.5a | 34.8a |
| <u>Variety</u> | | | | | | | |
| High-linolenic | 53.3a | 3.9a | 4.5a | 19.0a | 19.0a | 35.4a | 34.4a |
| Low-linolenic | 50.0a | 1.7b | 2.2b | 18.9a | 19.1a | 35.2a | 34.3a |
| <u>Seeding rate (seeds/acre)</u> | | | | | | | |
| 75,000 | 49.9b | 2.8a | 3.2a | 19.1a | 19.1a | 35.0b | 34.7a |
| 125,000 | 52.0a | 2.8a | 3.4a | 19.0ab | 19.0a | 35.2b | 34.4a |
| 175,000 | 52.2a | 2.8a | 3.4a | 18.9b | 19.1a | 35.5a | 34.1b |
| 225,000 | 52.4a | 2.8a | 3.5a | 18.7c | 19.1a | 35.5a | 34.2b |

†Letters followed by the same letter are not statistically different at P = 0.05.