

This report provides information on performance of non-GMO soybean varieties grown under certified organic management in 2018. This research is funded by Organic Farmers of Michigan.

## Testing Procedures

Three trial locations are reported in this publication. A total of 41 soybean varieties were entered by eight seed companies and two universities. The cooperators, planting dates, harvest dates and other site details for each location are listed below.

Seed was planted in 2-row plots, 26 feet long with 30 -inch row spacing at a depth of 1.5 inches. The planting rate was 180,000 seeds/Acre. At each location, varieties were replicated four times in a lattice design. The plots were trimmed to a length of 20 feet and both rows were harvested. Experimental design, data management and data analysis were conducted with AGROBASE Generation II software (Agronomix Soft- ware, Inc., Winnipeg, Canada).

## Using the data

Yield: Expressed as bushels per acre (Bu/A) at 13 percent moisture and is reported as single and across site means for 2018.
Height: Plant height, reported in inches, was measured at maturity from the soil surface to the tip of the main stem. The reported values are means of all replications at the Tuscola and Isabella sites.
Protein and oil content: Protein and oil content of the seed was determined using near-infrared reflectance and is expressed on a dry basis. (These reports prior to 2017 used 13 percent basis).

## Test site information Isabella County

Nearest city: Rosebush
Soil type: Ithaca Loam
Planting Date: June 13
Cooperator: Matt Graham
Previous crop: Corn
Harvest Date: November 21

## Tuscola County

Nearest city: Unionville Soil type: Tappan-Londo Loam

Cooperator: Dave Sting
Previous crop: Corn
Tillage: Fall plowed, spring field cultivate
Planting Date: May 28
Harvest Date: October 22

## Kalamazoo County

Nearest city: Hickory Corners
Soil type: Sandy loam
Tillage: Chisel plow, field cultivate
Planting Date: June 7
Harvest Date: October 19



Planting soybean plots in Kalamazoo Co, June 7.


Tuscola County organic soybean variety trial, September 8.

## Growing conditions/comments

Isabella: Wet conditions delayed planting a little and, to a greater degree, harvest.
Tuscola: Conditions were near average.
Kalamazoo: Conditions were near average.

## Selecting a variety

Least Significant Difference (LSD) values are useful when comparing two varieties in the same table. If the difference between two varieties is less than the LSD value, this difference is probably due to chance or minor environmental differences. However, if the difference between two varieties is greater than the LSD, there is a 95 percent or greater probability that the difference in performance is due to the greater yield potential of one variety. Valid comparisons can only be made between averages in the same column. The C.V. is indicative of the trial precision. Lower C.V. values


Harvesting the Kalamazoo site, October 19. indicate more precise trials.

The primary consideration in selecting a variety is yield. When evaluating a variety, consider yield performance over locations and across several years, if available. Considerations other than yield are also important in selecting a variety. It is especially important to select a variety that will mature before the first frost in the fall.

Growers should note seed size when selecting planting rates. Planting rates should be based on number of seeds per acre and not on pounds per acre. It often benefits growers to select a few good varieties for planting each year. Yield determination and careful field evaluation during the growing season will add to the grower's knowledge of variety performance and allow for better selection.

## Seed Sources

## Albert Lea Seed

Bun Hinueber
1414 W. Main P.O. Box 127
Albert Lea, MN 56007
800-352-5247

## Blue River Hybrids

Stuart Grim
2326 230th St
Ames, IA 50014
800-370-7979
Cooperative Elevator Company
Gary Fritz
1075 S. Colling Rd
Bancroft, MI 48723
989-673-6402
D.F. Seeds Inc.

Chris Varner/John Dieh
905 S. Jackson Rd. P.O. Box 159
Dansvill, MI 48819
517-623-6161

Michigan State University
Dechen Wang
A384-E Plant and Soil Science Bldg. 1066 Bogue Street
East Lansing, MI 48824-1325
517-355-0271 Ext. 188

DKB Farm \& Services
Charlie Brockriede 4945 Marathon Road Columbiaville, MI 48421
810-627-8477

## LG Seeds

Dennis Steinbauer 9915 W M-21
Ovid, MI 48866
800-544-6310
Pioneer
Chris Creguer 2549 W Ackerman Rd Unionville, MI 48767 989 670-1485

## SunOpta

Emily Shettler 10407 Scribner Rd Bancroft, MI 48414 989-721-7857

Univeristy of Minnesota/ MN Crop Improvement
Roger Wippler 1900 Hendon Ave

St. Paul, MN 55108 612-625-7766


Organic Farmers of Michigan

# MICHIGAN STATE <br> U N I V E R S I T Y <br> <br> Extension 

 <br> <br> Extension}

## 2018 Michigan Organic Soybean Variety Trial Results

| Brand/ Source | Variety | M aturity Color |  | Bushels per Acre |  |  |  | $\begin{gathered} \text { \% } \\ \text { Oil } \end{gathered}$ | $\begin{gathered} \% \\ \text { Protein } \end{gathered}$ | Height | DAP * | Seeds per lb. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Isabella | Kalamazoo | Tuscola | Average |  |  | Inches ${ }^{+}$ |  |  |
| Albert Lea | Viking 0.1518N | 1.5 | Black | 42.9 | 39.8 | 53.9 | 45.5 | 20.5 | 40.9 | 32 | 110 | 3004 |
| Albert Lea | Viking 0.1955 AT | 1.9 | Yellow | 46.0 | 49.7 | 67.2 | 54.3 | 21.3 | 41.5 | 34 | 117 | 2362 |
| Albert Lea | Viking 0.2188AT 12 N | 2.4 | Yellow | 53.4 | 50.7 | 71.4 | 58.5 | 20.1 | 41.8 | 33 | 118 | 2362 |
| Albert Lea | Viking 0.2299N | 2.3 | Yellow | 45.9 | 54.9 | 73.9 | 58.2 | 20.7 | 40.8 | 34 | 115 | 2362 |
| Albert Lea | Viking 0.2518 N | 2.5 | Black | 55.2 | 57.3 | 65.8 | 59.4 | 21 | 42 | 35 | 117 | 2465 |
| Blue River Organic Seed | 18C7 | 1.8 | Dark | 53.4 | 48.3 | 66.7 | 56.1 | 22 | 39.7 | 34 | 112 | 2100 |
| Blue River Organic Seed | 20FC6 | 2.0 | Yellow | 50.5 | 44.1 | 55.4 | 50.0 | 21.3 | 39.9 | 30 | 115 | 2326 |
| Blue River Organic Seed | 21 F 3 | 2.6 | Yellow | 37.7 | 42.7 | 60.7 | 47.0 | 19.8 | 44.2 | 33 | 117 | 2400 |
| Blue River Organic Seed | 22DC6 | 2.2 | Dark | 60.4 | 52.5 | 64.1 | 59.0 | 20 | 41.4 | 35 | 120 | 2622 |
| Blue River Organic Seed | 26FO | 2.6 | Yellow | 45.0 | 53.6 | 72.0 | 56.9 | 20.3 | 42.8 | 37 | 121 | 1955 |
| Cooperative Elevator Co. | DH 410 | 1.6 | Clear | 39.3 | 36.1 | 48.9 | 41.4 | 21.2 | 44.3 | 33 | 110 | 2592 |
| Cooperative Elevator Co. | DH 530 | 1.6 | Clear | 40.4 | 38.4 | 48.6 | 42.4 | 22.4 | 39.1 | 34 | 113 | 2492 |
| DF Seeds, LLC | DF 155 F | 2.5 | Clear | 47.4 | 51.6 | 69.6 | 56.2 | 20.3 | 42.9 | 35 | 121 | 1930 |
| DF Seeds, LLC | DF 187 N | 1.8 | Clear | 50.2 | 43.9 | 61.3 | 51.8 | 20.4 | 42.4 | 33 | 121 | 2302 |
| DKB Farms | Vinton 81 | 1.9 | Clear | 36.7 | 35.4 | 60.2 | 44.1 | 19.5 | 46.3 | 40 | 111 | 1718 |
| LG Seeds | C2300 | 2.3 | Brown | 59.9 | 54.8 | 71.3 | 62.0 | 19.9 | 41.1 | 36 | 119 | 2800 |
| Michigan State University | E07051 | 2.2 | Dark Brown | 53.2 | 49.0 | 66.3 | 56.1 | 21.1 | 41.2 | 33 | 118 | 2034 |
| M ichigan State University | E07130-T | 2.3 | Yellow | 38.8 | 38.2 | 50.2 | 42.4 | 19.1 | 47.3 | 38 | 116 | 1705 |
| M ichigan State University | E07158-T | 2.3 | Yellow | 40.3 | 39.8 | 54.1 | 44.7 | 19.3 | 47.7 | 36 | 114 | 1655 |
| M ichigan State University | E10174 | 2.7 | Yellow | 50.2 | 55.8 | 71.8 | 59.2 | 21.4 | 39.6 | 38 | 122 | 1981 |
| Michigan State University | E11128T | 2.6 | Yellow | 46.7 | 46.9 | 67.1 | 53.5 | 19.4 | 44.9 | 33 | 121 | 1914 |
| M ichigan State University | E12076T | 2.9 | Yellow | 46.6 | 53.2 | 72.6 | 57.4 | 20.6 | 40.1 | 38 | 128 | 2439 |
| Michigan State University | E13036T | 2.4 | Yellow | 41.0 | 48.7 | 62.5 | 50.7 | 19.9 | 41.5 | 33 | 120 | 2043 |
| M ichigan State University | E13100 | 2.5 | Yellow | 54.0 | 46.0 | 68.1 | 56.0 | 21 | 40.7 | 38 | 119 | 1998 |
| M ichigan State University | E13268 | 1.7 | Black | 50.7 | 45.9 | 61.4 | 52.7 | 20.9 | 40 | 32 | 112 | 2577 |
| M ichigan State University | E13367 | 2.2 | Brown | 54.2 | 50.9 | 69.8 | 58.3 | 20.6 | 39.5 | 33 | 117 | 2548 |
| Michigan State University | E13369 | 1.6 | Brown | 52.3 | 45.9 | 59.7 | 52.6 | 20.6 | 41.2 | 36 | 113 | 2800 |
| Michigan State University | E13370 | 2.2 | Black | 48.6 | 50.5 | 64.3 | 54.4 | 20.3 | 40.9 | 33 | 121 | 2607 |
| Michigan State University | E13902 | 2.5 | Dark Buff | 58.0 | 56.2 | 67.3 | 60.5 | 20.2 | 40.6 | 34 | 121 | 2279 |
| M ichigan State University | E14077 | 2.4 | Imp. Black | 58.4 | 53.5 | 66.5 | 59.4 | 21 | 39.3 | 36 | 119 | 2452 |
| M ichigan State University | E15079T | 2.2 | Yellow | 36.2 | 44.4 | 63.3 | 48.0 | 19.8 | 44.1 | 37 | 116 | 1955 |
| M ichigan State University | E15165T | 1.9 | Yellow | 44.1 | 49.1 | 64.4 | 52.5 | 20.3 | 41.3 | 35 | 119 | 1822 |
| Michigan State University | E15346T | 2.5 | Yellow | 32.7 | 49.2 | 67.4 | 49.8 | 21 | 40.9 | 33 | 118 | 2279 |
| Pioneer | P21A20 | 2.1 | Clear | 51.4 | 46.4 | 60.8 | 52.9 | 20.1 | 43 | 32 | 115 | 2302 |
| SunOpta | SR 129 | 1.8 | Yellow | 46.2 | 39.6 | 59.3 | 48.4 | 20.4 | 43.3 | 33 | 110 | 2062 |
| SunOpta | SR20 | 2.0 | Yellow | 44.8 | 41.3 | 50.1 | 45.4 | 20.3 | 43.7 | 36 | 112 | 1989 |
| SunOpta | SR354 | 2.2 | Yellow | 57.4 | 48.4 | 60.5 | 55.4 | 19.7 | 44.7 | 33 | 120 | 2130 |
| U of M innesota | M 07-297007 | 1.7 | Black | 34.9 | 43.9 | 60.6 | 46.4 | 20.7 | 43.9 | 35 | 112 | 2766 |
| U of Minnesota | M 08-365100 | 1.5 | Grey | 45.7 | 46.7 | 55.7 | 49.3 | 22.1 | 39.7 | 31 | 112 | 2350 |
| U of Minnesota | M 08-369100W | 1.7 | Yellow | 38.4 | 44.4 | 56.5 | 46.4 | 21.1 | 40.5 | 34 | 119 | 4124 |
| U of Minnesota | M 10-237102 | 1.8 | Imp. Black | 34.1 | 39.5 | 48.4 | 40.7 | 22.6 | 44 | 34 | 112 | 3385 |
| *M aturity: Days After Plant | ing, Kalamazoo |  | AND MEAN | 46.9 | 47.0 | 62.4 | 52.1 | 20.6 | 42.1 |  |  |  |
| +Average of Is abella and T | uscola |  | Max. M ean | 60.4 | 57.3 | 73.9 | 62.0 | 22.6 | 47.7 |  |  |  |
|  |  |  | Min. M ean | 32.7 | 35.4 | 48.4 | 40.7 | 19.1 | 39.1 |  |  |  |
|  |  |  | LSD | 8.4 | 8.1 | 11.1 | 5.3 | 0.5 | 1.0 |  |  |  |
|  |  |  | CV | 10.7 | 10.3 | 10.7 | 10.7 | 1.3 | 1.4 |  |  |  |

## Multiple year Michigan Organic Soybean Variety Trial Results - Revised 4/12/19

Multiple Year Averages ( $2 \mathrm{yr}=2017-2018,3 \mathrm{yr}=2016-2018,4 \mathrm{yr}=2015-2018,5 \mathrm{yr}=2014-2018,6 \mathrm{yr}=2013-2018,7 \mathrm{yr}=2012-2018$ )

|  |  | Kalamazoo Bu/A |  |  |  |  |  | Tuscola Bu/A |  |  |  |  |  | Average Bu/ ${ }^{\text {a }}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Source | Variety | 2 yr | 3 yr | 4 yr | 5 yr | 6 yr | 7 yr | 2 yr | 3 yr | 4 yr | 5 yr | 6 yr | 7 yr | 2 yr | 3 yr | 4 yr | 5 yr | 6 yr | 7 yr |
| Albert Lea | Viking 0.2188AT12N | 52.4 | 57.7 | - | - | - | - | 65.2 | 67.2 | - | - | - | - | 58.8 | 62.4 | - | - | - | - |
| Blue River | 18C7 | 48.0 | 49.8 | - | - | - | - | 58.2 | 63.1 | - | - | - | - | 53.1 | 56.4 | - | - | - | - |
| Blue River | 20FC6 | 44.4 | 46.6 | - | - | - | - | 53.1 | 56.5 | - | - | - | - | 48.7 | 51.6 | - | - | - | - |
| Blue River | 21F3 | 44.4 | 49.4 | 49.4 | 48.7 | 50.1 | - | 53.4 | 55.6 | 58.2 | 57.2 | 53.7 | - | 48.9 | 52.5 | 53.8 | 52.9 | 51.9 | - |
| Blue River | 22DC6 | 53.1 | 56.8 | 57.2 | - | - | - | 59.6 | 63.2 | 66.1 | - | - | - | 56.4 | 60.0 | 61.6 | - | - | - |
| Blue River | 26FO | 51.9 | - | - | - | - | - | 60.9 | - | - | - | - | - | 56.4 | - | - | - | - | - |
| CoElevator Co. | DH 410 | 38.4 | 44.8 | 43.8 | 41.7 | 44.4 | 43.6 | 49.9 | 50.2 | 53.2 | 52.7 | 49.3 | 50.5 | 44.2 | 47.5 | 48.5 | 47.2 | 46.8 | 47.0 |
| CoElevator Co. | DH 530 | 41.8 | 46.9 | 45.6 | 44.8 | 47.3 | 44.1 | 46.8 | 44.3 | 48.3 | 49.1 | 44.9 | 46.5 | 44.3 | 45.6 | 47.0 | 46.9 | 46.1 | 45.3 |
| DF Seeds, LLC | DF 155 F | 51.0 | 54.4 | 54.2 | 53.3 | 55.1 | 52.7 | 59.3 | 59.5 | 61.4 | 60.1 | 55.3 | 54.4 | 55.1 | 56.9 | 57.8 | 56.7 | 55.2 | 53.6 |
| DF Seeds, LLC | DF 187 N | 43.8 | - | - | - | - | - | 54.3 | - | - | - | - | - | 49.0 | - | - | - | - | - |
| DKB Farms | Vinton 81 | 37.9 | 41.5 | 41.3 | 40.8 | 42.7 | 41.3 | 50.7 | 50.0 | 50.0 | 49.7 | 46.5 | 47.1 | 44.3 | 45.7 | 45.7 | 45.3 | 44.6 | 44.2 |
| MSU | E07051 | 50.5 | 54.8 | 53.9 | - | - | - | 57.7 | 61.2 | 62.1 | - | - | - | 54.1 | 58.0 | 58.0 | - | - | - |
| MSU | E07130-T | 40.8 | 45.8 | 45.3 | 44.5 | 46.3 | 45.1 | 47.5 | 49.9 | 51.3 | 50.0 | 47.3 | 48.2 | 44.1 | 47.8 | 48.3 | 47.3 | 46.8 | 46.7 |
| MSU | E07158-T | 41.1 | 44.8 | 45.0 | 44.4 | 45.0 | 41.9 | 48.7 | 49.2 | 51.0 | 50.0 | 46.4 | 48.0 | 44.9 | 47.0 | 48.0 | 47.2 | 45.7 | 45.0 |
| MSU | E10174 | 52.9 | 58.1 | 56.5 | 55.2 | 57.2 | 55.5 | 62.9 | 67.4 | 66.4 | 64.0 | 60.6 | 61.4 | 57.9 | 62.7 | 61.4 | 59.6 | 58.9 | 58.4 |
| MSU | E11128T | 47.8 | 51.1 | 50.7 | 49.0 | - | - | 59.0 | 63.2 | 61.5 | 60.1 | - | - | 53.4 | 57.1 | 56.1 | 54.5 | - | - |
| MSU | E12076T | 53.3 | 59.1 |  | - | - | - | 63.5 | 58.3 | - | - | - | - | 58.4 | 58.7 | - | - | - | - |
| MSU | E13036T | 50.0 | 54.3 | 51.7 | - | - | - | 55.5 | 59.2 | 58.7 | - | - | - | 52.7 | 56.7 | 55.2 | - | - | - |
| MSU | E 13100 | 47.2 | - | - | - | - | - | 60.9 | - | - | - | - | - | 54.1 | - | - | - | - | - |
| MSU | E13268 | 44.6 | 51.2 | - | - | - | - | 58.4 | 59.5 | - | - | - | - | 51.5 | 55.4 | - | - | - | - |
| MSU | E13367 | 51.8 | 56.0 | 54.6 | - | - | - | 60.0 | 63.1 | 60.7 | - | - | - | 55.9 | 59.6 | 57.7 | - | - | - |
| MSU | E13369 | 47.3 | 53.4 | 51.7 | - | - | - | 55.3 | 57.4 | 57.2 | - | - | - | 51.3 | 55.4 | 54.5 | - | - | - |
| MSU | E13370 | 51.3 | - | - | - | - | - | 57.5 | - | - | - | - | - | 54.4 | - | - | - | - | - |
| MSU | E13902 | 50.6 | - | - | - | - | - | 58.5 | - | - | - | - | - | 54.5 | - | - | - | - | - |
| MSU | E14077 | 52.6 | - | - | - | - | - | 60.4 | - | - | - | - | - | 56.5 | - | - | - | - | - |
| MSU | E15079T | 44.3 | - | - | - | - | - | 57.5 | - | - | - | - | - | 50.9 | - | - | - | - | - |
| MSU | E15165T | 48.2 | - | - | - | - | - | 57.9 | - | - | - | - | - | 53.1 | - | - | - | - | - |
| M SU | E15346T | 50.3 | - | - | - | - | - | 60.5 | - | - | - | - | - | 55.4 | - | - | - | - | - |
| SunOpta | SR 129 | 42.8 | 47.9 | - | - | - | - | 53.8 | 53.6 | - | - | - | - | 48.3 | 50.7 | - | - | - | - |
| SunOpta | SR354 | 46.0 | 50.6 | - | - | - | - | 56.3 | 56.7 | - | - | - | - | 51.1 | 53.7 | - | - | - | - |
| U of MN | M 07-297007 | 45.5 | 48.5 | - | - | - | - | 54.0 | 57.3 | - | - | - | - | 49.7 | 52.9 | - | - | - | - |
| Uof MN | M 08-365100 | 44.6 | - | - | - | - | - | 52.8 | - | - | - | - | - | 48.7 | - | - | - | - | - |


|  |  | \% $\mathrm{Oil}^{+}$ |  |  |  |  |  | \% Protein ${ }^{+}$ |  |  |  |  |  | Seeds per Pound ${ }^{+}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Source | Variety | 2 yr | 3 yr | 4 yr | 5 yr | 6 yr | 7 yr | 2 yr | 3 yr | 4 yr | 5 yr | 6 yr | 7 yr | 2 yr | 3 yr | 4 yr | 5 yr | 6 yr | 7 yr |
| Albert Lea | Viking 0.2188AT12N | 20.1 | 20.2 |  |  |  |  | 40.8 | 41.7 |  |  |  |  | 2547 | 2484 | - | - | - | - |
| Blue River | 18C7 | 21.5 | 21.5 |  |  |  |  | 38.6 | 39.6 |  |  |  |  | 2219 | 2205 | - | - | - | - |
| Blue River | 20FC6 | 20.9 | 20.9 |  |  |  |  | 38.1 | 39.4 |  |  |  |  | 2529 | 2532 | - | - | - | - |
| Blue River | 21F3 | 19.7 | 19.6 | 19.1 | 18.9 | 18.9 |  | 42.8 | 43.9 | 43.2 | 43.6 | 43.9 |  | 2534 | 2263 | 2222 | 2225 | 2206 | - |
| Blue River | 22DC6 | 19.8 | 19.9 | 19.9 |  |  |  | 40.0 | 41.0 | 41.2 |  |  |  | 2783 | 2695 | 2680 | - | - | - |
| Blue River | 26FO | 19.9 |  |  |  |  |  | 42.1 |  |  |  |  |  | 2112 | - | - | - | - | - |
| CoElevator Co. | DH 410 | 20.9 | 20.9 | 20.7 | 20.5 | 20.5 | 20.5 | 42.5 | 43.7 | 44.2 | 44.4 | 44.5 | 44.6 | 2646 | 2537 | 2489 | 2528 | 2554 | 2554 |
| CoElevator Co. | DH 530 | 21.7 | 21.7 | 21.7 | 21.5 | 21.4 | 21.4 | 38.5 | 39.5 | 39.9 | 40.5 | 40.6 | 40.7 | 2542 | 2503 | 2522 | 2516 | 2533 | 2546 |
| DF Seeds, LLC | DF 155 F | 20.0 | 20.1 | 20.2 | 20.0 | 20.0 | 19.9 | 42.0 | 43.0 | 43.2 | 43.6 | 43.7 | 43.8 | 2128 | 2073 | 2080 | 2130 | 2163 | 2165 |
| DF Seeds, LLC | DF 187 N | 20.0 |  |  |  |  |  | 41.3 |  |  |  |  |  | 2411 | - | - | - | - | - |
| DKB Farms | Vinton 81 | 19.3 | 19.1 | 19.2 | 18.9 | 19.0 | 18.9 | 44.2 | 45.2 | 45.5 | 45.8 | 45.8 | 45.9 | 1934 | 1879 | 1886 | 1957 | 1992 | 1978 |
| MSU | E07051 | 20.8 | 20.8 | 20.9 |  |  |  | 39.8 | 40.7 | 41.1 |  |  |  | 2237 | 2194 | 2190 | - | - | - |
| MSU | E07130-T | 19.0 | 18.9 | 19.0 | 18.8 | 18.8 | 18.9 | 45.5 | 46.3 | 46.5 | 46.5 | 46.6 | 46.7 | 1806 | 1751 | 1759 | 1815 | 1846 | 1835 |
| MSU | E07158-T | 19.2 | 19.1 | 19.1 | 18.8 | 18.9 | 18.9 | 46.5 | 47.3 | 47.4 | 47.4 | 47.5 | 47.6 | 1714 | 1696 | 1690 | 1755 | 1784 | 1785 |
| MSU | E10174 | 20.8 | 20.7 | 20.8 | 20.6 | 20.6 | 20.6 | 39.0 | 39.9 | 40.1 | 40.2 | 40.2 | 40.1 | 2113 | 2068 | 2078 | 2139 | 2183 | 2188 |
| MSU | E11128T | 19.4 | 19.3 | 19.3 | 19.1 |  |  | 44.0 | 44.6 | 44.9 | 45.0 |  |  | 2052 | 2021 | 2024 | 2090 | - | - |
| MSU | E12076T | 20.3 | 20.4 |  |  |  |  | 39.4 | 40.0 |  |  |  |  | 2594 | 2491 | - | - | - | - |
| MSU | E13036T | 19.8 | 19.9 | 19.9 |  |  |  | 40.9 | 41.6 | 41.9 |  |  |  | 2150 | 2054 | 2055 | - | - | - |
| MSU | E13100 | 20.6 |  |  |  |  |  | 39.3 |  |  |  |  |  | 2174 | - | - | - | - | - |
| MSU | E13268 | 20.7 | 20.7 |  |  |  |  | 39.1 | 39.9 |  |  |  |  | 2697 | 2644 | - | - | - | - |
| MSU | E13367 | 20.1 | 20.2 | 20.3 |  |  |  | 38.3 | 39.3 | 39.7 |  |  |  | 2701 | 2631 | 2622 | - | - | - |
| MSU | E13369 | 20.2 | 20.4 | 20.4 |  |  |  | 39.7 | 40.6 | 40.8 |  |  |  | 2922 | 2817 | 2825 | - | - | - |
| MSU | E13370 | 20.1 |  |  |  |  |  | 39.6 |  |  |  |  |  | 2846 | - | - | - | - | - |
| MSU | E13902 | 20.0 |  |  |  |  |  | 40.0 |  |  |  |  |  | 2366 | - | - | - | - | - |
| MSU | E14077 | 20.8 |  |  |  |  |  | 38.8 |  |  |  |  |  | 2544 | - | - | - | - | - |
| MSU | E15079T | 19.4 |  |  |  |  |  | 43.7 |  |  |  |  |  | 2106 | - | - | - | - | - |
| MSU | E15165T | 19.7 |  |  |  |  |  | 42.8 |  |  |  |  |  | 1905 | - | - | - | - | - |
| MSU | E15346T | 20.9 |  |  |  |  |  | 39.4 |  |  |  |  |  | 2379 | - | - | - | - | - |
| SunOpta | SR129 | 19.8 | 19.8 |  |  |  |  | 42.9 | 43.6 |  |  |  |  | 2176 | 2136 | - | - | - | - |
| SunOpta | SR354 | 19.0 | 19.3 |  |  |  |  | 43.7 | 44.7 |  |  |  |  | 2171 | 2111 | - | - | - | - |
| U of Minnesota | M07-297007 | 20.6 | 20.4 |  |  |  |  | 41.6 | 42.9 |  |  |  |  | 2936 | 2853 | - | - | - | - |
| U of Minnesota | M08-365100 | 21.8 |  |  |  |  |  | 38.8 |  |  |  |  |  | 2533 | - | - | - | - | - |

+ Average of Tuscola

