

2016 Michigan Corn Hybrids Compared

Michigan State University

Department of Crop, Soil & Microbial Sciences

Zone 2 / 3 - INGHAM, MONTCALM & SAGINAW COUNTY CONVENTIONAL GRAIN TRIALS - EARLY (96 Day and Earlier)

| 2016 | | | | Early - TRIAL AVERAGE | | | | | Ingham - Early | | | | | Montcalm - Early | | | | | Saginaw - Early | | | | |
|----------------------------|-----|------|-------|-----------------------|----------|------|-------|-----|----------------|----------|------|-----|-----|------------------|----------|------|-------|-----|-----------------|----------|------|-------|-----|
| BRAND / HYBRID | RM | TRT | TRAIT | %H2O | BU/A | Twt | %SL | %Sd | %H2O | BU/A | Twt | %SL | %Sd | %H2O | BU/A | Twt | %SL | %Sd | %H2O | BU/A | Twt | %SL | %Sd |
| BLUE RIVER 33A16 | 92 | MXL | Conv. | 18.3 | 193.4 | 55.7 | 3.4 | 98 | 19.0 | 192.2 | 56.7 | 0.0 | 100 | 20.7 | 178.2 | 53.2 | 10.1 | 98 | 15.1 | 209.7 | 57.2 | 0.0 | 95 |
| BLUE RIVER 37K90 | 95 | MXL | Conv. | 19.5 | 195.2 | 53.4 | 1.0 | 99 | 19.9 | 191.3 | 53.8 | 0.0 | 99 | 22.4 | 176.5 | 51.2 | 3.1 | 100 | 16.3 | 217.9 | 55.2 | 0.0 | 98 |
| BLUE RIVER 43T35 | 98 | MXL | Conv. | 18.6 | 202.7 | 53.0 | 0.8 | 98 | 19.3 | 208.1 * | 53.4 | 0.0 | 100 | 21.7 | 185.5 | 50.4 | 1.7 | 100 | 14.8 | 214.4 | 55.1 | 0.7 | 93 |
| BLUE RIVER 48G35 | 101 | MXL | Conv. | 20.0 | 210.2 | 52.4 | 1.4 | 98 | 21.5 | 213.1 * | 52.3 | 0.0 | 100 | 23.4 | 180.8 | 50.4 | 4.3 | 99 | 15.0 | 236.8 * | 54.6 | 0.0 | 96 |
| FOUNDATION DIRECT ORG 8801 | 90 | MXL | Conv. | 17.2 | 188.7 | 57.3 | 0.5 | 97 | 17.7 | 191.4 | 58.0 | 0.0 | 100 | 19.3 | 167.6 | 54.6 | 1.5 | 97 | 14.5 | 207.0 | 59.1 | 0.0 | 94 |
| FOUNDATION DIRECT 8789 | 95 | MXL | Conv. | 16.5 | 198.2 | 57.3 | 0.4 | 94 | 17.4 | 204.7 | 58.0 | 0.0 | 97 | 17.9 | 187.5 | 55.4 | 1.2 | 95 | 14.1 | 202.3 | 58.4 | 0.0 | 90 |
| FOUNDATION DIRECT ORG 8700 | 97 | MXL | Conv. | 18.0 | 198.0 | 53.8 | 0.1 | 88 | 19.7 | 182.6 | 55.0 | 0.0 | 89 | 20.0 | 191.7 | 51.9 | 0.3 | 90 | 14.4 | 219.9 | 54.6 | 0.0 | 87 |
| FOUNDATION DIRECT 8762 | 97 | MXL | Conv. | 17.7 | 200.2 | 55.1 | 2.0 | 100 | 17.8 | 196.6 | 55.3 | 0.0 | 100 | 20.1 | 174.4 | 53.4 | 5.9 | 100 | 15.2 | 229.4 * | 56.7 | 0.0 | 100 |
| GREAT LAKES 4452 | 94 | P500 | Conv. | 16.8 | 211.7 | 54.5 | 0.4 | 97 | 17.9 | 203.1 | 54.9 | 0.0 | 100 | 18.4 | 214.1 ** | 52.4 | 1.2 | 99 | 14.1 | 217.9 | 56.2 | 0.0 | 93 |
| GREAT LAKES 4699 | 96 | P500 | Conv. | 17.1 | 221.6 * | 55.0 | 0.4 | 99 | 17.8 | 212.7 * | 55.6 | 0.0 | 100 | 19.5 | 212.3 * | 52.4 | 1.2 | 99 | 14.2 | 239.9 ** | 56.9 | 0.0 | 99 |
| GREAT LAKES 4879 | 98 | P500 | Conv. | 17.9 | 222.7 ** | 54.3 | 0.1 | 99 | 19.4 | 219.3 * | 55.2 | 0.0 | 100 | 19.4 | 209.1 * | 51.6 | 0.0 | 100 | 15.0 | 239.6 * | 56.2 | 0.3 | 96 |
| KEY 401 | 101 | ENC | Conv. | 18.5 | 201.8 | 54.5 | 0.5 | 99 | 20.2 | 193.4 | 53.8 | 0.0 | 100 | 20.4 | 199.7 * | 53.3 | 1.4 | 99 | 14.9 | 212.2 | 56.5 | 0.0 | 98 |
| M&W SEEDS 47J64 | 94 | P250 | Conv. | 16.6 | 207.2 | 55.2 | 0.2 | 99 | 17.7 | 200.9 | 55.8 | 0.0 | 98 | 18.4 | 193.7 | 53.4 | 0.6 | 100 | 13.9 | 227.1 * | 56.5 | 0.0 | 99 |
| M&W SEEDS 46L41 | 96 | P250 | Conv. | 16.9 | 220.0 * | 55.4 | 0.4 | 97 | 17.7 | 220.6 ** | 55.8 | 0.0 | 99 | 18.8 | 204.2 * | 53.9 | 0.9 | 100 | 14.1 | 235.1 * | 56.5 | 0.3 | 94 |
| M&W SEEDS 45A37 | 100 | P250 | Conv. | 18.2 | 202.1 | 54.4 | 0.0 | 99 | 18.6 | 206.5 * | 54.4 | 0.0 | 100 | 21.0 | 186.1 | 52.7 | 0.0 | 98 | 15.1 | 213.6 | 56.1 | 0.0 | 100 |
| M&W SEEDS 45K33 | 101 | P250 | Conv. | 18.4 | 209.0 | 53.0 | 0.5 | 99 | 19.4 | 214.1 * | 53.7 | 0.0 | 98 | 21.0 | 190.7 | 50.3 | 1.4 | 100 | 14.8 | 222.1 | 55.0 | 0.0 | 97 |
| PARTNERS BRAND 6358 | 93 | C250 | Conv. | 17.2 | 204.5 | 56.2 | 0.5 | 98 | 17.6 | 191.6 | 57.1 | 0.0 | 99 | 19.1 | 190.3 | 53.9 | 1.2 | 98 | 15.0 | 231.4 * | 57.6 | 0.3 | 98 |
| PARTNERS BRAND 6981 | 99 | C250 | Conv. | 18.0 | 217.3 * | 54.0 | 1.0 | 95 | 19.2 | 209.8 * | 54.1 | 0.0 | 94 | 20.1 | 203.8 * | 51.4 | 3.0 | 94 | 14.6 | 238.3 * | 56.6 | 0.0 | 97 |
| RUPP XRA94-16 | 94 | C250 | Conv. | 17.0 | 201.6 | 54.9 | 0.0 | 96 | 17.3 | 208.2 * | 56.0 | 0.0 | 95 | 19.4 | 183.2 | 52.4 | 0.0 | 97 | 14.2 | 213.3 | 56.4 | 0.0 | 94 |
| STEYER 9801 | 98 | C250 | Conv. | 17.5 | 199.8 | 54.9 | 0.5 | 95 | 18.0 | 191.5 | 55.3 | 0.0 | 97 | 19.7 | 181.1 | 53.2 | 1.5 | 93 | 14.9 | 226.9 * | 56.1 | 0.0 | 94 |
| STEYER 9802 | 98 | C250 | Conv. | 18.4 | 203.4 | 53.5 | 0.0 | 93 | 19.9 | 195.3 | 54.1 | 0.0 | 96 | 20.8 | 191.5 | 51.6 | 0.0 | 91 | 14.6 | 223.5 * | 54.8 | 0.0 | 92 |
| STEYER 10102 | 101 | C250 | Conv. | 19.1 | 199.8 | 53.7 | 0.0 | 95 | 19.9 | 191.7 | 53.7 | 0.0 | 99 | 22.0 | 189.2 | 51.1 | 0.0 | 96 | 15.4 | 218.4 | 56.4 | 0.0 | 91 |
| STEYER 8602 | 86 | C250 | Conv. | 16.5 | 182.2 | 56.3 | 0.0 | 96 | 17.2 | 173.4 | 57.6 | 0.0 | 99 | 17.9 | 180.4 | 53.4 | 0.0 | 96 | 14.5 | 192.8 | 57.9 | 0.0 | 92 |
| STEYER 9302 | 93 | C250 | Conv. | 17.2 | 198.8 | 56.6 | 0.5 | 93 | 17.9 | 183.4 | 57.1 | 0.0 | 93 | 18.8 | 194.9 | 55.1 | 1.2 | 94 | 15.0 | 218.1 | 57.5 | 0.4 | 92 |
| STEYER 9503 | 95 | C250 | Conv. | 17.7 | 211.5 | 54.4 | 0.4 | 98 | 18.9 | 217.5 * | 55.1 | 0.0 | 99 | 18.7 | 195.2 | 52.3 | 1.1 | 99 | 15.5 | 221.7 | 55.9 | 0.0 | 95 |
| VIKING 51-95N | 95 | C250 | Conv. | 17.3 | 214.0 * | 55.0 | 0.2 | 98 | 17.9 | 214.8 * | 55.7 | 0.0 | 100 | 19.5 | 206.8 * | 52.3 | 0.6 | 100 | 14.4 | 220.3 | 56.9 | 0.0 | 94 |
| VIKING O.24-95N | 95 | | Conv. | 18.0 | 187.2 | 53.9 | 0.0 | 99 | 18.8 | 190.4 | 54.9 | 0.0 | 100 | 20.3 | 165.8 | 51.0 | 0.0 | 100 | 14.8 | 205.4 | 55.9 | 0.0 | 97 |
| VIKING O.71-97N | 97 | | Conv. | 20.4 | 182.2 | 53.1 | 1.6 | 98 | 20.3 | 162.2 | 54.3 | 0.0 | 100 | 24.3 | 173.3 | 49.4 | 4.9 | 98 | 16.7 | 211.2 | 55.5 | 0.0 | 97 |
| VIKING O.58-98N | 98 | C250 | Conv. | 18.2 | 207.6 | 53.4 | 0.5 | 90 | 19.0 | 206.6 * | 53.9 | 0.0 | 95 | 21.2 | 181.5 | 51.2 | 1.5 | 89 | 14.6 | 234.8 * | 55.1 | 0.0 | 87 |
| VIKING 69-99N | 99 | C250 | Conv. | 19.6 | 214.7 * | 54.0 | 2.9 | 98 | 20.9 | 218.6 * | 54.3 | 0.0 | 100 | 21.7 | 192.8 | 52.1 | 8.0 | 97 | 16.2 | 232.9 * | 55.6 | 0.6 | 96 |
| VIKING O.35-99N | 99 | | Conv. | 19.4 | 192.5 | 52.8 | 1.1 | 98 | 20.6 | 185.8 | 53.6 | 0.0 | 98 | 22.4 | 177.1 | 49.5 | 3.4 | 100 | 15.3 | 214.6 | 55.3 | 0.0 | 95 |
| VIKING 60-01N | 101 | C250 | Conv. | 19.0 | 207.6 | 54.7 | 0.2 | 98 | 19.8 | 210.9 * | 55.4 | 0.0 | 99 | 21.5 | 185.0 | 52.3 | 0.6 | 97 | 15.7 | 227.0 * | 56.3 | 0.0 | 98 |
| M&W SEEDS 46G54 | 98 | | Conv. | 18.5 | 198.5 | 52.7 | 0.6 | 97 | 19.4 | 191.2 | 53.3 | 0.0 | 96 | 21.5 | 181.9 | 50.5 | 1.8 | 98 | 14.5 | 222.5 | 54.1 | 0.0 | 96 |
| AVERAGE | | | | 18.0 | 203.2 | 54.5 | 0.7 | 97 | 18.9 | 199.8 | 55.1 | 0.0 | 98 | 20.3 | 188.7 | 52.2 | 1.9 | 97 | 14.9 | 221.1 | 56.2 | 0.1 | 95 |
| HIGHEST | | | | 20.4 | 222.7 | 57.3 | 3.4 | 100 | 21.5 | 220.6 | 58.0 | 0.0 | 100 | 24.3 | 214.1 | 55.4 | 10.1 | 100 | 16.7 | 239.9 | 59.1 | 0.7 | 100 |
| LOWEST | | | | 16.5 | 182.2 | 52.4 | 0.0 | 88 | 17.2 | 162.2 | 52.3 | 0.0 | 89 | 17.9 | 165.8 | 49.4 | 0.0 | 89 | 13.9 | 192.8 | 54.1 | 0.0 | 87 |
| CV (%) | | | | 4.2 | 6.5 | 1.7 | 225.9 | 4.0 | 2.9 | 6.0 | 1.3 | 0.0 | 3.0 | 5.3 | 6.8 | 2.3 | 134.1 | 3.0 | 3.5 | 6.4 | 1.4 | 495.3 | 6.0 |
| LSD (5%) | | | | 0.5 | 8.8 | 0.6 | 1.0 | 3.0 | 0.6 | 14.2 | 0.8 | 0.0 | 4.0 | 1.3 | 15.2 | 1.4 | 3.0 | 3.0 | 0.6 | 16.6 | 0.9 | 0.4 | 6.0 |