

# 2018 IN-FIELD RESEARCH REVIEW



**SPECTRUM**<sup>TM</sup>  
Premium Non-GMO Seed Corn

## RETAIL LOCATIONS

**CO-ALLIANCE, LLP** – INDIANA/MICHIGAN/OHIO

**LEROY FERTILIZER SERVICES** – LEROY, IL

**TENNESSEE FARMERS COOPERATIVE** – TENNESSEE

## DEALER LOCATIONS

**CAMP POINT SEED COMPANY** – CAMP POINT, IL

**SETH TAYLOR FARM** – PARKERSBURG, IL

**CIRCLE M SEED** – TOLUCA, IL

**BENCHMARK AG** – FORT WAYNE, IN

**PENCE GROUP** – LAFAYETTE, IN

**TEUSCHER FAMILY FARMS** – TIPTON, IN

**FLINN AG** – SEYMOUR, IN

**DENNIS HARKRADER FARM** – FREDERICKSBURG, IA

**ELNA CLIKEMAN** – GREENE, IA

**JERAMIE ZIOLA FARM** – CHESANING, MI

**NATE FIRLE FARM** – GIBBON, MN

**HAYCREEK AG SERVICES** – KENYON, MN

**FRONTIER AG** – BUFFALO, ND

**WALNUT CREEK SEEDS** – CARROLL, OH

**JACOBS FARM** – NAPOLEON, OH

**BURKHOLDER DAIRY** – SAEGERTOWN, PA

**MIDLAND DAIRY LLC** – ATHENS, WI

**QUALITY SEEDS** – SHELDON, WI

**ALME BROTHERS DAIRY FARM** – STOUGHTON, WI



## Welcome to the 2018 In-Field Research Review

As a part of our ongoing commitment to provide growers with the best selection of premium Non-GMO hybrids, Spectrum conducts extensive research to determine how varieties perform in diverse locations and varied conditions. This research examines performance of our Non-GMO hybrids in stressful situations. Carefully monitors GMO vs. Non-GMO results. And pushes the boundaries (from population to nutrition to tillage) to determine if hybrids are ready for commercial release.

The 2018 Research Program was managed by Spectrum Premium Non-GMO and involved third-party cooperators as well as universities. Primary research locations were studied in five states including Illinois, Indiana, Iowa, Minnesota, and Ohio. The highlights of the 2018 program are featured on the pages herein.

The growing season got off to an excellent start but extreme weather conditions across the United States compromised crop development (and harvest) in some areas. Spectrum's overall plant health was excellent despite the presence of some diseases including Grey Leaf Spot, Northern Corn Leaf Blight, Eye Spot, and even Tar Spot, a relatively new plant disease being noticed in Illinois and Indiana.

Our research also carefully evaluated root and stalk lodging, studying Non-GMO vs. GMO plant health and intactness. Every state was different. For example, in Indiana, we observed root lodging in the southern part of the state and stalk lodging in the northern part of the state. Spectrum hybrids, however, fared very well. The good news? Final data from our research indicates that the presence of traits does not result in improved plant health or greater intactness over a Non-GMO variety.

Finally, I thought I would share with you the results from my second season of exclusively growing Spectrum Premium Non-GMO hybrids. In 2017 my farm averaged 212 bu/a and in 2018 those same acres averaged 233 bu/a. We were blessed with timely precipitation and good planting conditions. I will also share with you that for the last four years, we have been able to plant without any insecticide.

I am extremely pleased with the success I'm having with my Spectrum acres and I want you to have the same success. After all, your success is our first and only priority. I hope the data enclosed helps you plan your Non-GMO corn acres for 2019.

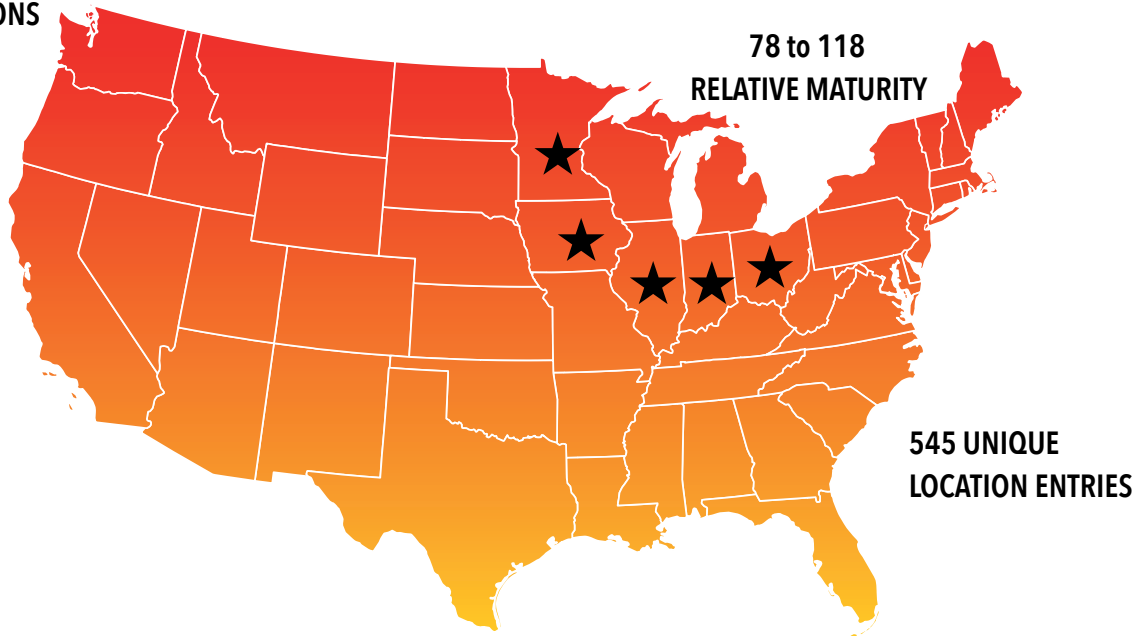
Sincerely,

Josh Richey  
CEO and Spectrum Grower

## Program Details

The 2018 Research Program was managed by Spectrum Premium Non-GMO and involved third-party cooperators and universities. Primary research locations were studied in five states including Illinois, Indiana, Iowa, Minnesota, and Ohio.

PRIMARY  
RESEARCH  
LOCATIONS



## The Brands

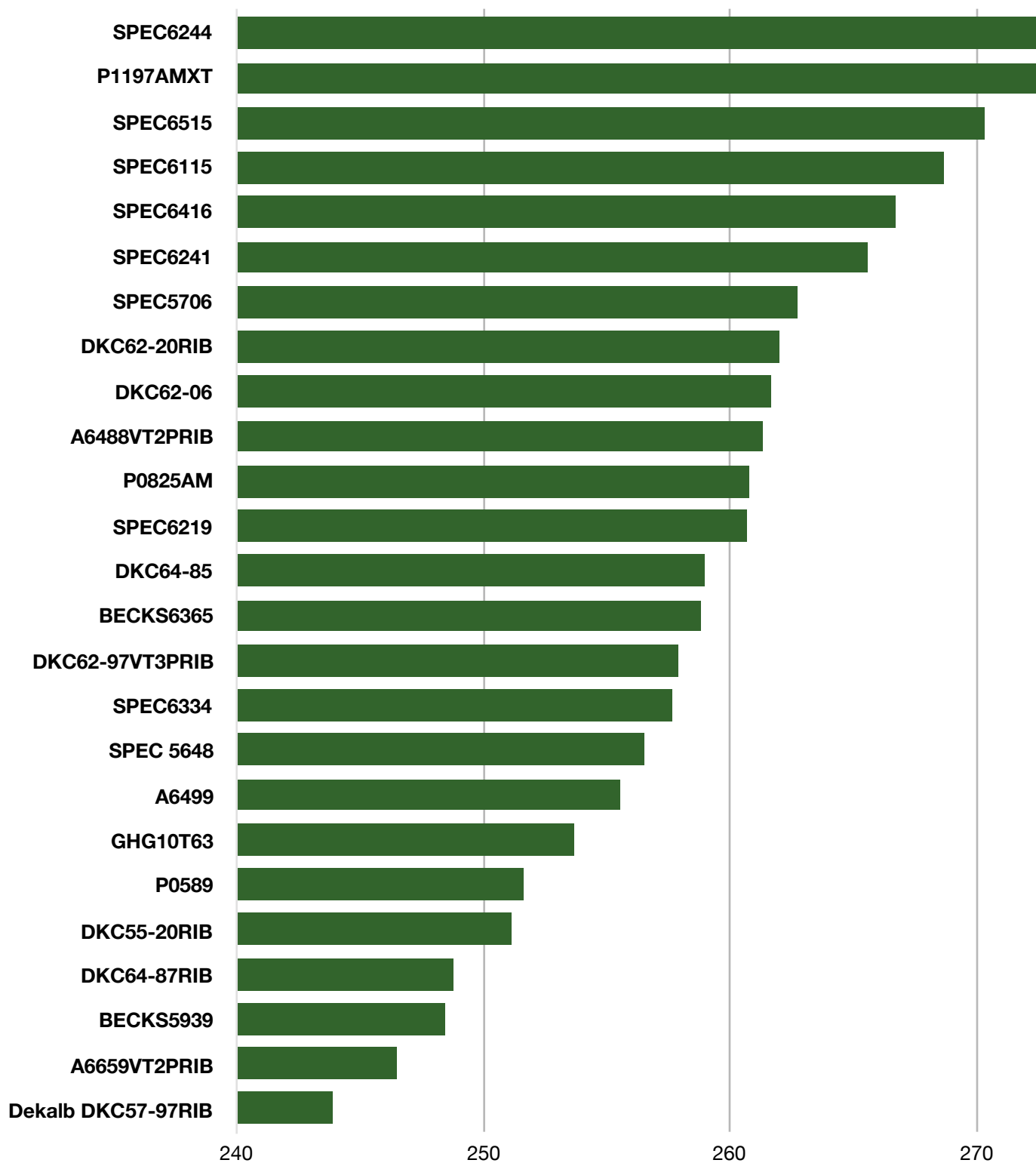
The following brands were included in the 2018 research. Brands were selected based upon grower input and/or cooperator input. The Spectrum brand is owned by Spectrum Premium Non-GMO. All other brands and titles are the sole property of their respective owners.

- AgriGold
- Augusta Seed
- Beck's Hybrids
- DEKALB®
- Golden Harvest
- Pioneer®
- Spectrum Premium Non-GMO
- Steyer Seeds



## Top 25 Hybrids in Yield Across All Testing Locations

How well does an up-and-coming Non-GMO seed company compete with legacy brands and legacy genetics? According to the 2018 performance data, quite well. Of the Top 25 Hybrids in Yield, Spectrum hybrids appeared 9 unique times.



## Performance Highlights by Maturity Range (All Locations)

### 102-104 RM

#### YIELD AVG ACROSS ALL LOCATIONS

RM	# OF LOCATIONS	HYBRID	AVG YIELD ACROSS LOCATIONS
<b>104</b>	<b>14</b>	<b>SPECTRUM 5452</b>	<b>208.70</b>
103	8	DEKALB DKC53-56RIB	203.43
<b>102</b>	<b>1</b>	<b>SPECTRUM 5285</b>	<b>199.30</b>
102	1	AGRIGOLD A6267	183.08

**COMBINED AVG ACROSS ALL BRANDS/LOCATIONS: 198.63**

### 105-107 RM

#### YIELD AVG ACROSS ALL LOCATIONS

RM	# OF LOCATIONS	HYBRID	AVG YIELD ACROSS LOCATIONS
<b>107</b>	<b>12</b>	<b>SPECTRUM 5706</b>	<b>229.79</b>
107	1	DEKALB DKC57-75RIB	221.30
105	9	PIONEER P0589	220.09
105	1	AGRIGOLD 635-54 Conv P500	218.47
107	2	GOLDEN HARVEST G07F23	215.05
<b>106</b>	<b>10</b>	<b>SPECTRUM 5648EXP</b>	<b>214.50</b>
107	14	DEKALB DKC57-75RIB	205.50
107	8	AGRIGOLD A6416	201.89
105	9	DEKALB DKC55-20RIB	201.82

**COMBINED AVG ACROSS ALL BRANDS/LOCATIONS: 214.32**

**108-110 RM****YIELD AVG ACROSS ALL LOCATIONS**

<b>RM</b>	<b># OF LOCATIONS</b>	<b>HYBRID</b>	<b>AVG YIELD ACROSS LOCATIONS</b>
110	2	GOLDEN HARVEST G10T63	238.00
<b>108</b>	<b>2</b>	<b>SPECTRUM 5859</b>	<b>229.00</b>
109	2	PIONEER P0928	222.60
<b>109</b>	<b>12</b>	<b>SPECTRUM 5967</b>	<b>216.25</b>
108	23	PIONEER P0825AM	215.97
109	13	BECKS 5939	215.09
<b>108</b>	<b>6</b>	<b>SPECTRUM 5998</b>	<b>203.65</b>
<b>108</b>	<b>16</b>	<b>SPECTRUM 5706</b>	<b>202.81</b>
<b>109</b>	<b>2</b>	<b>SPECTRUM 5997</b>	<b>199.10</b>

**COMBINED AVG ACROSS ALL BRANDS/LOCATIONS: 220.09****111-112 RM****YIELD AVG ACROSS ALL LOCATIONS**

<b>RM</b>	<b># OF LOCATIONS</b>	<b>HYBRID</b>	<b>AVG YIELD ACROSS LOCATIONS</b>
<b>111</b>	<b>16</b>	<b>SPECTRUM 6115</b>	<b>236.87</b>
112	2	GOLDEN HARVEST G12W66	233.05
<b>112</b>	<b>5</b>	<b>SPECTRUM 6241</b>	<b>231.67</b>
112	2	AUGUSTA 5062	230.80
<b>112</b>	<b>20</b>	<b>SPECTRUM 6244</b>	<b>230.37</b>
112	2	BECKS 6225PQ	227.65
111	22	PIONEER P1197	220.99
112	25	DEKALB DKC62-97VT3PRIB	215.49
111	10	PIONEER P1197AM	215.24
111	11	AGRIGOLD A6488VT2PRIB	211.37
112	11	DEKALB DKC62-20RIB	210.85
112	16	DEKALB DKC62-06	208.15
<b>112</b>	<b>6</b>	<b>SPECTRUM 6105</b>	<b>205.56</b>
<b>112</b>	<b>6</b>	<b>SPECTRUM 6219</b>	<b>203.29</b>

**COMBINED AVG ACROSS ALL BRANDS/LOCATIONS: 220.09**

# Performance Highlights by Location

**PLOT LOCATION:** Ashkum, Illinois

PLANTING DATE: MAY 23, 2018  
HARVEST DATE: OCTOBER 16, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
AGRIGOLD A6257	101	16.9	1.00	4.00	203.94
PIONEER P0157	101	17.2	1.00	1.00	199.92
<b>SPECTRUM 5285</b>	<b>100</b>	<b>17.3</b>	<b>1.00</b>	<b>1.00</b>	<b>198.59</b>
<b>SPECTRUM 4725</b>	<b>98</b>	<b>17.5</b>	<b>2.00</b>	<b>1.00</b>	<b>194.28</b>
<b>SPECTRUM 5111</b>	<b>101</b>	<b>17.5</b>	<b>2.00</b>	<b>1.00</b>	<b>184.85</b>
AGRIGOLD A6267	102	15.3	1.00	1.00	183.08
<b>SPECTRUM 4742</b>	<b>99</b>	<b>16.9</b>	<b>1.00</b>	<b>1.00</b>	<b>182.67</b>
<b>SPECTRUM 4216</b>	<b>93</b>	<b>17.6</b>	<b>1.00</b>	<b>1.00</b>	<b>171.52</b>
<b>SPECTRUM 4432</b>	<b>94</b>	<b>17.6</b>	<b>1.00</b>	<b>1.00</b>	<b>164.79</b>
<b>SPECTRUM 4130</b>	<b>90</b>	<b>17.2</b>	<b>4.00</b>	<b>1.00</b>	<b>163.73</b>
<b>SPECTRUM 5045</b>	<b>100</b>	<b>16.1</b>	<b>1.00</b>	<b>1.00</b>	<b>159.05</b>
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
DEKALB DKC55-20RIB	105	17.4	2.00	1.00	201.35
PIONEER P0825AM	108	18.0	2.00	1.00	200.21
<b>SPECTRUM 5706</b>	<b>107</b>	<b>17.8</b>	<b>2.00</b>	<b>1.00</b>	<b>198.94</b>
DEKALB DKC53-56RIB	103	17.9	3.00	1.00	189.47
<b>SPECTRUM 5452</b>	<b>104</b>	<b>17.3</b>	<b>1.00</b>	<b>1.00</b>	<b>188.53</b>
AGRIGOLD A6416	107	17.8	1.00	1.00	185.27
<b>SPECTRUM 5648EXP</b>	<b>106</b>	<b>17.9</b>	<b>2.00</b>	<b>1.00</b>	<b>184.81</b>
<b>SPECTRUM 5998</b>	<b>108</b>	<b>18.2</b>	<b>2.00</b>	<b>1.00</b>	<b>180.31</b>
<b>SPECTRUM 5967</b>	<b>108</b>	<b>17.4</b>	<b>1.00</b>	<b>1.00</b>	<b>179.59</b>
DEKALB DKC57-97RIB	107	17.7	1.00	1.00	178.25
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5706</b>	<b>107</b>	<b>18.0</b>	<b>1.00</b>	<b>1.00</b>	<b>225.73</b>
<b>SPECTRUM 6115</b>	<b>112</b>	<b>17.9</b>	<b>2.00</b>	<b>1.00</b>	<b>223.21</b>
PIONEER P1197	111	18.2	2.00	1.00	221.40
PIONEER P1197AM	111	18.5	1.00	1.00	215.69
DEKALB DKC62-97VT3PRIB	112	19.0	2.00	1.00	212.19
BECKS 6365	113	18.4	1.00	1.00	210.61
<b>SPECTRUM 6334</b>	<b>114</b>	<b>19.8</b>	<b>1.00</b>	<b>1.00</b>	<b>209.74</b>
PIONEER P0825AM	108	18.6	1.00	1.00	207.00
DEKALB DKC62-06	112	18.1	2.00	1.00	204.76
<b>SPECTRUM 5859</b>	<b>111</b>	<b>18.5</b>	<b>1.00</b>	<b>1.00</b>	<b>204.45</b>
<b>SPECTRUM 6219</b>	<b>112</b>	<b>19.3</b>	<b>4.00</b>	<b>1.00</b>	<b>199.04</b>
AGRIGOLD A6499	112	16.1	1.00	1.00	190.91



**PLOT LOCATION: Bloomington, Illinois**

PLANTING DATE: MAY 22, 2018

HARVEST DATE: OCTOBER 9, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
PIONEER P0825AM	108	22.8	1.00	1.00	199.65
<b>SPECTRUM 5648EXP</b>	<b>106</b>	<b>22.0</b>	<b>1.00</b>	<b>1.00</b>	<b>199.37</b>
<b>SPECTRUM 5967</b>	<b>108</b>	<b>21.8</b>	<b>1.00</b>	<b>1.00</b>	<b>195.26</b>
DEKALB DKC55-20RIB	105	21.3	1.00	1.00	191.99
AGRIGOLD A6416	107	21.8	1.00	1.00	187.48
<b>SPECTRUM 5706</b>	<b>108</b>	<b>23.7</b>	<b>1.00</b>	<b>1.00</b>	<b>185.03</b>
DEKALB DKC57-97RIB	107	22.1	1.00	1.00	181.52
PIONEER P0589	105	21.4	1.00	1.00	181.12
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5706</b>	<b>108</b>	<b>24.4</b>	<b>1.00</b>	<b>1.00</b>	<b>207.07</b>
<b>SPECTRUM 6115</b>	<b>112</b>	<b>23.2</b>	<b>1.00</b>	<b>1.00</b>	<b>202.80</b>
BECKS 6365	113	23.8	1.00	1.00	201.18
PIONEER P0825AM	108	23.9	1.00	1.00	197.97
DEKALB DKC62-97VT3PRIB	112	25.0	1.00	1.00	197.87
PIONEER P1197AM	111	23.2	1.00	1.00	195.53
<b>SPECTRUM 6244</b>	<b>112</b>	<b>23.4</b>	<b>1.00</b>	<b>1.00</b>	<b>190.74</b>

**PLOT LOCATION: Galesburg, Illinois**

PLANTING DATE: MAY 23, 2018

HARVEST DATE: OCTOBER 15, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5648EXP</b>	<b>106</b>	<b>17.3</b>	<b>1.00</b>	<b>1.00</b>	<b>256.55</b>
<b>SPECTRUM 5706</b>	<b>108</b>	<b>15.6</b>	<b>1.00</b>	<b>1.00</b>	<b>254.84</b>
DEKALB DKC55-20RIB	105	15.6	1.00	1.00	251.10
DEKALB DKC57-97RIB	107	15.5	1.00	1.00	232.29
AGRIGOLD A6416	107	15.5	1.00	1.00	228.68
<b>SPECTRUM 5967</b>	<b>108</b>	<b>15.5</b>	<b>1.00</b>	<b>1.00</b>	<b>226.19</b>
DEKALB DKC53-56RIB	103	16.4	1.00	1.00	223.03
PIONEER P0589	105	15.5	1.00	1.00	222.26
<b>SPECTRUM 5452</b>	<b>104</b>	<b>15.5</b>	<b>1.00</b>	<b>1.00</b>	<b>212.43</b>
<b>SPECTRUM 5998</b>	<b>108</b>	<b>15.8</b>	<b>1.00</b>	<b>1.00</b>	<b>211.38</b>
PIONEER P0825AM	108	15.5	1.00	1.00	205.22

**PLOT LOCATION: Galesburg, Illinois**PLANTING DATE: MAY 23, 2018  
HARVEST DATE: OCTOBER 15, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6219</b>	<b>112</b>	<b>15.5</b>	<b>1.00</b>	<b>2.00</b>	<b>260.71</b>
<b>SPECTRUM 6244</b>	<b>112</b>	<b>15.5</b>	<b>1.00</b>	<b>2.00</b>	<b>247.87</b>
PIONEER P0825AM	108	15.5	1.00	1.00	247.15
<b>SPECTRUM 6115</b>	<b>112</b>	<b>15.5</b>	<b>1.00</b>	<b>1.00</b>	<b>247.08</b>
DEKALB DKC62-97VT3PRIB	112	15.5	1.00	1.00	244.90
<b>SPECTRUM 6334</b>	<b>114</b>	<b>16.1</b>	<b>1.00</b>	<b>1.00</b>	<b>242.10</b>
DEKALB DKC62-06	112	16.2	1.00	1.00	239.09
<b>SPECTRUM 6105</b>	<b>112</b>	<b>15.5</b>	<b>1.00</b>	<b>1.00</b>	<b>236.53</b>
BECKS 5939	109	16.2	2.00	1.00	226.78
PIONEER P1197	111	15.7	2.00	2.00	223.38
<b>SPECTRUM 5859</b>	<b>111</b>	<b>15.5</b>	<b>1.00</b>	<b>1.00</b>	<b>218.65</b>
DEKALB DKC57-75RIB	107	15.5	1.00	2.00	217.25
AGRIGOLD A6499	112	15.7	1.00	1.00	209.68
BECKS 6365	113	15.5	1.00	2.00	207.95
PIONEER P1197AM	111	15.5	1.00	1.00	198.48
AGRIGOLD A6488VT2PRIB	111	15.9	1.00	1.00	197.50
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.3</b>	<b>1.00</b>	<b>1.00</b>	<b>187.80</b>
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6416</b>	<b>114</b>	<b>19.2</b>	<b>1.00</b>	<b>1.00</b>	<b>246.16</b>
<b>SPECTRUM 6241</b>	<b>113</b>	<b>18.7</b>	<b>1.00</b>	<b>1.00</b>	<b>235.89</b>
DEKALB DKC64-87RIB	114	19.5	1.00	1.00	235.54
AGRIGOLD A6659VT2PRIB	116	15.5	1.00	1.00	226.22
DEKALB DKC62-97VT3PRIB	112	20.4	1.00	1.00	224.76
<b>SPECTRUM 6115</b>	<b>112</b>	<b>16.4</b>	<b>1.00</b>	<b>1.00</b>	<b>224.42</b>
<b>SPECTRUM 6334</b>	<b>114</b>	<b>16.9</b>	<b>1.00</b>	<b>1.00</b>	<b>221.39</b>
AGRIGOLD A6499	112	19.8	2.00	1.00	214.46
DEKALB DKC64-85	114	18.3	1.00	1.00	214.20
DEKALB DKC62-20RIB	112	18.4	2.00	1.00	214.12
PIONEER P1311AM	113	18.7	1.00	1.00	212.84
<b>SPECTRUM 6244</b>	<b>113</b>	<b>18.4</b>	<b>1.00</b>	<b>1.00</b>	<b>210.39</b>
<b>SPECTRUM 6515</b>	<b>115</b>	<b>19.0</b>	<b>1.00</b>	<b>1.00</b>	<b>208.43</b>
BECKS 6365	113	21.9	1.00	1.00	203.25
<b>SPECTRUM 6714EXP</b>	<b>118</b>	<b>20.4</b>	<b>1.00</b>	<b>1.00</b>	<b>203.09</b>
PIONEER P1197	111	15.5	1.00	1.00	187.35

**PLOT LOCATION: Mason City, Illinois**

PLANTING DATE: MAY 22, 2018

HARVEST DATE: OCTOBER 9, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
PIONEER P1197AM	111	18.1	1.00	1.00	216.02
<b>SPECTRUM 6115</b>	<b>111</b>	<b>17.9</b>	<b>1.00</b>	<b>1.00</b>	<b>212.12</b>
PIONEER P0825AM	108	17.5	1.00	1.00	198.45
AGRIGOLD A6488VT2PRIB	111	17.7	1.00	1.00	197.76
AGRIGOLD A6499	112	19.1	1.00	1.00	189.66
<b>SPECTRUM 5859</b>	<b>108</b>	<b>18.0</b>	<b>1.00</b>	<b>1.00</b>	<b>187.07</b>
<b>SPECTRUM 5706</b>	<b>107</b>	<b>17.8</b>	<b>1.00</b>	<b>1.00</b>	<b>180.52</b>
BECKS 5939	109	18.1	1.00	1.00	175.72
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
AGRIGOLD A6499	112	19.4	1.00	1.00	245.02
<b>SPECTRUM 6416</b>	<b>114</b>	<b>19.1</b>	<b>1.00</b>	<b>1.00</b>	<b>242.45</b>
DEKALB DKC62-97VT3PRIB	112	19.4	1.00	1.00	241.79
<b>SPECTRUM 6334</b>	<b>114</b>	<b>19.2</b>	<b>1.00</b>	<b>1.00</b>	<b>215.84</b>
<b>SPECTRUM 6515</b>	<b>115</b>	<b>19.7</b>	<b>1.00</b>	<b>1.00</b>	<b>210.39</b>
DEKALB DKC64-87RIB	114	18.9	1.00	1.00	207.81
<b>SPECTRUM 6714EXP</b>	<b>118</b>	<b>21.4</b>	<b>1.00</b>	<b>1.00</b>	<b>201.86</b>
DEKALB DKC62-20RIB	112	19.8	1.00	1.00	200.18
AGRIGOLD A6659VT2PRIB	116	19.8	1.00	1.00	199.69
PIONEER P1311AM	113	18.6	1.00	1.00	188.14

"In these times of tight margins, growing weed resistance, and changing market demands, it made sense to look into an alternative to status quo. When we started Circle M Seed, we wanted to find that niche market that thought outside the box and explored options to settle for nothing less than profit. Finding a company that specialized only in the highest quality, top-yielding Non-GMO seed was a priority and partnering with Spectrum Premium Non-GMO fit the bill perfectly."

—Luke Miller, Spectrum Premium Non-GMO Dealer  
Toluca, Illinois



**PLOT LOCATION: Bluffton, Indiana**PLANTING DATE: MAY 7, 2018  
HARVEST DATE: OCTOBER 14, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.2</b>	<b>1.2</b>	<b>244.63</b>
Dekalb DKC57-97RIB	107	16.7	1.3	1.3	243.96
<b>SPECTRUM 5967</b>	<b>109</b>	<b>16.9</b>	<b>1.4</b>	<b>1.2</b>	<b>239.40</b>
Agrigold A6416	107	16.2	1.2	1.1	236.74
Pioneer P0825AM	108	16.8	1.3	1.2	225.49
Pioneer P0589	105	15.8	1.3	1.3	221.16
Dekalb DKC55-20RIB	105	15.6	1.1	1.3	216.06
Dekalb DKC53-56RIB	103	16.3	1.1	1.1	214.54
<b>SPECTRUM 5452</b>	<b>104</b>	<b>16.1</b>	<b>1.4</b>	<b>1.3</b>	<b>212.51</b>
<b>SPECTRUM 5648EXP</b>	<b>106</b>	<b>15.9</b>	<b>1.3</b>	<b>1.2</b>	<b>205.50</b>
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.8</b>	<b>1.1</b>	<b>1.2</b>	<b>232.61</b>
<b>SPECTRUM 6244</b>	<b>112</b>	<b>17.9</b>	<b>1.3</b>	<b>1.2</b>	<b>232.57</b>
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.1</b>	<b>1.0</b>	<b>228.55</b>
DEKALB DKC62-97VT3PRIB	112	17.4	1.1	1.1	227.88
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.8</b>	<b>1.2</b>	<b>1.2</b>	<b>224.40</b>
PIONEER P1197	111	17.3	1.2	1.1	223.91
BECKS 6365	113	16.9	1.3	1.2	223.88
AGRIGOLD A6499	112	18.4	1.1	1.1	218.45
PIONEER P0825AM	108	16.9	1.0	1.1	215.25
BECKS 5939	109	17.4	1.2	1.2	210.28
DEKALB DKC62-06	112	17.7	1.1	1.2	209.28

**PLOT LOCATION: Crawfordsville, Indiana**PLANTING DATE: MAY 11, 2018  
HARVEST DATE: OCTOBER 20, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6416</b>	<b>114</b>	<b>17.5</b>	<b>1.2</b>	<b>1.8</b>	<b>235.51</b>
<b>SPECTRUM 6241</b>	<b>112</b>	<b>18.0</b>	<b>1.3</b>	<b>1.1</b>	<b>232.33</b>
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.3</b>	<b>1.1</b>	<b>1.3</b>	<b>231.10</b>
<b>SPECTRUM 6244</b>	<b>112</b>	<b>16.4</b>	<b>1.4</b>	<b>1.3</b>	<b>229.19</b>
DEKALB DKC64-87RIB	114	17.0	1.0	1.3	227.30
AGRIGOLD A6499	112	17.8	1.3	1.6	224.65
DEKALB DKC62-20RIB	112	16.7	1.1	1.6	219.52
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.0</b>	<b>1.1</b>	<b>1.4</b>	<b>222.70</b>
DEKALB DKC62-97VT3PRIB	112	17.0	1.1	1.3	216.38
AGRIGOLD A6659VT2PRIB	116	19.6	1.0	1.1	215.93
BECKS 6365	113	16.8	1.0	1.2	214.29
DEKALB DKC64-85	114	17.2	1.3	1.4	213.01
PIONEER P1311AM	113	16.9	1.1	1.3	212.00
<b>SPETCRUM 6714EXP</b>	<b>117</b>	<b>20.7</b>	<b>1.5</b>	<b>2.1</b>	<b>211.44</b>
<b>SPECTRUM 6515</b>	<b>115</b>	<b>18.6</b>	<b>1.0</b>	<b>1.3</b>	<b>205.80</b>
PIONEER P1197	111	16.4	1.1	1.3	198.49

**PLOT LOCATION:** Greensburg, Indiana

PLANTING DATE: MAY 12, 2018

HARVEST DATE: OCTOBER 7, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
PIONEER P1197	111	17.3	1.2	1.1	273.21
<b>SPECTRUM 6244</b>	<b>112</b>	<b>17.3</b>	<b>1.1</b>	<b>1.3</b>	<b>272.32</b>
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.8</b>	<b>1.2</b>	<b>1.2</b>	<b>268.66</b>
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.1</b>	<b>1.0</b>	<b>262.67</b>
DEKALB DKC62-06	112	17.7	1.1	1.2	261.73
AGRIGOLD A6488VT2PRIB	111	17.2	1.1	1.0	261.31
PIONEER P0825AM	108	16.9	1.0	1.1	260.81
BECKS 6365	113	16.9	1.3	1.2	258.80
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.8</b>	<b>1.1</b>	<b>1.2</b>	<b>257.66</b>
AGRIGOLD A6499	112	18.4	1.1	1.1	255.50
DEKALB DKC62-97VT3PRIB	112	17.4	1.1	1.1	251.51
BECKS 5939	109	17.4	1.2	1.2	248.43
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6515</b>	<b>115</b>	<b>18.6</b>	<b>1.0</b>	<b>1.3</b>	<b>270.26</b>
PIONEER P1197	111	16.4	1.1	1.3	266.83
<b>SPECTRUM 6244</b>	<b>112</b>	<b>16.4</b>	<b>1.4</b>	<b>1.3</b>	<b>262.23</b>
DEKALB DKC62-20RIB	112	16.7	1.1	1.6	261.95
DEKALB DKC62-97VT3PRIB	112	17.0	1.1	1.3	257.92
<b>SPECTRUM 6416</b>	<b>114</b>	<b>17.5</b>	<b>1.2</b>	<b>1.8</b>	<b>255.50</b>
BECKS 6365	113	16.8	1.0	1.2	249.20
AGRIGOLD A6499	112	17.8	1.3	1.6	246.25
<b>SPECTRUM 6241</b>	<b>112</b>	<b>18.0</b>	<b>1.3</b>	<b>1.1</b>	<b>242.68</b>
DEKALB DKC64-87RIB	114	17.0	1.0	1.3	241.69
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.0</b>	<b>1.1</b>	<b>1.4</b>	<b>241.05</b>
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.3</b>	<b>1.1</b>	<b>1.3</b>	<b>240.05</b>
DEKALB DKC64-85	114	17.2	1.3	1.4	231.20
AGRIGOLD A6659VT2PRIB	116	19.6	1.0	1.1	226.80
<b>SPETCRUM 6714EXP</b>	<b>117</b>	<b>20.7</b>	<b>1.5</b>	<b>2.1</b>	<b>225.27</b>
PIONEER P1311AM	113	16.9	1.1	1.3	219.70

**PLOT DETAILS BY LOCATION**

Location	Soil Type	Fertility	Drainage	Previous Crop	Tillage	Irrigated
Bluffton	Clay-Loam	Medium-High	Good	Soybeans	Conventional	No
Crawfordsville	Clay-Loam	Medium-High	Good	Soybeans	Strip Till	No
Greensburg	Clay	High	Adequate	Soybeans	Conventonal	No

**PLOT LOCATION:** Hartford City, IndianaPLANTING DATE: MAY 8, 2018  
HARVEST DATE: OCTOBER 16, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.2</b>	<b>1.2</b>	<b>247.80</b>
PIONEER P0589	105	15.8	1.3	1.3	246.91
<b>SPECTRUM 5967</b>	<b>109</b>	<b>16.9</b>	<b>1.4</b>	<b>1.2</b>	<b>243.30</b>
DEKALB DKC53-56RIB	103	16.3	1.1	1.1	233.44
PIONEER P0825AM	108	16.8	1.3	1.2	229.93
<b>SPECTRUM 5648EXP</b>	<b>106</b>	<b>15.9</b>	<b>1.3</b>	<b>1.2</b>	<b>229.56</b>
AGRIGOLD A6416	107	16.2	1.2	1.1	225.48
DEKALB DKC57-97RIB	107	16.7	1.3	1.3	224.99
<b>SPECTRUM 5452</b>	<b>104</b>	<b>16.1</b>	<b>1.4</b>	<b>1.3</b>	<b>223.47</b>
DEKALB DKC55-20RIB	105	15.6	1.1	1.3	215.49
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6244</b>	<b>112</b>	<b>17.9</b>	<b>1.3</b>	<b>1.2</b>	<b>269.43</b>
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.8</b>	<b>1.2</b>	<b>1.2</b>	<b>260.02</b>
PIONEER P1197	111	17.3	1.2	1.1	253.67
BECKS 6365	113	16.9	1.3	1.2	251.93
DEKALB DKC62-06	112	17.7	1.1	1.2	250.24
<b>SPECTRUM 6334</b>	<b>111</b>	<b>18.8</b>	<b>1.1</b>	<b>1.2</b>	<b>249.90</b>
AGRIGOLD A6488VT2PRIB	113	17.2	1.1	1.0	249.46
AGRIGOLD A6499	112	18.4	1.1	1.1	238.97
BECKS 5939	109	17.4	1.2	1.2	235.85
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6416</b>	<b>114</b>	<b>17.5</b>	<b>1.2</b>	<b>1.8</b>	<b>266.70</b>
<b>SPECTRUM 6241</b>	<b>112</b>	<b>18.0</b>	<b>1.3</b>	<b>1.1</b>	<b>265.61</b>
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.3</b>	<b>1.1</b>	<b>1.3</b>	<b>260.02</b>
<b>SPECTRUM 6244</b>	<b>112</b>	<b>16.4</b>	<b>1.4</b>	<b>1.3</b>	<b>248.80</b>
DEKALB DKC64-87RIB	114	17.0	1.0	1.3	248.78
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.0</b>	<b>1.1</b>	<b>1.4</b>	<b>248.25</b>
AGRIGOLD A6659VT2PRIB	116	19.6	1.0	1.1	246.51
PIONEER P1311AM	113	16.9	1.1	1.3	243.42
<b>SPECTRUM 6714EXP</b>	<b>117</b>	<b>20.7</b>	<b>1.5</b>	<b>2.1</b>	<b>243.35</b>
BECKS 6365	113	16.8	1.0	1.2	243.06
DEKALB DKC64-85	114	17.2	1.3	1.4	239.16
DEKALB DKC62-97VT3PRIB	112	17.0	1.1	1.3	235.60
AGRIGOLD A6499	112	17.8	1.3	1.6	232.25
DEKALB DKC62-20RIB	112	16.7	1.1	1.6	230.50
<b>SPECTRUM 6515</b>	<b>115</b>	<b>18.6</b>	<b>1.0</b>	<b>1.3</b>	<b>220.62</b>
PIONEER P1197	111	16.4	1.1	1.3	210.92

**PLOT LOCATION:** Michigantown, Indiana

PLANTING DATE: MAY 17, 2018  
HARVEST DATE: OCTOBER 17, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6115 P500</b>	<b>111</b>	<b>16.1</b>	<b>1.5</b>	<b>1.0</b>	<b>257.36</b>
<b>SPECTRUM 6244 P500</b>	<b>112</b>	<b>17.9</b>	<b>1.3</b>	<b>1.0</b>	<b>226.00</b>
AGRIGOLD A635-54P500	105	15.7	1.4	1.0	218.47
<b>SPECTRUM 5452 P500</b>	<b>104</b>	<b>16.5</b>	<b>1.4</b>	<b>1.0</b>	<b>215.18</b>
DEKALB DKC 64-34 P500	114	17.5	1.4	1.0	213.21
<b>SPECTRUM 6416 P500</b>	<b>114</b>	<b>17.8</b>	<b>1.3</b>	<b>1.0</b>	<b>212.43</b>
AGRIGOLD A642-59VT2 P500	112	17.1	1.5	1.0	212.42
<b>SPECTRUM 5706 P500</b>	<b>107</b>	<b>16.3</b>	<b>1.0</b>	<b>1.0</b>	<b>210.79</b>
<b>SPECTRUM 5452 P500</b>	<b>104</b>	<b>16.2</b>	<b>1.3</b>	<b>1.0</b>	<b>205.52</b>
<b>SPECTRUM 6241 P500</b>	<b>112</b>	<b>17.0</b>	<b>1.5</b>	<b>1.0</b>	<b>204.78</b>
<b>SPECTRUM 6334 P500</b>	<b>113</b>	<b>18.3</b>	<b>1.5</b>	<b>1.0</b>	<b>201.57</b>
PIONEER P1197AMXT P500	111	16.9	1.8	1.0	200.76

**PLOT DETAILS BY LOCATION**

Location	Soil Type	Fertility	Drainage	Previous Crop	Tillage	Irrigated
Hartford City	Clay	Low-Medium	Adequate	Soybeans	Strip Till	No
Michigantown	Silty clay-loam	Average	Good	Soybeans	Conventional	No

**"The service I have received from Spectrum over the years has really been excellent. What they are bringing to market is competitive with anybody else... Spectrum is at the forefront."**

Virgil Teuscher, Spectrum Premium Non-GMO Dealer  
Tipton, Indiana



## PLOT LOCATION: Remington, Indiana

PLANTING DATE: MAY 17, 2018  
HARVEST DATE: OCTOBER 23, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5648</b>	<b>106</b>	<b>15.9</b>	<b>1.3</b>	<b>1.2</b>	<b>222.15</b>
<b>SPECTRUM 5967</b>	<b>109</b>	<b>16.9</b>	<b>1.4</b>	<b>1.2</b>	<b>214.40</b>
DEKALB DKC57-97RIB	107	16.7	1.3	1.3	213.47
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.2</b>	<b>1.2</b>	<b>212.29</b>
DEKALB DKC55-20RIB	105	15.6	1.1	1.3	207.40
PIONEER P0589	105	15.8	1.3	1.3	203.03
<b>SPECTRUM 5452</b>	<b>104</b>	<b>16.1</b>	<b>1.4</b>	<b>1.3</b>	<b>200.50</b>
AGRIGOLD A6416	107	16.2	1.2	1.1	186.00
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6244</b>	<b>112</b>	<b>17.9</b>	<b>1.3</b>	<b>1.2</b>	<b>243.59</b>
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.8</b>	<b>1.2</b>	<b>1.2</b>	<b>243.22</b>
AGRIGOLD A6499	112	18.4	1.1	1.1	238.87
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.1</b>	<b>1.0</b>	<b>230.16</b>
PIONEER P1197	111	17.3	1.2	1.1	224.62
DEKALB DKC62-06	112	17.7	1.1	1.2	224.31
DEKALB DKC62-97VT3PRIB	112	17.4	1.1	1.1	221.70
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.8</b>	<b>1.1</b>	<b>1.2</b>	<b>220.23</b>
BECKS 5939	109	17.4	1.2	1.2	215.54
PIONEER P0825AM	108	16.9	1.0	1.1	205.18
AGRIGOLD A6488VT2PRIB	111	17.2	1.1	1.0	199.82
BECKS 6365	113	16.9	1.3	1.2	187.64
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6241</b>	<b>112</b>	<b>18.0</b>	<b>1.3</b>	<b>1.1</b>	<b>229.47</b>
<b>SPECTRUM 6244</b>	<b>112</b>	<b>16.4</b>	<b>1.4</b>	<b>1.3</b>	<b>228.33</b>
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.0</b>	<b>1.1</b>	<b>1.4</b>	<b>225.70</b>
DEKALB DKC64-87RIB	114	17.0	1.0	1.3	224.55
DEKALB DKC62-97VT3PRIB	112	17.0	1.1	1.3	221.29
<b>SPECTRUM 6416</b>	<b>114</b>	<b>17.5</b>	<b>1.2</b>	<b>1.8</b>	<b>221.18</b>
AGRIGOLD A6659VT2PRIB	116	19.6	1.0	1.1	217.87
DEKALB DKC64-85	114	17.2	1.3	1.4	213.52
AGRIGOLD A6499	112	17.8	1.3	1.6	207.07
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.3</b>	<b>1.1</b>	<b>1.3</b>	<b>200.71</b>
PIONEER P1197	111	16.4	1.1	1.3	200.40
<b>SPECTRUM 6515</b>	<b>115</b>	<b>18.6</b>	<b>1.0</b>	<b>1.3</b>	<b>199.79</b>
DEKALB DKC62-20RIB	112	16.7	1.1	1.6	197.92
BECKS 6365	113	16.8	1.0	1.2	191.48
PIONEER P1311AM	113	16.9	1.1	1.3	187.48



**PLOT LOCATION:** Seymour, Indiana

PLANTING DATE: MAY 13, 2018

HARVEST DATE: OCTOBER 9, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6244</b>	<b>112</b>	<b>17.3</b>	<b>1.1</b>	<b>1.3</b>	<b>233.55</b>
DEKALB DKC62-06	112	17.7	1.1	1.2	232.17
PIONEER P1197	111	17.3	1.2	1.1	231.20
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.8</b>	<b>1.2</b>	<b>1.2</b>	<b>231.18</b>
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.1</b>	<b>1.0</b>	<b>228.68</b>
DEKALB DKC62-97VT3PRIB	112	17.4	1.1	1.1	225.20
BECKS 5939	109	17.4	1.2	1.2	224.15
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6244</b>	<b>112</b>	<b>16.4</b>	<b>1.4</b>	<b>1.3</b>	<b>230.20</b>
<b>SPECTRUM 6515</b>	<b>115</b>	<b>18.6</b>	<b>1.0</b>	<b>1.3</b>	<b>239.27</b>
<b>SPECTRUM 6416</b>	<b>114</b>	<b>17.5</b>	<b>1.2</b>	<b>1.8</b>	<b>223.40</b>
DEKALB DKC62-97VT3PRIB	112	17.0	1.1	1.3	209.16
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.0</b>	<b>1.1</b>	<b>1.4</b>	<b>208.75</b>
DEKALB DKC64-87RIB	114	17.0	1.0	1.3	209.67
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.3</b>	<b>1.1</b>	<b>1.3</b>	<b>212.42</b>
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6115</b>	<b>111</b>	<b>16.3</b>	<b>1.1</b>	<b>1.3</b>	<b>212.42</b>
DEKALB DKC64-85	114	17.2	1.3	1.4	201.01
DEKALB DKC62-20RIB	112	16.7	1.1	1.6	200.54
<b>SPECTRUM 6241</b>	<b>112</b>	<b>18.0</b>	<b>1.3</b>	<b>1.1</b>	<b>188.24</b>
PIONEER P1311AM	113	16.9	1.1	1.3	184.68
<b>SPETCRUM 6714EXP</b>	<b>117</b>	<b>20.7</b>	<b>1.5</b>	<b>2.1</b>	<b>216.35</b>
AGRIGOLD A6499	112	17.8	1.3	1.6	182.02
BECKS 6365	113	16.8	1.0	1.2	186.69
AGRIGOLD A6659VT2PRIB	116	19.6	1.0	1.1	174.13

**PLOT DETAILS BY LOCATION**

Location	Soil Type	Fertility	Drainage	Previous Crop	Tillage	Irrigated
Remington	Silt-loam	High	Good	Soybeans	Conventional	No
Seymour	Sandy clay	Medium-High	Adequate	Wheat	No-Till	No

## PLOT LOCATION: Valparaiso, Indiana

PLANTING DATE: MAY 18, 2018  
HARVEST DATE: OCTOBER 24, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.2</b>	<b>1.2</b>	<b>222.63</b>
PIONEER P0589	105	15.8	1.3	1.3	203.14
<b>SPECTRUM 5967</b>	<b>109</b>	<b>16.9</b>	<b>1.4</b>	<b>1.2</b>	<b>197.28</b>
<b>SPECTRUM 5648EXP</b>	<b>106</b>	<b>15.9</b>	<b>1.3</b>	<b>1.2</b>	<b>197.05</b>
DEKALB DKC53-56RIB	103	16.3	1.1	1.1	188.99
AGRIGOLD A6416	107	16.2	1.2	1.1	182.63
PIONEER P0825AM	108	16.8	1.3	1.2	179.75
DEKALB DKC55-20RIB	105	15.6	1.1	1.3	175.20
<b>SPECTRUM 5452</b>	<b>104</b>	<b>16.1</b>	<b>1.4</b>	<b>1.3</b>	<b>174.36</b>
DEKALB DKC57-97RIB	107	16.7	1.3	1.3	173.11
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.7</b>	<b>1.1</b>	<b>1.0</b>	<b>232.44</b>
DEKALB DKC62-97VT3PRIB	112	17.3	1.1	1.1	221.31
<b>SPECTRUM 6334</b>	<b>113</b>	<b>18.8</b>	<b>1.1</b>	<b>1.2</b>	<b>218.60</b>
BECKS 5939	109	17.3	1.2	1.2	213.93
<b>SPECTRUM 6115</b>	<b>111</b>	<b>17.0</b>	<b>1.2</b>	<b>1.1</b>	<b>212.22</b>
AGRIGOLD A6488VT2PRIB	111	17.2	1.1	1.0	208.18
AGRIGOLD A6499	112	18.4	1.1	1.1	203.93
<b>SPECTRUM 6244</b>	<b>112</b>	<b>17.2</b>	<b>1.1</b>	<b>1.3</b>	<b>186.69</b>
DEKALB DKC62-06	112	17.7	1.1	1.2	181.85
PIONEER P1197	111	17.2	1.2	1.1	171.42
BECKS 6365	113	16.9	1.3	1.2	167.50

### PLOT DETAILS BY LOCATION

Location	Soil Type	Fertility	Drainage	Previous Crop	Tillage	Irrigated
Valparaiso	Sandy clay	Medium	Good	Soybeans	Conventional	No



Co-Alliance is an official Spectrum Premium Non-GMO retailer. If you need assistance in hybrid selection and placement recommendations, contact your Co-Alliance location.

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2018 POSEY COUNTY CORN TEST PLOT SUMMARY

NON-GMO CORN HYBRIDS

POSEY

COMPANY NAME	HYBRID NUMBER	POSEY		Hybrids sorted by Yield
		AVG. YIELD	AVG. MOISTURE	
Spectrum	6244	241.5	*	16.8
Dekalb	DKC64-32	226.1	*	19.5
Golden Harvest	G12W66	225.0	*	16.9
Beck's	6365PQ	224.2	*	17.1
Beck's	6225PQ	223.1	*	18.9
Golden Harvest	G10T63	222.3	*	17.3
Augusta	5062	220.4	*	19.1
Augusta	1064	220.2	*	17.7
Pioneer	P1197	218.3		17.4
Dekalb	DKC64-85	217.7		17.8
Agrigold	A6501	217.7		18.3
Spectrum	6115	217.2		16.6
Dekalb	DKC62-06	212.5		17.1
Agrigold	A6499	209.4		18.4
MCC White Genetics (Steyer)	T1122JW	208.5		18.6
Golden Harvest	G07F23	199.4		17.6
Beck's	6589PQ	197.3		19.1
Augusta	5065	194.5		19.4
MCC White Genetics (Steyer)	T1135JW	194.3		20.7
Spectrum	6334	192.8		17.2
Agrigold	A645-10	187.9		19.4
MCC White Genetics (Steyer)	T1137JW	164.2		19.8
<b>PLOT AVERAGE:</b>		<b>210.6</b>		<b>18.21</b>

LSD for Posey Plot YIELD is: 22.36 (Alpha = .05)

Any pairwise comparison is appropriate.

LSD is "Least Significant Difference"

YIELD followed by an asterisk (\*) is not significantly different from the highest yield

**PLOT INFORMATION**

Planted: 5/11/18

Harvested: 9/23/18

4 replications of each hybrid in Posey Plot

Thanks to Adam Thurston and Cale Russler with Pioneer for packaging plot seed, planting four reps of each plot at their location, and harvesting the Posey and Gibson plot locations.

22 hybrids

For questions or additional information, contact Hans Schmitz at Purdue Extension, Posey County at: [hschmitz@purdue.edu](mailto:hschmitz@purdue.edu) or (812) 838-1331.



PURDUE UNIVERSITY COOPERATIVE EXTENSION SERVICE

## 2018 GIBSON COUNTY CORN TEST PLOT SUMMARY

NON-GMO CORN HYBRIDSGIBSON

<u>COMPANY</u> <u>NAME</u>	<u>HYBRID</u> <u>NUMBER</u>	<u>AVG.</u> <u>YIELD</u>	<u>AVG.</u> <u>MOISTURE</u>	
Pioneer	P1197	257.8 *	18.5	Hybrids sorted by Yield
Golden Harvest	G10T63	253.7 *	18.6	LSD for Gibson Plot YIELD is: 21.01 (Alpha = .05)
Spectrum	6115	251.0 *	19.3	
Dekalb	DKC64-32	241.9 *	19.5	
Augusta	5062	241.2 *	20.2	Any pairwise comparison is appropriate.
Golden Harvest	G12W66	241.1 *	18.9	
Agrigold	A645-10	241.0 *	20.1	LSD is "Least Significant Difference"
Spectrum	6244	237.9 *	18.5	
Augusta	1064	237.7 *	19.5	
Spectrum	6334	235.5	19.8	YIELD followed by an asterisk (*) is
Beck's	6225PQ	232.2	20.4	not significantly different from the highest yield
Beck's	6365PQ	232.0	18.7	
Golden Harvest	G07F23	230.7	18.8	4 replications of each hybrid in Gibson Plot
MCC White Genetics (Steyer)	T1122JW	229.5	18.8	
Beck's	6589PQ	228.9	20.3	<b><u>PLOT INFORMATION</u></b>
Dekalb	DKC64-85	224.5	18.5	Planted: April 28, 2018
Augusta	5065	223.9	20.8	Harvested: September 13, 2018
Agrigold	A6501	219.6	20.7	
Dekalb	DKC62-06	218.4	18.0	
Agrigold	A6499	216.8	19.1	
MCC White Genetics (Steyer)	T1135JW	215.0	21.7	Thanks to Adam Thurston and Cale Russler with Pioneer
MCC White Genetics (Steyer)	T1137JW	201.95	20.7	for packaging plot seed, planting four reps of each plot at their
				location, and harvesting the Posey and Gibson plot locations.
<b>PLOT AVERAGE:</b>		<b>232.4</b>	<b>19.51</b>	

21 hybrids

For questions or additional information, contact Hans Schmitz at Purdue Extension, Posey County at: [hschmitz@purdue.edu](mailto:hschmitz@purdue.edu) or (812) 838-1331.

Results can also be found at:  
<https://extension.purdue.edu/Posey/>

**PLOT LOCATION: Bode, Iowa**PLANTING DATE: MAY 26, 2018  
HARVEST DATE: OCTOBER 26, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6115</b>	<b>111</b>	<b>19.8</b>	<b>Not Available</b>	<b>Not Available</b>	<b>244.8</b>
<b>SPECTRUM 5859</b>	<b>108</b>	<b>21.5</b>	<b>Not Available</b>	<b>Not Available</b>	<b>235.4</b>
<b>SPECTRUM 5452</b>	<b>104</b>	<b>17.2</b>	<b>Not Available</b>	<b>Not Available</b>	<b>225.5</b>
<b>SPECTRUM 5967</b>	<b>109</b>	<b>16.1</b>	<b>Not Available</b>	<b>Not Available</b>	<b>224.6</b>
PIONEER P0825AM	108	20.3	Not Available	Not Available	222.0
PIONEER P0928	109	17.3	Not Available	Not Available	214.2
<b>SPECTRUM 5706</b>	<b>107</b>	<b>16.5</b>	<b>Not Available</b>	<b>Not Available</b>	<b>207.2</b>
<b>SPECTRUM 6105</b>	<b>111</b>	<b>20.1</b>	<b>Not Available</b>	<b>Not Available</b>	<b>196.9</b>
<b>SPECTRUM 5998</b>	<b>109</b>	<b>17.8</b>	<b>Not Available</b>	<b>Not Available</b>	<b>195.8</b>
<b>SPECTRUM 5997</b>	<b>109</b>	<b>19.3</b>	<b>Not Available</b>	<b>Not Available</b>	<b>184.1</b>

**PLOT LOCATION: Reinbeck, Iowa**PLANTING DATE: MAY 8, 2018  
HARVEST DATE: OCTOBER 25, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6115</b>	<b>111</b>	<b>17.9</b>	<b>Not Available</b>	<b>Not Available</b>	<b>258.7</b>
PIONEER P0825AM	108	17.4	Not Available	Not Available	253.4
<b>SPECTRUM 5452</b>	<b>104</b>	<b>17.1</b>	<b>Not Available</b>	<b>Not Available</b>	<b>241.7</b>
<b>SPECTRUM 5967</b>	<b>109</b>	<b>16.3</b>	<b>Not Available</b>	<b>Not Available</b>	<b>238.4</b>
PIONEER P0928	109	17.6	Not Available	Not Available	231.0
<b>SPECTRUM 5706</b>	<b>107</b>	<b>17.8</b>	<b>Not Available</b>	<b>Not Available</b>	<b>229.7</b>
<b>SPECTRUM 6105</b>	<b>111</b>	<b>17.6</b>	<b>Not Available</b>	<b>Not Available</b>	<b>226.7</b>
<b>SPECTRUM 5859</b>	<b>108</b>	<b>17.8</b>	<b>Not Available</b>	<b>Not Available</b>	<b>222.7</b>
DEKALB DKC57-75RIB	107	17.6	Not Available	Not Available	221.3
<b>SPECTRUM 5998</b>	<b>109</b>	<b>17.2</b>	<b>Not Available</b>	<b>Not Available</b>	<b>219.3</b>
<b>SPECTRUM 5997</b>	<b>109</b>	<b>17.7</b>	<b>Not Available</b>	<b>Not Available</b>	<b>214.1</b>

**PLOT LOCATION: Richland, Iowa**PLANTING DATE: MAY 18, 2018  
HARVEST DATE: OCTOBER 23, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6416</b>	<b>114</b>	<b>18.2</b>	<b>Not Available</b>	<b>Not Available</b>	<b>257.7</b>
PIONEER P1197	111	17.7	Not Available	Not Available	251.3
<b>SPECTRUM 6244</b>	<b>113</b>	<b>18.0</b>	<b>Not Available</b>	<b>Not Available</b>	<b>244.3</b>
<b>SPECTRUM 6334</b>	<b>114</b>	<b>19.6</b>	<b>Not Available</b>	<b>Not Available</b>	<b>243.1</b>
BECKS 6365	113	17.8	Not Available	Not Available	238.7
<b>SPECTRUM 6115</b>	<b>111</b>	<b>17.9</b>	<b>Not Available</b>	<b>Not Available</b>	<b>234.2</b>
<b>SPECTRUM 6515</b>	<b>115</b>	<b>19.8</b>	<b>Not Available</b>	<b>Not Available</b>	<b>231.5</b>
<b>SPECTRUM 6105</b>	<b>112</b>	<b>18.4</b>	<b>Not Available</b>	<b>Not Available</b>	<b>218.7</b>
AGRIGOLD A6499	112	18.2	Not Available	Not Available	204.0
<b>SPECTRUM 6241</b>	<b>113</b>	<b>19.2</b>	<b>Not Available</b>	<b>Not Available</b>	<b>203.3</b>
<b>SPECTRUM 6416</b>	<b>114</b>	<b>18.2</b>	<b>Not Available</b>	<b>Not Available</b>	<b>257.7</b>

## PLOT DETAILS BY LOCATION

<b>Location</b>	<b>Soil Type</b>	<b>Fertility</b>	<b>Drainage</b>	<b>Previous Crop</b>	<b>Tillage</b>	<b>Irrigated</b>
Bode	Ottosen clay loam and Kossuth silty clay loam	Above Average	Adequate	Soybeans	Minimum	No
Reinbeck	Muscatine and Tama silty clay loams, Lawson clay loam	Average	Good	Soybeans	Strip Till	No
Richland	Taintor silty clay loam	Average	Good	Soybeans	Minimum	No

**PLOT LOCATION: Arcanum, Ohio**PLANTING DATE: MAY 25, 2018  
HARVEST DATE: OCTOBER 21, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6115</b>	<b>112</b>	<b>19.2</b>	<b>1.00</b>	<b>1.00</b>	<b>210.38</b>
DEKALB DKC62-97VT3PRIB	112	20.8	1.00	1.00	205.75
PIONEER P1197AM	111	19.0	1.00	1.00	196.14
BECKS 5939	109	19.9	1.00	1.00	190.88
<b>SPECTRUM 6334</b>	<b>114</b>	<b>21.0</b>	<b>1.00</b>	<b>1.00</b>	<b>179.22</b>
BECKS 6365	113	18.1	1.00	1.00	176.73
DEKALB DKC62-06	112	19.5	1.00	1.00	176.73
AGRIGOLD A6488VT2PRIB	111	19.4	1.00	1.00	176.53
<b>SPECTRUM 5706</b>	<b>107</b>	<b>17.7</b>	<b>1.00</b>	<b>1.00</b>	<b>176.35</b>
AGRIGOLD A6499	112	21.0	1.00	1.00	170.23
<b>SPECTRUM 6115</b>	<b>112</b>	<b>19.2</b>	<b>1.00</b>	<b>1.00</b>	<b>210.38</b>
HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6244</b>	<b>113</b>	<b>21.1</b>	<b>1.00</b>	<b>1.00</b>	<b>198.35</b>
DEKALB DKC64-87RIB	114	23.1	1.00	1.00	196.10
DEKALB DKC64-85	114	19.4	1.00	1.00	193.40
<b>SPECTRUM 6416</b>	<b>114</b>	<b>19.5</b>	<b>1.00</b>	<b>1.00</b>	<b>191.04</b>
<b>SPECTRUM 6241</b>	<b>113</b>	<b>22.4</b>	<b>1.00</b>	<b>1.00</b>	<b>190.12</b>
<b>SPECTRUM 6334</b>	<b>114</b>	<b>22.1</b>	<b>1.00</b>	<b>1.00</b>	<b>188.10</b>
<b>SPECTRUM 6515</b>	<b>115</b>	<b>24.4</b>	<b>1.00</b>	<b>1.00</b>	<b>175.85</b>
AGRIGOLD A6659VT2PRIB	116	26.3	1.00	1.00	174.55
DEKALB DKC62-97VT3PRIB	112	21.9	1.00	1.00	168.55
DEKALB DKC62-20RIB	112	20.3	1.00	1.00	167.00

**PLOT LOCATION: Ashland, Ohio**PLANTING DATE: MAY 11, 2018  
HARVEST DATE: OCTOBER 4, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6244</b>	<b>112</b>	<b>22.4</b>	<b>1.00</b>	<b>1.00</b>	<b>213.51</b>
AGRIGOLD A6499	112	23.2	1.00	1.00	205.35
<b>SPECTRUM 5706</b>	<b>107</b>	<b>21.5</b>	<b>1.00</b>	<b>1.00</b>	<b>201.49</b>
PIONEER P0825AM	108	20.5	1.00	1.00	201.44
<b>SPECTRUM 6334</b>	<b>114</b>	<b>22.9</b>	<b>1.00</b>	<b>1.00</b>	<b>199.08</b>
DEKALB DKC62-97VT3PRIB	112	23.6	1.00	1.00	194.74
DEKALB DKC62-06	112	21.2	1.00	1.00	185.83
<b>SPECTRUM 5859</b>	<b>111</b>	<b>22.4</b>	<b>1.00</b>	<b>1.00</b>	<b>185.55</b>
<b>SPECTRUM 6115</b>	<b>112</b>	<b>21.3</b>	<b>1.00</b>	<b>1.00</b>	<b>178.97</b>
AGRIGOLD A6488VT2PRIB	111	21.6	1.00	1.00	178.79



**PLOT LOCATION:** Ashland, Ohio

PLANTING DATE: MAY 11, 2018

HARVEST DATE: OCTOBER 4, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
DEKALB DKC64-87RIB	114	23.6	1.00	1.00	199.25
<b>SPECTRUM 6115</b>	<b>112</b>	<b>23.9</b>	<b>1.00</b>	<b>1.00</b>	<b>194.73</b>
DEKALB DKC62-20RIB	112	21.5	1.00	1.00	194.60
AGRIGOLD A6499	112	23.7	1.00	1.00	194.07
<b>SPECTRUM 6334</b>	<b>114</b>	<b>25.0</b>	<b>1.00</b>	<b>1.00</b>	<b>183.45</b>
DEKALB DKC64-85	114	22.2	1.00	1.00	181.77
<b>SPECTRUM 6241</b>	<b>113</b>	<b>24.1</b>	<b>1.00</b>	<b>1.00</b>	<b>179.48</b>
DEKALB DKC62-97VT3PRIB	112	24.7	1.00	1.00	168.30
PIONEER P1311AM	113	22.6	1.00	1.00	154.01

**PLOT LOCATION:** Chillicothe, Ohio

PLANTING DATE: MAY 11, 2018

HARVEST DATE: OCTOBER 2, 2018

HYBRID	RM	% MOISTURE	STALK LODGING	ROOT LODGING	YIELD
DEKALB DKC62-97VT3PRIB	112	24.7	1.00	1.00	231.83
<b>SPECTRUM 6244</b>	<b>112</b>	<b>25.9</b>	<b>1.00</b>	<b>1.00</b>	<b>225.13</b>
PIONEER P0825AM	108	23.0	1.00	1.00	221.47
PIONEER P1197AM	111	21.9	1.00	1.00	217.66
PIONEER P1197	111	23.2	1.00	1.00	215.00
<b>SPECTRUM 6219</b>	<b>112</b>	<b>25.4</b>	<b>1.00</b>	<b>1.00</b>	<b>213.97</b>
BECKS 5939	109	22.8	1.00	1.00	212.99
DEKALB DKC57-75RIB	107	24.4	1.00	1.00	209.34
AGRIGOLD A6488VT2PRIB	111	21.8	1.00	1.00	202.60
<b>SPECTRUM 6105</b>	<b>112</b>	<b>28.7</b>	<b>1.00</b>	<b>1.00</b>	<b>196.49</b>
<b>SPECTRUM 6115</b>	<b>112</b>	<b>23.2</b>	<b>1.00</b>	<b>1.00</b>	<b>195.34</b>
<b>SPECTRUM 5706</b>	<b>108</b>	<b>21.3</b>	<b>1.00</b>	<b>1.00</b>	<b>190.97</b>
BECKS 6365	113	23.5	1.00	1.00	190.53
DEKALB DKC62-06	112	27.0	1.00	1.00	186.85
AGRIGOLD A6499	112	25.9	1.00	1.00	183.40

"We looked at some Non-GMO corn and looked at Spectrum and three years ago we bought 10 bags to start with and our yields were up by 25-30% over those more expensive corns with all the genetic traits."

David Brandt, Spectrum Premium Non-GMO Dealer  
Carroll, Ohio



**PLOT LOCATION: Chillicothe, Ohio**PLANTING DATE: MAY 11, 2018  
HARVEST DATE: OCTOBER 2, 2018

HYBRID	RM	MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 6244</b>	<b>113</b>	<b>24.2</b>	<b>1.00</b>	<b>1.00</b>	<b>234.24</b>
<b>SPECTRUM 6241</b>	<b>113</b>	<b>26.1</b>	<b>1.00</b>	<b>1.00</b>	<b>228.64</b>
<b>SPECTRUM 6416</b>	<b>114</b>	<b>25.9</b>	<b>1.00</b>	<b>1.00</b>	<b>216.55</b>
DEKALB DKC64-87RIB	114	27.1	1.00	1.00	213.95
<b>SPECTRUM 6515</b>	<b>115</b>	<b>26.8</b>	<b>1.00</b>	<b>1.00</b>	<b>213.04</b>
DEKALB DKC64-85	114	23.1	1.00	1.00	213.03
DEKALB DKC62-97VT3PRIB	112	23.6	1.00	1.00	210.47
<b>SPECTRUM 6334</b>	<b>114</b>	<b>26.7</b>	<b>1.00</b>	<b>1.00</b>	<b>209.30</b>
AGRIGOLD A6659VT2PRIB	116	25.5	1.00	1.00	206.64
<b>SPECTRUM 6115</b>	<b>112</b>	<b>22.5</b>	<b>1.00</b>	<b>1.00</b>	<b>206.04</b>
AGRIGOLD A6499	112	25.8	1.00	1.00	204.65
DEKALB DKC62-20RIB	112	21.6	1.00	1.00	202.90
<b>SPECTRUM 6714EXP</b>	<b>118</b>	<b>27.4</b>	<b>1.00</b>	<b>1.00</b>	<b>202.16</b>
PIONEER P1197	111	22.6	1.00	1.00	187.08
PIONEER P1311AM	113	23.0	1.00	1.00	181.74

**PLOT LOCATION: Delphos, Ohio**PLANTING DATE: MAY 29, 2018  
HARVEST DATE: OCTOBER 23, 2018

HYBRID	RM	MOISTURE	STALK LODGING	ROOT LODGING	YIELD
<b>SPECTRUM 5648EXP</b>	<b>106</b>	<b>15.7</b>	<b>1.00</b>	<b>1.00</b>	<b>252.94</b>
PIONEER P0589	105	16.1	1.00	1.00	215.30
DEKALB DKC57-97RIB	107	14.3	1.00	1.00	214.62
<b>SPECTRUM 5967</b>	<b>108</b>	<b>16.6</b>	<b>1.00</b>	<b>1.00</b>	<b>201.33</b>
<b>SPECTRUM 5706</b>	<b>107</b>	<b>15.8</b>	<b>1.00</b>	<b>1.00</b>	<b>195.35</b>
<b>SPECTRUM 5998</b>	<b>108</b>	<b>14.5</b>	<b>1.00</b>	<b>1.00</b>	<b>186.55</b>
PIONEER P0825AM	108	14.9	1.00	1.00	179.70
<b>SPECTRUM 5452</b>	<b>104</b>	<b>15.6</b>	<b>2.00</b>	<b>1.00</b>	<b>169.10</b>
DEKALB DKC53-56RIB	103	15.2	2.00	1.00	164.41
AGRIGOLD A6416	107	15.3	1.00	1.00	146.11
DEKALB DKC55-20RIB	105	17.5	3.00	1.00	133.13

**PLOT LOCATION:** Evan, Minnesota

PLANTING DATE: MAY 5, 2018

HARVEST DATE: SEPTEMBER 30, 2018

HYBRID	RM	% MOISTURE	YIELD
<b>SPECTRUM 5452</b>	<b>104</b>	<b>23.9</b>	<b>221.6</b>
<b>SPECTRUM 5111</b>	<b>101</b>	<b>19.3</b>	<b>218.3</b>
<b>SPECTRUM 5285</b>	<b>102</b>	<b>19.8</b>	<b>199.3</b>
<b>SPECTRUM 4216</b>	<b>92</b>	<b>18.3</b>	<b>194.3</b>
<b>SPECTRUM 4725</b>	<b>97</b>	<b>19.3</b>	<b>192.5</b>
<b>SPECTRUM 4046</b>	<b>90</b>	<b>19.1</b>	<b>183.8</b>
<b>SPECTRUM 3291</b>	<b>82</b>	<b>18.3</b>	<b>183.3</b>
<b>SPECTRUM 3617</b>	<b>86</b>	<b>19.6</b>	<b>180.9</b>
AGRIGOLD A6257	100	19.0	173.3
<b>SPECTRUM 3226</b>	<b>78</b>	<b>17.3</b>	<b>169.7</b>
<b>SPECTRUM 5452</b>	<b>104</b>	<b>23.9</b>	<b>221.6</b>

**PLOT DETAILS BY LOCATION**

Location	Soil Type	Fertility	Drainage	Previous Crop	Tillage	Irrigated
Evan	Webster clay loam, Nicollet clay loam, Canisteo clay loam	Above Average	Good	Soybeans	Minimum	No



**SPECTRUM™**

Premium Non-GMO Seed Corn