

County Production Meeting

- CST Corn and Soybean Hybrid/Variety Performance Data, 2013



Summary of efforts of 38 agents & 83 TN/KY producers in 36 counties.

Harvesting a total of 2,066 plots.

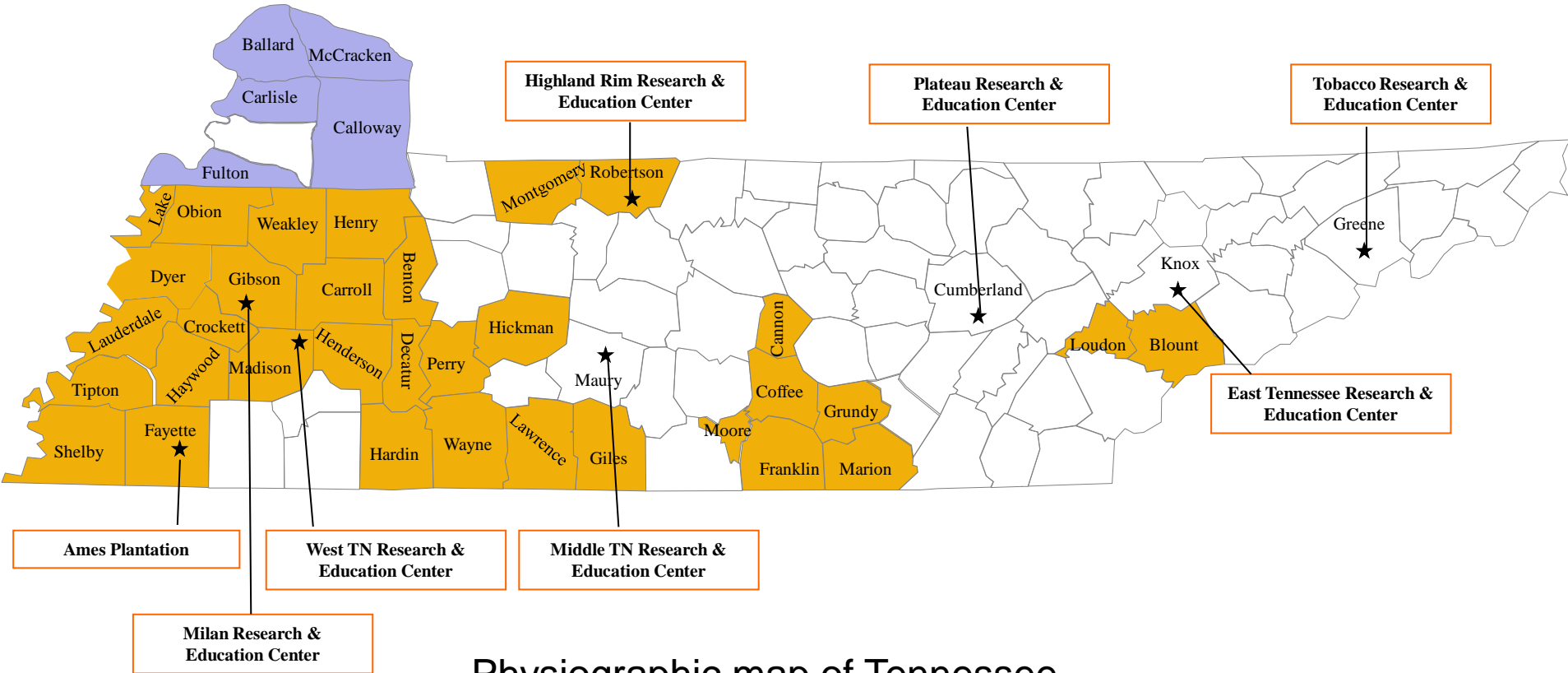
| | | | | |
|---------|--------------|--------------|--------------|-------------|
| Corn | 52 Hybrids | 10 Companies | 59 Locations | 1,056 plots |
| Soybean | 72 Varieties | 15 Companies | 53 Locations | 830 plots |
| Wheat | 18 Varieties | 7 Companies | 10 Locations | 180 plots |



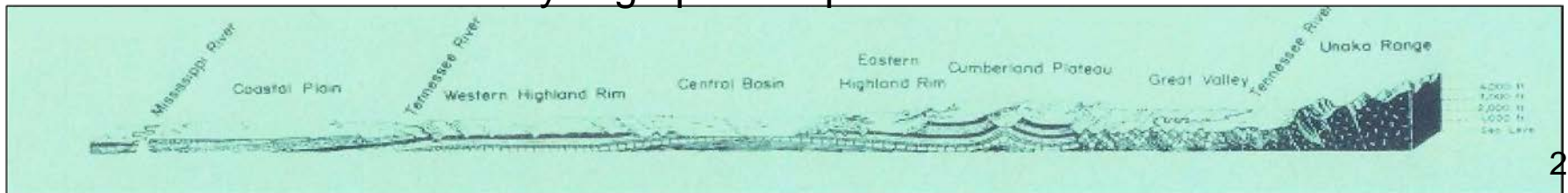
AGRONOMIC VARIETY TESTING

COUNTIES AND RESEARCH & EDUCATION CENTERS

Kentucky Counties



Physiographic map of Tennessee



2012 STANDARD EARLY SEASON ROUNDUP/STACKED CORN HYBRID TEST (108-113 DAY)

Tennessee & West Kentucky
(23 Hybrids X 17 Locations)

Legend

| | |
|-----|-----------------|
| 157 | Location yield |
| 157 | Top yield |
| 157 | Yield above avg |



| MS | BRAND/HYBRID | AvgYld | Moist | TWt | Blou | Call | Carl | Carr | Coff | Dyer | Faye | Fran | Fult | Gile | Hend | Henr | Madi | Mont | Obio | Wea1 | Wea2 | |
|----------|-----------------------------|------------|-------------|-------------|------------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|------------|------------|-----------|------------|-----------|-----------|----|
| | | bu/a | % | lb/bu | 5/7§ | 4/9 | 4/20 | 4/15 | 4/3 | 4/2 | 3/29 | 3/27 | 4/9 | 4/27 | 3/29 | 3/30 | 4/6 | 4/4 | 4/18 | 3/30 | 3/29 | |
| A | *LG Seeds LG2555 VT3 | 138 | 16.3 | 56.4 | 197 | 231 | 189 | 80 | 78 | 176 | 194 | 93 | 141 | 210 | 140 | 143 | 131 | 112 | 127 | 80 | 25 | 13 |
| A | Mycogen 2V715 HX1/HXRW/RR/L | 138 | 15.5 | 56.4 | 168 | 233 | 197 | 72 | 94 | 159 | 207 | 89 | 158 | 169 | 140 | 152 | 122 | 114 | 149 | 71 | 45 | 14 |
| AB | Dairyland 9212Q | 135 | 15.6 | 56.2 | 172 | 226 | 151 | 73 | 90 | 173 | 207 | 105 | 139 | 154 | 119 | 146 | 131 | 124 | 154 | 85 | 46 | 13 |
| ABC | *Dekalb DKC61-88 GENVT3P | 134 | 15.4 | 57.6 | 177 | 257 | 166 | 79 | 86 | 158 | 212 | 95 | 132 | 154 | 140 | 141 | 128 | 117 | 127 | 70 | 38 | 13 |
| ABC | Armor 1010PRO2 RR/VT2PRO | 134 | 14.8 | 58.0 | 163 | 232 | 177 | 87 | 99 | 148 | 207 | 101 | 148 | 153 | 131 | 153 | 119 | 102 | 105 | 83 | 68 | 12 |
| ABCD | Dairyland 9111SSX | 133 | 15.5 | 57.4 | 175 | 234 | 167 | 66 | 71 | 151 | 198 | 93 | 140 | 208 | 142 | 145 | 127 | 80 | 145 | 76 | 39 | 11 |
| ABCD | Terral 22BHR43 | 132 | 16.2 | 59.9 | 192 | 245 | 179 | 86 | 69 | 166 | 213 | 114 | 119 | 110 | 145 | 158 | 124 | 94 | 93 | 81 | 48 | 13 |
| ABCDE | ****AgriGold A6533 VT3 | 130 | 16.2 | 56.8 | 179 | 226 | 150 | 72 | 78 | 151 | 208 | 108 | 149 | 148 | 146 | 145 | 117 | 109 | 121 | 83 | 29 | 13 |
| ABCDEF | Dekalb DKC 62-09 GENVT3P | 129 | 15.7 | 56.1 | 177 | 242 | 154 | 76 | 51 | 141 | 216 | 99 | 149 | 143 | 118 | 152 | 121 | 87 | 137 | 83 | 46 | 12 |
| ABCDEF | Augusta A0720 GTCBLLC | 128 | 16.8 | 57.5 | 183 | 233 | 176 | 78 | 85 | 126 | 201 | 109 | 121 | 118 | 135 | 179 | 118 | 97 | 106 | 64 | 55 | 10 |
| BCDEFG | Augusta A5658 GTCBLLC | 128 | 15.0 | 57.6 | 193 | 213 | 152 | 72 | 62 | 165 | 205 | 81 | 143 | 155 | 129 | 135 | 112 | 109 | 130 | 74 | 42 | 10 |
| BCDEFGH | Dairyland 9610 3000GT | 126 | 15.3 | 57.2 | 206 | 231 | 183 | 76 | 62 | 149 | 208 | 75 | 106 | 134 | 130 | 129 | 106 | 119 | 99 | 75 | 53 | 7 |
| BCDEFGH | AgriGold A6486 VT3Pro | 126 | 15.5 | 56.9 | 156 | 222 | 150 | 68 | 61 | 173 | 196 | 101 | 125 | 205 | 135 | 147 | 113 | 96 | 86 | 66 | 39 | 6 |
| BCDEFGHI | Croplan 6125 VT3P | 126 | 15.0 | 56.9 | 176 | 239 | 167 | 78 | 50 | 168 | 215 | 78 | 121 | 117 | 143 | 150 | 114 | 93 | 112 | 74 | 39 | 10 |
| CDEFGHIJ | Armor 1262PRO2 RR/VT2PRO | 125 | 16.3 | 57.9 | 191 | 229 | 160 | 69 | 57 | 156 | 206 | 102 | 128 | 106 | 144 | 137 | 116 | 100 | 115 | 67 | 32 | 7 |
| DEFGHIJ | AgriGold A6476 VT3PRO | 123 | 15.3 | 57.6 | 183 | 228 | 181 | 77 | 53 | 116 | 197 | 84 | 117 | 153 | 120 | 140 | 109 | 121 | 94 | 77 | 45 | 7 |
| EFGHIJ | AgriGold A6517 VT3Pro | 121 | 16.9 | 56.9 | 164 | 254 | 181 | 61 | 49 | 146 | 212 | 90 | 123 | 96 | 135 | 144 | 111 | 88 | 103 | 64 | 34 | 5 |
| FGHIJ | LG Seeds LG2602 VT3Pro | 120 | 17.1 | 56.2 | 147 | 239 | 181 | 66 | 50 | 147 | 211 | 99 | 145 | 94 | 128 | 146 | 116 | 88 | 100 | 61 | 27 | 6 |
| GHIJ | Mycogen 2D744 SS | 118 | 16.4 | 58.1 | 159 | 223 | 153 | 66 | 36 | 152 | 205 | 84 | 128 | 134 | 137 | 132 | 114 | 102 | 79 | 72 | 37 | 4 |
| HIJ | NK Brand N68B 3111 | 118 | 16.5 | 55.5 | 177 | 223 | 201 | 62 | 44 | 153 | 207 | 98 | 122 | 66 | 114 | 137 | 123 | 93 | 83 | 63 | 32 | 6 |
| IJ | Dyna-Gro 51VC40 VT2P | 116 | 15.8 | 57.4 | 170 | 238 | 157 | 60 | 45 | 149 | 206 | 82 | 124 | 119 | 124 | 131 | 116 | 87 | 68 | 70 | 25 | 2 |
| J | NK Brand N72Q 3111 | 115 | 16.9 | 55.9 | 172 | 221 | 156 | 58 | 77 | 131 | 182 | 89 | 120 | 133 | 139 | 126 | 105 | 68 | 98 | 59 | 28 | 2 |
| J | Croplan 6160 VT3P | 115 | 15.7 | 58.1 | 144 | 229 | 134 | 57 | 57 | 170 | 195 | 83 | 120 | 161 | 113 | 126 | 97 | 75 | 120 | 55 | 25 | 3 |
| | Average (bu/ a) | 126 | 15.9 | 57.2 | 175 | 233 | 168 | 71 | 65 | 153 | 205 | 94 | 131 | 141 | 132 | 143 | 117 | 99 | 111 | 72 | 39 | |

2013 STANDARD EARLY SEASON ROUNDUP/STACKED CORN HYBRID TEST (108-113 DAY)

Tennessee & West Kentucky
(22 Hybrids X 21 Locations)



| MS | BRAND/HYBRID | AvgYld | Moist | TWt | Ba | Call | Carl | Car | Cof | Dye | Fay | Fra | Ful | Gib | Gil | Hed | He1 | He2 | Lou | Mad | Mon | Obi | Rob | We1 | We2 | |
|-------|---------------------------|------------|-------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----|
| | | bu/a | % | lb/bu | 5/15§ | 5/10 | 5/15 | 4/16 | 4/15 | 4/18 | 4/8 i | 5/15 | 5/2 | 4/18 | 4/15 | 4/22 | 5/15 | 5/20 | 4/18 | 4/22 | 4/16 | 4/18i | 5/16 | 4/18 | 4/9 | |
| A | Croplan 6640 VT3P | 217 | 17.9 | 58.2 | 214 | 230 | 223 | 202 | 181 | 226 | 251 | 220 | 219 | 198 | 219 | 199 | 234 | 218 | 209 | 188 | 218 | 262 | 247 | 156 | 233 | 19 |
| AB | *Dekalb DKC62-08 GENSS | 215 | 17.7 | 58.1 | 190 | 240 | 242 | 214 | 169 | 199 | 247 | 226 | 212 | 192 | 225 | 201 | 215 | 176 | 211 | 162 | 213 | 266 | 236 | 223 | 256 | 17 |
| ABC | Dyna-Gro D52VC91 VT2P | 211 | 18.1 | 58.8 | 207 | 227 | 230 | 206 | 183 | 214 | 268 | 225 | 207 | 182 | 264 | 168 | 217 | 194 | 204 | 169 | 219 | 200 | 249 | 179 | 225 | 19 |
| ABC | Augusta A5262 3000GT | 211 | 18.7 | 55.7 | 194 | 223 | 240 | 221 | 186 | 212 | 238 | 209 | 212 | 183 | 234 | 173 | 227 | 198 | 210 | 166 | 219 | 238 | 230 | 188 | 232 | 21 |
| BCD | Dekalb DKC61-88 GENVT3P | 208 | 17.0 | 58.3 | 210 | 231 | 225 | 204 | 177 | 225 | 230 | 217 | 203 | 186 | 235 | 172 | 223 | 186 | 211 | 172 | 205 | 226 | 248 | 169 | 216 | 17 |
| CDE | Warren Seed DS9610 3000GT | 206 | 17.4 | 57.2 | 200 | 218 | 212 | 212 | 174 | 158 | 242 | 182 | 191 | 199 | 252 | 187 | 216 | 193 | 205 | 163 | 235 | 262 | 225 | 186 | 218 | 14 |
| CDEF | LG Seeds LG2555 VT3PRIB | 204 | 17.5 | 56.7 | 183 | 220 | 211 | 208 | 162 | 220 | 246 | 216 | 184 | 158 | 214 | 194 | 220 | 190 | 213 | 170 | 195 | 235 | 223 | 168 | 251 | 11 |
| DEFG | Warren Seed DS9212 SSX | 202 | 17.4 | 55.9 | 199 | 220 | 231 | 203 | 175 | 177 | 228 | 203 | 179 | 183 | 211 | 171 | 222 | 208 | 209 | 158 | 213 | 219 | 221 | 200 | 220 | 13 |
| DEFGH | Dyna-Gro D53VC13 VT2P | 202 | 17.8 | 58.2 | 206 | 225 | 225 | 207 | 190 | 185 | 230 | 192 | 185 | 180 | 220 | 155 | 208 | 191 | 196 | 164 | 211 | 229 | 223 | 170 | 240 | 11 |
| DEFGH | Mycogen 2V707 SSX | 201 | 17.4 | 57.2 | 190 | 223 | 223 | 210 | 157 | 183 | 218 | 210 | 198 | 187 | 237 | 174 | 191 | 186 | 208 | 157 | 214 | 235 | 219 | 178 | 221 | 12 |
| EFGH | Terral 22BHR43 | 200 | 17.5 | 59.7 | 183 | 226 | 230 | 188 | 164 | 152 | 262 | 213 | 203 | 175 | 247 | 186 | 219 | 201 | 191 | 157 | 162 | 216 | 225 | 183 | 212 | 11 |
| EFGH | Armor 1133PRO2 VT2PRO | 199 | 17.1 | 57.4 | 177 | 198 | 229 | 208 | 149 | 194 | 238 | 189 | 190 | 183 | 210 | 200 | 208 | 200 | 210 | 158 | 217 | 217 | 221 | 138 | 241 | 11 |
| FGH | Warren Seed DS9111 SSX | 198 | 17.2 | 56.7 | 203 | 222 | 206 | 182 | 163 | 180 | 228 | 188 | 197 | 187 | 242 | 167 | 187 | 189 | 203 | 163 | 201 | 220 | 207 | 187 | 231 | 8 |
| FGH | Armor 1010PRO2 VT2PRO | 197 | 16.8 | 58.3 | 200 | 210 | 213 | 190 | 176 | 207 | 245 | 223 | 186 | 167 | 242 | 149 | 194 | 187 | 187 | 169 | 192 | 200 | 231 | 168 | 204 | 8 |
| FGHI | Mycogen 2V714 SSX | 197 | 17.4 | 55.9 | 201 | 222 | 207 | 178 | 150 | 166 | 206 | 197 | 186 | 184 | 239 | 175 | 217 | 200 | 198 | 163 | 198 | 217 | 222 | 189 | 215 | 9 |
| FGHI | AgriGold A6486 VT2RIB | 196 | 17.1 | 56.9 | 189 | 212 | 206 | 217 | 154 | 205 | 233 | 196 | 188 | 184 | 202 | 154 | 202 | 196 | 189 | 163 | 206 | 221 | 218 | 179 | 213 | 6 |
| FGHI | AgriGold A6517 VT3PRIB | 196 | 18.0 | 55.2 | 183 | 177 | 217 | 219 | 161 | 185 | 224 | 184 | 200 | 185 | 226 | 166 | 202 | 203 | 204 | 172 | 201 | 232 | 222 | 143 | 209 | 8 |
| GHI | Terral 17HR73 | 194 | 16.8 | 56.9 | 186 | 215 | 204 | 209 | 178 | 197 | 225 | 184 | 191 | 178 | 207 | 179 | 188 | 200 | 162 | 170 | 198 | 220 | 217 | 156 | 215 | 7 |
| HI | Mycogen 2V777 SSX | 194 | 17.8 | 55.4 | 155 | 168 | 200 | 204 | 175 | 180 | 232 | 193 | 186 | 196 | 217 | 192 | 211 | 202 | 196 | 143 | 184 | 221 | 207 | 202 | 211 | 8 |
| IJ | AgriGold A6489 VT2RIB | 189 | 17.5 | 57.9 | 195 | 210 | 211 | 182 | 176 | 161 | 246 | 201 | 191 | 157 | 232 | 164 | 185 | 156 | 184 | 162 | 183 | 205 | 219 | 159 | 185 | 4 |
| JK | LG Seeds LG2620 VT2RIB | 185 | 17.7 | 57.7 | 182 | 183 | 190 | 196 | 147 | 175 | 239 | 188 | 193 | 140 | 222 | 135 | 176 | 202 | 144 | 167 | 200 | 208 | 199 | 169 | 236 | 4 |
| K | AgriGold A6533 VT2RIB | 178 | 17.4 | 57.8 | 176 | 188 | 181 | 183 | 161 | 163 | 231 | 182 | 179 | 143 | 205 | 102 | 172 | 193 | 172 | 173 | 181 | 196 | 208 | 145 | 201 | 1 |
| | Average (bu/a) | 200 | 17.5 | 57.3 | 192 | 213 | 216 | 202 | 168 | 189 | 237 | 202 | 195 | 179 | 227 | 171 | 206 | 194 | 196 | 165 | 203 | 225 | 224 | 174 | 222 | |

Table 3. Overall mean yields and agronomic characteristics of 49 early-season corn hybrids evaluated in seven environments in Tennessee during 2013.

| Brand | Hybrid \$ | Avg. Yield [†] | Moisture | Test | Lodging | Plant | Ear |
|------------------|-----------------------------|-------------------------|---------------------|-----------------|---------|------------------------------|------------------------------|
| | | ± Std Error (n=7) | at Harvest (n=7) | Weight (n=2) | | Height [‡] (n=3) | Height [‡] (n=3) |
| | | bu/a | % | lbs/bu | % | in. | in. |
| Augusta | A5658GTCBLL | 229 ± 5 | 17.8 | 54.1 | 0 | 101 | 37 |
| Croplan | 6640VT3P | 224 ± 5 | 18.4 | 54.6 | 0 | 94 | 33 |
| DeKalb | DKC61-88 GENVT3P | 223 ± 4 | 17.7 | 55.0 | 0 | 97 | 33 |
| Terral-REV Brand | 18BHR84 (RR/LL/YGCB/HX1) | 223 ± 5 | 17.0 | 55.2 | 0 | 98 | 33 |
| Augusta | A5262GT3000 | 222 ± 5 | 19.1 | 54.3 | 0 | 105 | 35 |
| Armor | 1262PRO2 | 221 ± 5 | 17.6 | 55.7 | 0 | 105 | 36 |
| Agrigold | A6559VT2PRO | 220 ± 5 | 17.8 | 56.0 | 0 | 101 | 34 |
| Dekalb | DKC62-08 GENSS | 220 ± 4 | 17.7 | 54.8 | 0 | 96 | 36 |
| LG SEEDS | LG5618STXRIB | 220 ± 4 | 19.2 | 54.4 | 0 | 94 | 33 |
| Mycogen | 2V707 (SSX) | 219 ± 5 | 17.3 | 55.2 | 0 | 99 | 37 |
| Terral-REV Brand | 22BHR21 (RR/LL/YGCB/HX1) | 218 ± 5 | 17.3 | 55.2 | 0 | 101 | 35 |
| Warren Seed | DS9111SSX (RR/LL/CB/RW) | 218 ± 4 | 17.4 | 55.2 | 0 | 98 | 36 |
| Steyer | 11208 VT3PRORIBC | 217 ± 5 | 17.5 | 54.2 | 0 | 100 | 34 |
| Agrigold | A6499VT3PRO | 217 ± 5 | 17.8 | 55.5 | 0 | 95 | 34 |
| Croplan | 6265VT2P | 217 ± 5 | 17.4 | 55.7 | 0 | 99 | 36 |
| NK Brand | N72Q-3111 (RR/LL/CB/RW/VIP) | 217 ± 4 | 18.6 | 56.0 | 0 | 102 | 39 |
| Agrigold | A6501VT3PRO | 217 ± 4 | 18.5 | 54.8 | 0 | 98 | 31 |
| Armor | 1133PRO2 | 216 ± 5 | 17.3 | 55.3 | 0 | 96 | 32 |
| Warren Seed | DS9610 (RR/LL/CB/RW) | 215 ± 4 | 17.0 | 55.1 | 0 | 96 | 36 |
| Steyer | X31111TM VT2PRORIBC | 215 ± 5 | 17.6 | 55.2 | 0 | 100 | 35 |
| Delta Grow | 3660 (RR/LL/CB/BL) | 215 ± 5 | 19.1 | 53.7 | 0 | 105 | 35 |
| Dyna-Gro | D52VC91 (VT3P) | 215 ± 5 | 18.4 | 55.5 | 0 | 99 | 34 |
| Caverndale Farms | CF 834 VT2PRORIB | 214 ± 5 | 18.6 | 55.5 | 0 | 96 | 33 |
| Augusta | A5363VT3Pro | 214 ± 4 | 17.1 | 55.8 | 0 | 101 | 36 |
| Delta Grow | 16660VIP3111 | 214 ± 5 | 16.9 | 56.4 | 0 | 100 | 35 |
| Mycogen | 2V714 (SSX) | 213 ± 4 | 17.3 | 55.0 | 0 | 101 | 39 |
| Great Lakes | 6232VT3PRIB | 213 ± 5 | 18.2 | 54.7 | 0 | 97 | 31 |
| Terral-REV Brand | 22BHR43 (RR/LL/CB/HX1) | 211 ± 4 | 17.9 | 56.4 | 0 | 107 | 37 |
| Terral-REV Brand | 17HR73 (RR/LL/HX1) | 211 ± 5 | 17.0 | 55.7 | 0 | 102 | 34 |
| Armor | 1010PRO2 | 209 ± 5 | 16.8 | 56.1 | 0 | 102 | 37 |
| LG SEEDS | LG2555VT3PRIB | 209 ± 5 | 17.7 | 55.6 | 0 | 100 | 34 |
| Dekalb | DKC61-78 GENVT3PRIB | 209 ± 5 | 17.9 | 55.0 | 0 | 100 | 36 |
| Terral-REV Brand | 22BHR54 (RR/LL/YGCB/HX1) | 209 ± 5 | 19.2 | 54.1 | 0 | 103 | 36 |
| Warren Seed | DS9212SSX | 209 ± 5 | 17.5 | 54.2 | 0 | 100 | 36 |

2012 STANDARD MEDIUM SEASON ROUNDUP/STACKED CORN HYBRID TEST (114-116 DAY)

Tennessee & West Kentucky
(21 Hybrids X 22 Locations)

Legend

| | |
|-----|-----------------|
| 157 | Location yield |
| 157 | Top yield |
| 157 | Yield above avg |



| MS | BRAND/HYBRID | AvgYld | Moist | TWt% | Cal | Car | Cro | Dec | Dye | Fay | Fra | Ful | Gib | Gil | Har | Hen | Henr | Hic | Lak | Lau | Lou | Mad | Obi | Rob | She | Wea | |
|-------|--------------------------|------------|-------------|-------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|-----------|-----------|------------|------------|------------|-----------|------------|------------|-----------|------------|------------|-----------|------------|-----------|----|
| | | bu/a | % | lb/bu | 4/9\$ | 4/21 | 3/20 | 4/16 | 4/2 | 4/10 | 3/27 | 4/9 | 4/2 | 4/3 | 5/2 | 3/29 | 3/30 | 4/2 | 4/2 | 4/12 | 3/23 | 3/31 | 3/29 | 4/10 | 4/10 | 4/18 | |
| A | **Dekalb DKC64-69GENVT3P | 134 | 16.2 | 57.2 | 253 | 132 | 77 | 203 | 156 | 102 | 118 | 118 | 118 | 66 | 177 | 148 | 167 | 113 | 191 | 210 | 84 | 128 | 141 | 96 | 125 | 36 | 21 |
| A | Croplan 6926VT3P | 134 | 16.2 | 59.3 | 243 | 82 | 79 | 175 | 158 | 102 | 88 | 162 | 103 | 73 | 166 | 145 | 181 | 115 | 188 | 161 | 108 | 129 | 165 | 115 | 134 | 70 | 19 |
| A | Augusta A5565VT3Pro | 133 | 16.4 | 56.9 | 243 | 110 | 70 | 179 | 164 | 103 | 118 | 128 | 120 | 38 | 171 | 134 | 169 | 95 | 202 | 189 | 92 | 132 | 160 | 128 | 127 | 54 | 20 |
| AB | Armor 1550PRO3RR/VT3PRO | 131 | 17.0 | 58.4 | 252 | 110 | 78 | 154 | 161 | 106 | 122 | 127 | 113 | 70 | 172 | 133 | 166 | 92 | 203 | 205 | 80 | 137 | 158 | 89 | 106 | 54 | 18 |
| AB | LG Seeds LG2641VT3 | 130 | 16.6 | 55.9 | 254 | 78 | 81 | 184 | 154 | 99 | 142 | 130 | 83 | 67 | 171 | 143 | 160 | 111 | 192 | 210 | 85 | 129 | 139 | 68 | 113 | 62 | 18 |
| ABC | Croplan 6960VT3P | 129 | 16.5 | 58.2 | 253 | 101 | 78 | 210 | 162 | 98 | 112 | 125 | 92 | 63 | 176 | 128 | 162 | 102 | 187 | 216 | 86 | 118 | 120 | 68 | 107 | 68 | 17 |
| ABCD | **Dekalb DKC66-97GENVT2P | 128 | 16.1 | 57.7 | 254 | 100 | 72 | 173 | 147 | 105 | 112 | 148 | 83 | 43 | 194 | 134 | 152 | 100 | 182 | 222 | 79 | 149 | 115 | 59 | 134 | 60 | 14 |
| BCDE | Dairyland 9614Q | 123 | 17.2 | 55.8 | 224 | 105 | 66 | 153 | 139 | 108 | 97 | 160 | 126 | 51 | 165 | 129 | 161 | 98 | 170 | 210 | 77 | 111 | 108 | 86 | 124 | 49 | 12 |
| CDEF | Dyna-Gro 54VP81VT3P | 121 | 16.7 | 58.5 | 246 | 108 | 63 | 162 | 153 | 86 | 93 | 116 | 104 | 48 | 158 | 137 | 171 | 88 | 178 | 211 | 83 | 125 | 134 | 63 | 97 | 40 | 11 |
| CDEF | NK Brand N78S 3111 | 121 | 17.9 | 55.8 | 242 | 89 | 66 | 184 | 151 | 91 | 105 | 117 | 90 | 52 | 174 | 131 | 151 | 93 | 179 | 210 | 78 | 101 | 102 | 98 | 123 | 28 | 12 |
| DEF | AgriGold A6553VT2RIB | 120 | 16.5 | 57.7 | 241 | 52 | 83 | 165 | 141 | 118 | 119 | 114 | 106 | 30 | 160 | 130 | 150 | 97 | 186 | 199 | 89 | 105 | 140 | 76 | 106 | 33 | 9 |
| EFG | LG Seeds LG2636VT3Pro | 118 | 16.7 | 56.5 | 250 | 110 | 59 | 178 | 151 | 101 | 82 | 138 | 90 | 26 | 178 | 135 | 150 | 107 | 185 | 200 | 72 | 108 | 107 | 38 | 115 | 25 | 11 |
| EFGH | Mycogen 2V738 SS | 117 | 15.8 | 57.3 | 252 | 96 | 74 | 145 | 157 | 102 | 96 | 113 | 87 | 63 | 139 | 136 | 151 | 100 | 166 | 205 | 86 | 87 | 132 | 46 | 106 | 33 | 11 |
| EFGHI | Dairyland 9214SSX | 115 | 16.9 | 57.6 | 218 | 66 | 80 | 152 | 147 | 89 | 99 | 122 | 71 | 53 | 160 | 136 | 146 | 64 | 185 | 202 | 86 | 124 | 110 | 66 | 125 | 32 | 9 |
| EFGHI | AgriGold A6573VT3Pro | 115 | 16.9 | 56.8 | 248 | 103 | 65 | 177 | 158 | 81 | 66 | 116 | 86 | 49 | 171 | 138 | 150 | 90 | 180 | 185 | 76 | 102 | 92 | 65 | 105 | 25 | 6 |
| FGHI | Augusta A7664VT3 | 115 | 17.3 | 56.4 | 231 | 81 | 66 | 145 | 155 | 93 | 103 | 116 | 83 | 62 | 134 | 134 | 165 | 106 | 169 | 192 | 94 | 85 | 126 | 51 | 103 | 31 | 7 |
| FGHI | Terral 27HR52 | 114 | 17.4 | 57.4 | 254 | 74 | 77 | 172 | 148 | 84 | 98 | 81 | 78 | 64 | 164 | 125 | 167 | 86 | 182 | 201 | 84 | 84 | 119 | 41 | 104 | 23 | 7 |
| GHIJ | Mycogen 2P768 SS | 110 | 16.5 | 56.9 | 240 | 84 | 49 | 119 | 114 | 78 | 134 | 93 | 92 | 46 | 178 | 125 | 140 | 47 | 182 | 206 | 75 | 99 | 84 | 88 | 124 | 29 | 5 |
| HIJ | NK Brand N77P 3111 | 109 | 17.6 | 55.7 | 230 | 70 | 64 | 149 | 148 | 91 | 68 | 105 | 104 | 43 | 158 | 141 | 149 | 81 | 164 | 214 | 73 | 87 | 100 | 28 | 103 | 26 | 3 |
| IJ | Terral 26HR23 | 108 | 16.6 | 58.8 | 226 | 87 | 50 | 154 | 142 | 101 | 88 | 93 | 78 | 27 | 147 | 132 | 150 | 65 | 194 | 200 | 75 | 82 | 96 | 53 | 114 | 15 | 2 |
| J | Dairyland 7015HX/RR | 105 | 18.4 | 55.8 | 227 | 20 | 59 | 150 | 151 | 102 | 129 | 27 | 99 | 54 | 115 | 120 | 135 | 87 | 168 | 188 | 71 | 87 | 137 | 44 | 110 | 25 | 6 |
| | Average (bu/a) | 120 | 16.8 | 57.2 | 242 | 88 | 69 | 166 | 150 | 97 | 104 | 117 | 96 | 52 | 163 | 134 | 157 | 92 | 183 | 202 | 82 | 110 | 123 | 70 | 115 | 39 | |

2013 STANDARD MEDIUM SEASON ROUNDUP/STACKED CORN HYBRID TEST (114-116 DAY)

Tennessee & West Kentucky
(18 Hybrids X 23 Locations)



| MS | BRAND/HYBRID | AvgYld | Moist | TWt | Ca/ | Can | Car | Cof | Dec | Dye | Fa1 | Fa2 | Fra | Ful | Gib | Gil | Hay | Hen | He1 | He2 | Hic | Mad | McC | Per | Rob | She | Way | |
|------|----------------------------|------------|-------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----|
| | | bu/a | % | lb/bu | 5/16S | 4/15 | 5/14 | 4/15 | 5/16 | 4/18 | 5/1 | 4/16 | 5/15 | 5/2 | 4/18 | 4/10 | 5/10 | 4/22 | 5/15 | 5/20 | 5/16 | 4/17 | 5/18 | 5/3 | 4/18 | 5/15 | 5/15 | |
| A | Terral 24BHR93 | 200 | 17.6 | 58.4 | 240 | 217 | 180 | 192 | 233 | 203 | 177 | 207 | 187 | 218 | 195 | 148 | 136 | 176 | 226 | 235 | 241 | 166 | 178 | 232 | 225 | 178 | 208 | 20 |
| AB | Dyna-Gro D55VP77 VT3P | 196 | 17.6 | 59.1 | 236 | 202 | 173 | 173 | 208 | 221 | 184 | 195 | 189 | 211 | 200 | 137 | 130 | 208 | 214 | 213 | 219 | 174 | 193 | 220 | 256 | 177 | 175 | 16 |
| AB | *Croplan 6960 VT3P | 195 | 17.5 | 59.6 | 220 | 186 | 164 | 197 | 232 | 213 | 179 | 189 | 215 | 198 | 198 | 137 | 143 | 177 | 221 | 215 | 205 | 166 | 186 | 232 | 238 | 167 | 205 | 13 |
| AB | ***Dekalb DKC66-97 GENVT2P | 195 | 17.8 | 59.1 | 248 | 206 | 167 | 195 | 199 | 209 | 192 | 194 | 204 | 204 | 184 | 149 | 120 | 163 | 209 | 188 | 239 | 167 | 228 | 249 | 206 | 182 | 178 | 14 |
| AB | ***Dekalb DKC64-69 GENVT3P | 194 | 17.8 | 58.8 | 249 | 214 | 158 | 170 | 216 | 210 | 190 | 206 | 176 | 186 | 204 | 149 | 129 | 213 | 214 | 207 | 228 | 174 | 200 | 233 | 203 | 165 | 179 | 16 |
| AB | *Armor 1550PRO2 VT2PRO | 194 | 18.0 | 58.8 | 241 | 215 | 183 | 175 | 221 | 190 | 168 | 200 | 169 | 194 | 204 | 152 | 116 | 206 | 237 | 207 | 218 | 152 | 202 | 237 | 227 | 158 | 194 | 14 |
| ABC | Augusta A5664 3000GT | 193 | 18.0 | 57.6 | 223 | 205 | 174 | 192 | 215 | 208 | 170 | 189 | 211 | 193 | 189 | 133 | 120 | 205 | 198 | 204 | 224 | 187 | 198 | 214 | 215 | 163 | 197 | 11 |
| ABC | *Augusta A5565 VT3Pro | 192 | 17.8 | 58.5 | 234 | 211 | 170 | 175 | 217 | 202 | 177 | 208 | 185 | 208 | 246 | 132 | 128 | 193 | 195 | 204 | 221 | 151 | 161 | 238 | 210 | 176 | 174 | 14 |
| ABCD | Augusta A6665 VT3Pro | 191 | 17.0 | 59.2 | 214 | 186 | 182 | 191 | 225 | 212 | 186 | 192 | 165 | 207 | 196 | 156 | 113 | 200 | 186 | 202 | 239 | 156 | 196 | 211 | 232 | 172 | 179 | 14 |
| BCD | Warren Seed DS9314 SSX | 189 | 18.0 | 57.1 | 216 | 200 | 166 | 186 | 211 | 210 | 170 | 200 | 188 | 199 | 195 | 136 | 123 | 202 | 199 | 191 | 226 | 176 | 165 | 212 | 210 | 185 | 191 | 11 |
| BCD | Armor 1555 SS | 189 | 18.0 | 58.1 | 220 | 195 | 163 | 176 | 213 | 188 | 187 | 191 | 181 | 196 | 200 | 129 | 134 | 177 | 203 | 197 | 221 | 180 | 196 | 207 | 225 | 178 | 191 | 10 |
| BCD | Warren Seed DS9713 SSX | 189 | 18.4 | 55.3 | 239 | 200 | 174 | 172 | 216 | 187 | 167 | 166 | 155 | 192 | 208 | 132 | 134 | 188 | 199 | 213 | 218 | 177 | 173 | 227 | 217 | 184 | 204 | 11 |
| BCD | AgriGold A6573 VT3PRIB | 189 | 18.0 | 57.1 | 244 | 204 | 167 | 167 | 202 | 195 | 172 | 210 | 188 | 193 | 171 | 122 | 116 | 171 | 196 | 223 | 219 | 145 | 209 | 240 | 217 | 179 | 187 | 8 |
| BCD | Terral 26R60 | 188 | 17.7 | 58.5 | 229 | 191 | 186 | 183 | 229 | 183 | 166 | 189 | 180 | 195 | 183 | 128 | 109 | 201 | 209 | 223 | 231 | 168 | 146 | 258 | 214 | 150 | 182 | 9 |
| BCD | LG Seeds LG2636 VT3PRIB | 188 | 17.6 | 57.3 | 231 | 192 | 172 | 186 | 202 | 186 | 174 | 180 | 156 | 209 | 194 | 120 | 128 | 170 | 235 | 217 | 210 | 186 | 157 | 238 | 212 | 189 | 187 | 10 |
| CD | Dyna-Gro D54VP81 VT3P | 184 | 17.6 | 59.7 | 236 | 219 | 171 | 189 | 218 | 198 | 171 | 166 | 179 | 185 | 202 | 164 | 147 | 183 | 187 | 195 | 203 | 167 | 177 | 108 | 236 | 148 | 184 | 11 |
| D | Croplan 6926 VT3P | 182 | 17.2 | 59.7 | 224 | 225 | 162 | 186 | 188 | 165 | 157 | 194 | 183 | 209 | 171 | 131 | 111 | 179 | 180 | 177 | 216 | 165 | 176 | 239 | 220 | 156 | 177 | 6 |
| E | AgriGold A6553 VT2RIB | 171 | 18.0 | 57.3 | 207 | 193 | 164 | 162 | 204 | 166 | 171 | 181 | 191 | 189 | 178 | 148 | 112 | 56 | 150 | 205 | 193 | 165 | 138 | 196 | 215 | 171 | 188 | 4 |
| | Average (bu/a) | 190 | 17.7 | 58.3 | 231 | 203 | 171 | 181 | 214 | 197 | 175 | 192 | 183 | 199 | 195 | 139 | 125 | 182 | 203 | 206 | 221 | 168 | 182 | 222 | 221 | 171 | 188 | |

Table 9. Overall mean yields and agronomic characteristics of 43 medium-season corn hybrids evaluated in seven environments in Tennessee during 2013.

| Brand | Hybrid § | Avg. Yield [†] | Moisture | Test | Lodging (n=3) | Plant | Ear |
|------------------|---------------------------------|-------------------------|---------------------|-----------------|------------------|------------------------------|------------------------------|
| | | ± Std Err (n=7) | at Harvest (n=7) | Weight (n=2) | | Height [‡] (n=3) | Height [‡] (n=3) |
| | | bu/a | % | lbs/bu | % | in. | in. |
| Beck's Hybrids | Beck 6626AM (RR/LL/CB) | 232 ± 5 | 17.9 | 54.1 | 0 | 106 | 38 |
| Terral-REV Brand | 24BHR93 (RR/LL/CB/HX1) | 231 ± 4 | 18.3 | 54.7 | 0 | 105 | 37 |
| Augusta | A5565VT3Pro | 228 ± 4 | 18.4 | 55.3 | 0 | 88 | 29 |
| Croplan | 6960VT3P | 227 ± 4 | 17.9 | 55.8 | 0 | 100 | 33 |
| Golden Acres | G4598 (VT2P) | 224 ± 4 | 17.9 | 54.4 | 0 | 104 | 34 |
| NK Brand | N78S-3111 (RR/LL/CB/RW/VIP) | 222 ± 5 | 19.4 | 51.9 | 0 | 101 | 38 |
| Beck's Hybrids | Phoenix 6542A4 (RR/LL/CB/RW/BL) | 221 ± 5 | 19.9 | 52.2 | 0 | 101 | 36 |
| Dekalb | DKC66-40 GENSSRIB | 221 ± 5 | 18.3 | 54.1 | 0 | 101 | 37 |
| Augusta | A5465 (GT/LL/CB) | 220 ± 4 | 19.6 | 54.6 | 0 | 103 | 35 |
| DeKalb | DKC66-97 GENVT2P | 220 ± 5 | 18.9 | 53.8 | 0 | 99 | 32 |
| Agrigold | A6659VT3Pro | 220 ± 4 | 18.6 | 54.9 | 0 | 96 | 33 |
| Terral-REV Brand | 26R60 (RR) | 219 ± 4 | 17.9 | 55.3 | 0 | 104 | 34 |
| Armor | 1550PRO2 | 219 ± 4 | 19.2 | 56.1 | 0 | 99 | 33 |
| Steyer | 11407 VT3PRORIBC | 218 ± 4 | 18.2 | 55.2 | 0 | 90 | 30 |
| Great Lakes | 6686VT3PRIB | 218 ± 4 | 18.0 | 54.8 | 0 | 97 | 32 |
| Steyer | 11504 VT2PRORIBC | 217 ± 4 | 17.1 | 55.5 | 0 | 102 | 33 |
| Dyna-Gro | D55VC77 (VT2P) | 217 ± 5 | 17.9 | 55.5 | 0 | 90 | 29 |
| Dyna-Gro | CX56VP46 (VT3P) | 216 ± 4 | 18.6 | 54.4 | 0 | 93 | 34 |
| Croplan | 6926VT3P | 216 ± 4 | 18.1 | 55.4 | 0 | 93 | 31 |
| Steyer | X31161TM VT2PRORIBC | 215 ± 4 | 19.1 | 53.5 | 0 | 97 | 35 |
| Armor | 1555SS | 214 ± 4 | 19.2 | 54.6 | 0 | 89 | 31 |
| Golden Acres | 26V21 (VT3Pro) | 213 ± 5 | 18.4 | 53.5 | 0 | 104 | 37 |
| Agrigold | A6573VT3PRIB | 213 ± 4 | 18.0 | 53.5 | 0 | 97 | 33 |
| Warren Seed | DS9314SSX | 212 ± 4 | 18.4 | 53.8 | 0 | 89 | 34 |
| Warren Seed | DS9311SSX | 211 ± 4 | 17.9 | 53.0 | 0 | 100 | 39 |
| Terral-REV Brand | 25BHR44 (RR/LL/YGCB/HX1) | 211 ± 4 | 18.7 | 55.0 | 0 | 113 | 39 |
| DeKalb | DKC64-69 GENVT3P | 211 ± 4 | 18.0 | 54.7 | 0 | 97 | 34 |
| Mycogen | 2C786 (RR/LL/HX1) | 210 ± 4 | 18.6 | 53.5 | 0 | 97 | 35 |
| Augusta | A5664 (GT/LL/CB/RW) | 209 ± 5 | 17.9 | 53.9 | 0 | 97 | 36 |
| LG SEEDS | LG2636VT3PRIB | 209 ± 4 | 17.9 | 54.3 | 0 | 97 | 30 |
| Beck's Hybrids | Phoenix 6948A3 (RR/LL/CB/RW) | 209 ± 5 | 18.5 | 53.8 | 0 | 100 | 37 |
| Delta Grow | 2888 GTCBLL | 209 ± 4 | 19.3 | 54.6 | 0 | 105 | 37 |
| Caverdale Farms | CF 837 GTCBLL | 208 ± 4 | 19.9 | 53.1 | 0 | 109 | 37 |
| Dyna-Gro | D54VP81 (VT3P) | 208 ± 5 | 17.8 | 56.1 | 1 | 95 | 31 |
| Mycogen | 2J794 (RR/LL/HX1) | 207 ± 4 | 20.2 | 52.6 | 0 | 100 | 37 |
| Augusta | A6866 (GT3000) | 206 ± 4 | 18.3 | 53.3 | 0 | 104 | 36 |
| Augusta | A6665 (VT3PRO) | 205 ± 4 | 17.3 | 55.4 | 0 | 104 | 35 |

2012 STANDARD FULL SEASON ROUNDUP/STACKED CORN HYBRID TEST (>116 DAY)

Tennessee & West Kentucky
(10 Hybrids X 16 Locations)

Legend

| | |
|-----|-----------------|
| 157 | Location yield |
| 157 | Top yield |
| 157 | Yield above avg |



| MS | BRAND/HYBRID | AvgYld | Moist | TWt | Call | Coff | Deca | Dyer | Faye | Fran | Fult | Gibs | Hend | Lake | Laud | Loud | Obio | Robe | Shel | Weak | |
|----|------------------------------|--------|-------|-------|-------|------|------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| | | bu/a | % | lb/bu | 4/9 § | 4/4 | 4/16 | 4/2 | 4/10 | 3/27 | 4/9 | 4/2 | 3/29 | 4/11 | 4/12 | 3/23 | 3/29 | 4/9 | 4/10 | 4/3 | |
| A | Dekalb DKC 67-88 GENVT3P | 133 | 18.1 | 57.4 | 226 | 22 | 172 | 192 | 125 | 84 | 144 | 116 | 183 | 214 | 207 | 83 | 131 | 104 | 102 | 19 | 14 |
| A | AgriGold A6679 VT2RIB | 129 | 18.1 | 57.9 | 206 | 17 | 168 | 175 | 106 | 87 | 145 | 105 | 177 | 229 | 196 | 69 | 147 | 86 | 122 | 23 | 11 |
| A | **Augusta A6867 GTCBLLC | 128 | 17.0 | 58.2 | 211 | 44 | 147 | 181 | 96 | 90 | 126 | 123 | 172 | 207 | 193 | 81 | 127 | 113 | 119 | 20 | 10 |
| AB | Croplan 8410 VT3P | 128 | 16.8 | 57.7 | 227 | 10 | 189 | 98 ^o | 120 | 78 | 166 | 125 | 199 | 218 | 131 | 88 | 149 | 110 | 109 | 27 | 13 |
| AB | Dyna-Gro 57VP51 VT3P | 126 | 16.9 | 56.7 | 235 | 21 | 171 | 162 | 121 | 82 | 103 | 121 | 179 | 234 | 203 | 73 | 133 | 58 | 116 | 12 | 10 |
| AB | AgriGold A6659 VT3Pro | 124 | 17.0 | 57.0 | 232 | 17 | 153 | 164 | 89 | 87 | 100 | 120 | 183 | 238 | 205 | 76 | 135 | 75 | 97 | 15 | 8 |
| AB | Mycogen 2R818 HX1/HXRW/RR/LL | 124 | 16.7 | 57.1 | 199 | 40 | 165 | 181 | 106 | 79 | 116 | 105 | 170 | 207 | 203 | 74 | 134 | 81 | 101 | 21 | 9 |
| BC | Armor 1655PRO2 RR/VT2PRO | 117 | 17.5 | 57.8 | 210 | 29 | 175 | 169 | 101 | 81 | 118 | 112 | 173 | 188 | 144 | 87 | 139 | 37 | 86 | 19 | 8 |
| C | Terral 28HR29 | 112 | 19.5 | 58.1 | 222 | 6 | 154 | 154 | 76 | 47 | 105 | 94 | 169 | 220 | 192 | 67 | 116 | 76 | 96 | 3 | 4 |
| C | Terral 28HR20 | 112 | 18.5 | 58.3 | 235 | 6 | 136 | 174 | 88 | 67 | 128 | 99 | 195 | 220 | 159 | 66 | 104 | 25 | 85 | 3 | 5 |
| | Average (bu/ a) | 123 | 17.6 | 57.6 | 220 | 21 | 163 | 165 | 103 | 78 | 125 | 112 | 180 | 217 | 183 | 76 | 131 | 76 | 103 | 16 | |

**2013 STANDARD FULL SEASON
ROUNDUP/STACKED
CORN HYBRID TEST (>116 DAY)**

**Tennessee & West Kentucky
(12 Hybrids X 15 Locations)**



| MS | BRAND/HYBRID | AvgYld | Moist | TWt | Ca// | Cann | Coff | Dyer | Fay1 | Fay2 | Fran | Fult | Gibs | Gile | Hend | Hen1 | Hen2 | Robe | Shel | |
|-----|-------------------------|------------|-------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----|
| | | bu/a | % | lb/bu | 5/16 § | 4/14 | 4/15 | 4/18 | 5/1 | 4/16 i | 5/15 | 5/2 | 4/18 | 4/10 | 4/15 | 5/15 | 5/20 | 4/23 | 5/15 | |
| A | Augusta A7767 VT3Pro | 201 | 18.8 | 57.4 | 245 | 195 | 177 | 209 | 179 | 199 | 193 | 211 | 199 | 150 | 218 | 246 | 212 | 205 | 185 | 11 |
| A | Croplan 8621 VT3P | 201 | 17.7 | 56.9 | 243 | 215 | 182 | 237 | 162 | 195 | 204 | 191 | 197 | 126 | 223 | 248 | 220 | 208 | 162 | 11 |
| A | *AgriGold A6659 VT3PRO | 200 | 17.5 | 58.2 | 232 | 201 | 182 | 228 | 165 | 191 | 207 | 209 | 201 | 159 | 192 | 235 | 215 | 204 | 182 | 11 |
| A | Terral 27HR83 | 200 | 17.7 | 58.3 | 242 | 217 | 179 | 214 | 157 | 222 | 198 | 212 | 194 | 121 | 210 | 248 | 206 | 190 | 192 | 10 |
| A | *Croplan 8410 VT3P | 198 | 17.9 | 59.6 | 237 | 185 | 186 | 215 | 156 | 227 | 223 | 204 | 190 | 137 | 208 | 237 | 177 | 207 | 183 | 10 |
| A | Terral 28HR20 | 197 | 18.1 | 59.1 | 237 | 213 | 175 | 203 | 140 | 198 | 207 | 198 | 201 | 134 | 223 | 237 | 214 | 192 | 187 | 8 |
| AB | AgriGold A6687 VT2PRO | 196 | 17.5 | 59.5 | 230 | 205 | 177 | 211 | 147 | 195 | 214 | 212 | 184 | 141 | 220 | 227 | 194 | 197 | 185 | 8 |
| ABC | *Dyna-Gro D57VP51 VT3P | 195 | 17.9 | 58.4 | 232 | 199 | 170 | 207 | 148 | 213 | 173 | 200 | 195 | 170 | 206 | 235 | 213 | 190 | 173 | 5 |
| ABC | Dekalb DKC67-57 GENVT3P | 194 | 17.8 | 59.4 | 232 | 209 | 187 | 216 | 172 | 213 | 179 | 198 | 182 | 152 | 186 | 219 | 202 | 193 | 173 | 6 |
| ABC | Armor 1880PRO2 VT2PRO | 194 | 17.4 | 59.6 | 246 | 186 | 155 | 214 | 158 | 199 | 194 | 212 | 188 | 135 | 214 | 239 | 199 | 198 | 167 | 7 |
| BC | Augusta A6867 GTCBLLC | 189 | 18.5 | 58.5 | 204 | 188 | 177 | 208 | 160 | 204 | 204 | 180 | 187 | 122 | 184 | 247 | 223 | 187 | 161 | 6 |
| C | Dekalb DKC69-29 GENVT3P | 188 | 18.5 | 58.7 | 229 | 195 | 172 | 204 | 146 | 165 | 192 | 200 | 189 | 128 | 177 | 222 | 221 | 194 | 182 | 2 |
| | Average (bu/a) | 196 | 17.9 | 58.6 | 234 | 201 | 177 | 214 | 158 | 202 | 199 | 202 | 192 | 140 | 205 | 237 | 208 | 197 | 178 | |

Table 15. Overall mean yields and agronomic characteristics of 17 full-season corn hybrids evaluated in six environments in Tennessee during 2013.

| | | Avg. Yield [†] | Moisture | Test | | Plant | Ear |
|------------------|--------------------|-------------------------|------------|--------|---------|---------------------|---------------------|
| | | ± Std Err | at Harvest | Weight | Lodging | Height [‡] | Height [‡] |
| Brand | Hybrid § | (n=6) | (n=6) | (n=1) | (n=3) | (n=3) | (n=3) |
| | | bu/a | % | lbs/bu | % | in. | in. |
| Terral-REV Brand | 28HR20 (RR/LL/HX1) | 219 ± 5 | 18.8 | 55.9 | 0 | 113 | 39 |
| Agrigold | A6687VT2PRO | 217 ± 5 | 18.6 | 55.9 | 0 | 101 | 37 |
| Terral-REV Brand | 27HR83 (RR/LL/HX1) | 217 ± 5 | 17.9 | 55.1 | 0 | 113 | 42 |
| Golden Acres | 27V01 (VT3Pro) | 215 ± 6 | 18.2 | 53.2 | 0 | 104 | 38 |
| Terral-REV Brand | 28R10 (RR) | 214 ± 5 | 18.6 | 56.4 | 0 | 107 | 37 |
| DeKalb | DKC69-29 GENVT3P | 214 ± 5 | 18.6 | 55.2 | 0 | 92 | 35 |
| Croplan | 8621VT3P | 213 ± 5 | 18.5 | 52.7 | 0 | 106 | 38 |
| Dyna-Gro | D57VP51 (VT3P) | 210 ± 5 | 18.3 | 54.8 | 0 | 100 | 38 |
| Caverndale Farms | CF 907 GTCBLL | 207 ± 5 | 19.8 | 55.5 | 0 | 103 | 36 |
| DeKalb | DKC67-57 GENVT3P | 204 ± 5 | 19.6 | 52.7 | 0 | 103 | 37 |
| Croplan | 8410VT3P | 202 ± 5 | 18.7 | 55.2 | 0 | 95 | 33 |
| Augusta | A7767 (VT3PRO) | 201 ± 5 | 19.5 | 51.5 | 0 | 99 | 35 |

2012 STANDARD MG III ROUNDUP READY SOYBEAN VARIETY TEST

(7 Varieties X 10 Locations)



Legend

75.8 Location yield

75.8 Top yield

75.8 Yield above avg

| MS | Brand/Variety | AvgYld | Moist | Coffee | Dyer | Frank | Fulton | Gibson | Henry | Lake | Mad | Obion | Weak | |
|----|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| | | bu/a | % | plant 5/15 | 4/24 | 4/24 | 5/15 | 4/24 | 4/30 | 5/23 | 4/18 | 4/18 | 5/9 | |
| A | *Terral REV-38R10 | 51.6 | 12.7 | 72.0 | 29.2 | 61.6 | 51.3 | 45.5 | 54.2 | 64.0 | 54.5 | 39.7 | 44.3 | 9 |
| A | NK Brand S39-U2 RR2Y | 51.5 | 13.1 | 71.8 | 28.4 | 60.4 | 53.4 | 38.4 | 54.3 | 65.8 | 59.2 | 41.1 | 42.0 | 7 |
| AB | Warren/Dairyland 3980 R2Y | 49.0 | 12.7 | 69.8 | 31.4 | 56.0 | 47.8 | 42.2 | 56.0 | 62.7 | 47.7 | 39.3 | 37.3 | 5 |
| B | Asgrow AG3932 GENRR2Y | 48.0 | 13.0 | 61.1 | 27.8 | 61.5 | 35.0 | 43.8 | 60.2 | 57.2 | 53.4 | 39.3 | 40.3 | 6 |
| B | Dyna-Gro 32RY39 RR2Y/STS | 47.9 | 13.0 | 73.4 | 27.1 | 50.7 | 35.8 | 44.2 | 52.7 | 60.4 | 53.4 | 40.9 | 40.7 | 5 |
| B | Armor 39-R16 RR2/STS | 47.5 | 13.0 | 75.9 | 27.0 | 55.2 | 38.0 | 43.6 | 56.9 | 56.9 | 51.1 | 31.3 | 39.1 | 3 |
| B | Asgrow AG3731 GENRR2Y | 47.4 | 12.0 | 63.0 | 28.5 | 57.1 | 47.4 | 40.9 | 58.5 | 60.8 | 46.3 | 36.5 | 35.0 | 3 |
| | Average (bu/a) | 49.0 | 12.8 | 69.6 | 28.5 | 57.5 | 44.1 | 42.7 | 56.1 | 61.1 | 52.2 | 38.3 | 39.8 | |

2013 STANDARD MG III ROUNDUP READY SOYBEAN VARIETY TEST

(4 Varieties X 8 Locations)



| MS | Brand/Variety | AvgYld | Moist | Coffee | Dyer | Franklin | Henry | Lake | Madison | Obion | Weakley | |
|----|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| | | bu/a | % | plant 5/2 | 5/28 | 5/21 | 6/26 | 5/16 | 5/30 | 5/28 | 6/28 | |
| A | **Terral REV-38R10 | 67.0 | 14.3 | 73.6 | 59.9 | 84.4 | 62.9 | 54.2 | 83.4 | 63.7 | 54.1 | 5 |
| A | Asgrow AG3833 GENRR2Y | 66.7 | 14.4 | 76.2 | 61.0 | 74.5 | 68.7 | 55.0 | 95.1 | 59.7 | 43.4 | 5 |
| A | Warren Seed DS 4010 | 66.0 | 14.3 | 71.1 | 65.5 | 66.1 | 58.8 | 54.0 | 90.7 | 68.3 | 53.3 | 5 |
| A | Armor 39-R16 RR2/STS | 63.4 | 14.4 | 82.3 | 62.9 | 71.2 | 60.6 | 44.4 | 78.7 | 61.5 | 46.1 | 2 |
| | Average (bu/a) | 65.8 | 14.3 | 75.8 | 62.3 | 74.1 | 62.7 | 51.9 | 87.0 | 63.3 | 49.2 | |

Table 10. Yields † and disease ratings § of four Maturity Group III Roundup Ready soybean varieties evaluated in 8 Tennessee and Kentucky County Standard Tests during 2013.

| | | CST | ----- Research and Education Center at Milan ----- | | | | | | |
|-----------------------|-----------------------|-------------|--|--------------|-------------|-------------|--------|--------|--------|
| | | Avg. Yield | | | Treated † | Untreated | SCN | | |
| MS | Brand/Variety | (n=8) | Frogeye | Sudden Death | Yield | Yield | Race 2 | Race 3 | Race 5 |
| | | bu/a | | | bu/a | bu/a | | | |
| A | **Terral REV-38R10 | 67.0 | LOW | LOW-MOD | 39.9 | 36.7 | MS | S | S |
| A | Asgrow AG3833 GENRR2Y | 66.7 | MOD | LOW | 37.3 | 36.9 | - | - | - |
| A | Warren Seed DS 4010 | 66.0 | LOW | LOW | 39.3 | 33.3 | S | MR | S |
| A | Armor 39-R16 RR2/STS | 63.4 | LOW | LOW | 45.2 | 39.1 | S | MS | S |
| Average (bu/a) | | 65.8 | | | 40.4 | 36.5 | | | |

YLD= Avg. Yield @ 13% moisture.

MS= Varieties that have any MS letter in common are not statistically different in yield at the 5% level of probability.

Variety marked with an asterisk (**) was in the top performing group in 2013, 2012 and 2011.

County locations include: Coffee, Dyer, Franklin, Henry, Lake, Madison, Obion and Weakley.

† Treated plots at RECM sprayed with Quadris TOP @ 8 oz./Acre + 1% Induce @ R3 growth stage. RECM varieties planted May 28

§ Disease ratings (of unsprayed plots) for Frogeye and Sudden Death are LOW (0-10% disease), MOD (11-40% disease), HIGH (41-100%)

Disease ratings & yield data compiled by Dr. Heather Kelly from replicated plots at the Research and Education Center at Milan (RECM, which has severe disease pressure)

SCN Greenhouse Ratings compiled by Dr. Pat Donald, Research Plant Path., USDA-ARS, WTREC. Race 2 (HG Type 1.2.5.7), Race 3 (HG Type 7) and

Race 5 (HG Type 2.5.7), HS = Highly Susceptible, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant.

Table 3. Mean yields † and agronomic characteristics of eight Maturity Group III Roundup Ready soybean varieties evaluated in four environments in Tennessee during 2013.

| Brand | Variety ‡ | Avg. Yield | Moisture § (n=4) | Lodging (n=4) | Height (n=4) | Maturity (n=4) | Shattering (n=3) | Seed |
|---------------------|---------------------------|---------------------|---------------------|------------------|-----------------|-------------------|---------------------|------------------|
| | | ± Std Err. (n=4) | | | | | | Quality (n=1) |
| | | bu/a | % | Score | in. | DAP | ----- Score ----- | |
| Armor | 39-R16 (RR) | 74 ± 1 | 13.9 | 1.2 | 36 | 128 | 1.0 | 1.7 |
| Terral-REV Brand | 38R10 (RR) | 68 ± 1 | 14.0 | 1.4 | 35 | 125 | 1.2 | 1.7 |
| Steyer | 4203 R2 (RR2Y) (4E CHECK) | 67 ± 1 | 13.9 | 1.5 | 34 | 129 | 1.0 | 2.2 |
| Warren Seed | DSR-4330/R2Y (4E CHECK) | 67 ± 1 | 13.9 | 1.8 | 33 | 129 | 1.0 | 1.5 |
| Dyna-Gro | S38RY84 (RR2Y) | 66 ± 1 | 13.8 | 1.3 | 33 | 124 | 1.0 | 1.3 |
| Warren Seed | DS4010 (RR) | 66 ± 1 | 13.9 | 2.9 | 35 | 126 | 1.0 | 1.7 |
| AgBorn Genetics LLC | ABx2193 (RR) | 57 ± 2 | 13.8 | 1.8 | 36 | 127 | 1.0 | 1.8 |
| AgBorn Genetics LLC | ABx7648 (RR) | 56 ± 1 | 14.8 | 1.9 | 35 | 124 | 1.2 | 1.7 |
| Average | | 65 | 14.0 | 1.7 | 35 | 127 | 1.1 | 1.7 |

† All yields are adjusted to 13% moisture.

‡ If a trait appears inside parentheses i.e. (RR), then it is not part of the variety name.

§ Average moisture at harvest.

Lodging = 1 to 5 scale; where 1 = 95% of plants erect; 2.5 = ~50% of plants leaning at angle ≥ 45°; 5 = 95+% of plants leaning at an angle ≥ 45°.

Maturity = days after planting (DAP).

Shattering = 1 to 5 scale; where 1 = no shattering; 5 = 90+% of pods shattered.

Seed Quality = 1 to 5 scale; where 1 = < 5% of seeds show ing disease or split seed coats; 5=95+% of seed are diseased or have split seed coats.

2012 STANDARD MG IV EARLY SEASON (4.0 - 4.5 MATURITY)

RR SOYBEAN VARIETY TEST

(18 Varieties X 14 Locations)



Legend

| | |
|-------------|-----------------|
| 75.8 | Location yield |
| 75.8 | Top yield |
| 75.8 | Yield above avg |

Yields of 18 Maturity Group IV Early Roundup Ready soybean varieties in 14 County Standard Test in TN and KY during 2012.

| MS | Brand/Variety | Avg Yld | Moist | Coff | Dyer | Fran | Fult | Gibs | Henr | Hick | Hump | Lake | Laud | McCr | Obio | Robe | Weak | |
|-----|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|
| | | bu/a | % | plant 5/15 | 5/2 | 4/24 | 5/15 | 4/24 | 5/1 | 5/25 | 5/25 | 5/24 | 5/15 | 6/16 | 4/18 | 5/10 | 5/11 | |
| A | Asgrow AG4232 GENRR2Y/STS | 59.6 | 12.2 | 76.3 | 48.1 | 74.1 | 51.0 | 51.0 | 69.5 | 70.2 | 52.9 | 51.6 | 71.0 | 42.2 | 66.8 | 77.1 | 33.4 | 10 |
| AB | Armor 44-R08 RR2Y | 58.8 | 12.7 | 76.2 | 44.0 | 71.1 | 53.6 | 49.7 | 76.9 | 67.4 | 56.4 | 50.8 | 66.7 | 40.1 | 62.1 | 80.4 | 27.2 | 12 |
| ABC | Steyer 4203 R2 | 57.3 | 12.7 | 73.3 | 40.0 | 64.6 | 57.2 | 52.8 | 76.5 | 71.7 | 53.9 | 52.5 | 59.9 | 42.1 | 59.3 | 66.5 | 32.4 | 11 |
| ABC | *Armor 46-R64 RR2Y | 57.3 | 12.2 | 75.6 | 49.2 | 67.9 | 55.8 | 56.0 | 75.4 | 65.5 | 64.7 | 54.7 | 55.0 | 37.9 | 53.9 | 64.1 | 25.9 | 9 |
| ABC | *Progeny P4510 RY/STS | 57.0 | 12.8 | 67.8 | 44.8 | 71.4 | 36.4 | 57.0 | 75.4 | 68.8 | 58.8 | 52.4 | 68.2 | 37.9 | 54.0 | 74.6 | 30.5 | 11 |
| ABC | *Armor 46-R42 RR2Y | 56.8 | 12.5 | 68.6 | 45.0 | 71.8 | 40.3 | 52.6 | 76.6 | 64.3 | 64.5 | 52.8 | 60.3 | 39.9 | 58.3 | 72.9 | 27.9 | 11 |
| ABC | Mycogen 5N451 RR2Y | 56.4 | 12.7 | 77.5 | 44.3 | 70.4 | 46.7 | 53.7 | 74.2 | 71.1 | 42.8 | 48.5 | 62.4 | 40.1 | 58.0 | 73.1 | 27.5 | 12 |
| ABC | Croplan 4391 GENRR2Y | 56.3 | 12.2 | 72.9 | 44.8 | 63.8 | 56.4 | 53.9 | 76.8 | 66.8 | 61.3 | 53.3 | 51.0 | 37.8 | 59.8 | 62.6 | 26.8 | 10 |
| BCD | Dyna-Gro 39RY43 RR2Y | 55.6 | 12.5 | 74.1 | 42.0 | 70.2 | 49.7 | 51.3 | 75.6 | 67.7 | 56.7 | 35.6 | 56.6 | 33.6 | 66.7 | 69.2 | 28.7 | 8 |
| BCD | NK Brand S41-J6 RR2Y | 55.4 | 12.4 | 67.3 | 51.8 | 68.6 | 60.3 | 51.7 | 66.6 | 67.0 | 58.5 | 47.5 | 58.4 | 39.7 | 58.6 | 56.2 | 23.6 | 10 |
| CD | Dyna-Gro 31RY45 RR2Y | 54.9 | 12.1 | 77.9 | 38.7 | 67.0 | 56.6 | 55.1 | 73.7 | 67.5 | 45.0 | 46.4 | 48.6 | 35.8 | 59.8 | 68.7 | 28.3 | 8 |
| CD | Terral REV-44R22 | 54.4 | 11.8 | 67.2 | 42.8 | 71.4 | 56.6 | 52.3 | 69.4 | 60.5 | 53.4 | 47.5 | 54.9 | 35.3 | 54.0 | 69.2 | 27.4 | 5 |
| CD | Croplan 4541 GENRR2Y | 54.3 | 12.5 | 72.3 | 45.9 | 61.2 | 43.8 | 52.6 | 78.1 | 64.4 | 61.2 | 41.9 | 68.1 | 35.9 | 51.3 | 55.6 | 27.5 | 7 |
| CD | LG Seeds C4411 R2 | 54.1 | 12.7 | 69.2 | 43.3 | 64.9 | 57.6 | 47.2 | 77.8 | 65.9 | 43.3 | 49.7 | 56.7 | 37.6 | 52.5 | 61.4 | 30.5 | 5 |
| DE | Warren/Dairyland 4300 RR | 52.4 | 12.1 | 73.6 | 43.1 | 58.3 | 49.9 | 53.7 | 72.9 | 67.2 | 50.5 | 30.6 | 54.5 | 37.9 | 50.3 | 64.7 | 26.0 | 4 |
| DE | Warren/Dairyland 4343 R2Y | 52.2 | 12.1 | 67.8 | 37.8 | 61.5 | 53.6 | 45.5 | 68.7 | 59.5 | 53.6 | 51.9 | 52.3 | 38.0 | 53.1 | 62.4 | 25.4 | 3 |
| DE | Ag Venture 43A2 RR/STS | 52.1 | 12.3 | 73.8 | 39.4 | 72.1 | 51.7 | 47.4 | 72.7 | 66.6 | 48.2 | 36.4 | 54.5 | 31.7 | 53.4 | 59.4 | 22.3 | 4 |
| E | NK Brand S44-K7 RR/STS | 50.4 | 12.2 | 65.8 | 42.1 | 65.9 | 47.7 | 47.7 | 68.6 | 55.1 | 51.9 | 47.8 | 42.7 | 37.9 | 49.8 | 59.0 | 23.1 | 2 |
| | Average (bu/a) | 55.3 | 12.4 | 72.1 | 43.7 | 67.6 | 51.4 | 51.7 | 73.6 | 65.9 | 54.3 | 47.3 | 57.9 | 37.8 | 56.8 | 66.5 | 27.5 | |

2013 STANDARD MG IV EARLY SEASON (4.0 - 4.5 MATURITY)

RR SOYBEAN VARIETY TEST

(14 Varieties X 12 Locations)



| MS | Brand/Variety | AvgYld | Moist | Cann | Coff | Dyer | Fran | Henr | Hick | Lake | Lawr | Madi | Obio | Tipt | Weak | |
|-----|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|
| | | bu/a | % | plant5/30 | 5/2 | 5/28 | 5/21 | 6/24 | 6/14 | 5/14 | 6/28 | 5/30 | 5/28 | 6/21 | 7/8 | |
| A | *Mycogen 5N451 RR2Y | 70.6 | 13.4 | 70.8 | 76.8 | 64.7 | 80.7 | 77.6 | 74.5 | 73.6 | 65.5 | 79.2 | 61.6 | 69.1 | 53.4 | 8 |
| AB | Dyna-Gro 39RY43 RR2Y | 70.2 | 13.0 | 75.1 | 81.9 | 65.3 | 74.5 | 72.2 | 74.2 | 72.1 | 64.1 | 84.1 | 63.3 | 69.7 | 46.5 | 9 |
| AB | Warren Seed DS 4340 R2Y | 70.2 | 12.9 | 73.8 | 80.6 | 67.0 | 74.7 | 72.1 | 71.8 | 74.5 | 57.0 | 90.0 | 67.4 | 67.7 | 46.3 | 9 |
| AB | Dyna-Gro 31RY45 RR2Y | 70.1 | 13.2 | 64.9 | 82.5 | 64.7 | 75.1 | 75.0 | 71.8 | 59.4 | 63.1 | 95.5 | 71.6 | 66.6 | 51.3 | 9 |
| AB | Asgrow AG4433 GENRR2Y | 70.1 | 13.5 | 80.7 | 72.7 | 59.3 | 80.4 | 76.2 | 73.3 | 69.5 | 67.3 | 84.6 | 61.8 | 65.7 | 49.7 | 9 |
| AB | *Asgrow AG4232 GENRR2Y/STS | 69.6 | 13.4 | 74.7 | 75.0 | 66.9 | 77.3 | 70.1 | 68.6 | 68.3 | 63.4 | 79.2 | 74.7 | 66.8 | 50.3 | 9 |
| AB | *Armor 44-R08 RR2Y | 69.5 | 13.1 | 72.4 | 82.4 | 66.6 | 76.9 | 62.3 | 71.5 | 74.5 | 64.7 | 82.2 | 66.6 | 67.3 | 46.4 | 10 |
| AB | *Croplan 4391 GENRR2Y | 69.2 | 13.1 | 79.2 | 78.6 | 65.9 | 81.8 | 65.8 | 73.1 | 68.7 | 63.5 | 81.1 | 66.0 | 64.4 | 42.2 | 8 |
| ABC | Ag South GeneticsAGS45R212 | 67.3 | 13.3 | 70.4 | 76.5 | 64.5 | 86.4 | 67.8 | 72.6 | 53.7 | 63.1 | 73.3 | 69.5 | 63.5 | 46.3 | 5 |
| BC | Progeny P4510 RY/STS | 66.9 | 13.1 | 74.4 | 81.2 | 58.0 | 60.6 | 73.7 | 68.9 | 59.5 | 64.8 | 77.0 | 63.7 | 64.6 | 56.0 | 5 |
| C | USG 74D32 RR2Y | 65.3 | 13.2 | 71.4 | 77.1 | 61.1 | 67.5 | 67.5 | 59.3 | 61.4 | 58.5 | 87.5 | 59.5 | 64.5 | 47.7 | 2 |
| C | Armor 45-R60 RR2/STS | 64.8 | 13.5 | 63.3 | 73.7 | 62.6 | 88.5 | 59.4 | 66.1 | 56.2 | 59.9 | 79.3 | 59.6 | 61.2 | 48.4 | 2 |
| C | USG 74F12 RR2Y | 64.6 | 13.1 | 69.4 | 79.2 | 66.6 | 67.9 | 59.7 | 63.3 | 63.7 | 56.2 | 85.6 | 57.9 | 65.1 | 40.3 | 3 |
| C | Schillinger 458.RCS | 63.6 | 13.3 | 71.2 | 77.5 | 60.4 | 68.3 | 64.0 | 67.2 | 60.8 | 55.2 | 71.1 | 63.9 | 62.9 | 41.2 | |
| | Average (bu/a) | 68.0 | 13.2 | 72.3 | 78.3 | 63.8 | 75.8 | 68.8 | 69.7 | 65.4 | 61.9 | 82.1 | 64.8 | 65.6 | 47.6 | |

Table 20. Yields † and disease ratings § of 14 early Maturity Group IV (4.0 - 4.5) Roundup Ready soybean varieties evaluated in 12 Tennessee and Kentucky County Standard Tests during 2013.

| | | CST | Research and Education Center at Milan (RECM) and Jackson (WTREC) | | | | | | | | |
|-----------------------|-----------------------------|-------------|---|--------------|-------------|-------------|-------------|-------------|--------|--------|--------|
| | | Avg. Yield | Frogeye | RECM Yield | | WTREC Yield | | SCN | | | |
| MS | Brand/Variety | (n=12) | RECM/WTREC | Sudden Death | Treated ¶ | Untreated | Treated ¶ | Untreated | Race 2 | Race 3 | Race 5 |
| | | bu/a | | | | | bu/a | bu/a | | | |
| A | Mycogen 5N451 RR2Y* | 70.6 | LOW/LOW | LOW-MOD | 45.3 | 41.7 | 52.0 | 50.8 | S | MS | S |
| AB | Dyna-Gro 39RY43 RR2Y | 70.2 | MOD/LOW | LOW | 35.6 | 33.5 | 52.3 | 40.9 | MS | S | S |
| AB | Warren Seed DS 4340 R2Y | 70.2 | MOD/LOW | LOW | 34.7 | 33.8 | 48.2 | 39.1 | S | MS | S |
| AB | Dyna-Gro 31RY45 RR2Y | 70.1 | LOW/LOW | LOW-MOD | 43.2 | 41.3 | 57.0 | 54.0 | MS | MS | S |
| AB | Asgrow AG4433 GENRR2Y | 70.1 | MOD/MOD | LOW | 39.3 | 31.2 | 50.6 | 47.6 | S | S | S |
| AB | Asgrow AG4232 GENRR2Y/STS* | 69.6 | MOD/MOD | LOW-HIGH | 45.1 | 44.7 | 59.8 | 51.7 | S | MS | S |
| AB | Armor 44-R08 RR2Y* | 69.5 | MOD/LOW | LOW-HIGH | 40.2 | 34.1 | 53.3 | 48.6 | S | MS | S |
| AB | Croplan 4391 GENRR2Y* | 69.2 | MOD/LOW | LOW | 37.2 | 33.8 | 53.8 | 49.1 | S | S | MS |
| ABC | Ag South Genetics AGS45R212 | 67.3 | LOW/LOW | LOW | 42.4 | 43.9 | 49.7 | 39.8 | S | S | S |
| BC | Progeny P4510 RY/STS | 66.9 | MOD/MOD | LOW | 41.3 | 38.4 | 58.9 | 51.8 | S | MS | MS |
| C | USG 74D32 RR2Y | 65.3 | LOW/LOW | LOW | 36.6 | 33.3 | 47.3 | 44.9 | S | S | MR |
| C | Armor 45-R60 RR2/STS | 64.8 | LOW/LOW | LOW-HIGH | 44.0 | 42.4 | 50.7 | 50.0 | S | MS | S |
| C | USG 74F12 RR2Y | 64.6 | LOW/LOW | LOW | 36.3 | 37.4 | 44.2 | 47.7 | S | MS | S |
| C | Schillinger 458.RCS | 63.6 | MOD/LOW | LOW | 46.0 | 40.5 | 47.0 | 45.1 | MS | MS | S |
| Average (bu/a) | | 68.0 | | | 40.5 | 37.9 | 51.8 | 47.2 | | | |

Table 12. Mean yields † and agronomic characteristics of 34 Early Maturity Group IV (4.0 - 4.5) Roundup Ready soybean varieties evaluated in five environments in Tennessee during 2013.

| Brand | Variety ‡ | Avg. Yield | Moisture § (n=5) | Lodging (n=5) | Height (n=5) | Maturity (n=5) | Shattering (n=3) | Seed Quality (n=1) |
|---------------------|----------------------|---------------------|---------------------|------------------|-----------------|-------------------|---------------------|--------------------------|
| | | ± Std Err. (n=5) | | | | | | |
| | | bu/a | % | Score | in. | DAP | ----- Score ----- | |
| AGSouth Genetics | AGS 43R212 (RR2Y) | 64 ± 2 | 13.9 | 1.7 | 38 | 132 | 1.0 | 3.8 |
| Progeny | 4211 RY (RR2Y) | 63 ± 2 | 14.4 | 1.9 | 35 | 128 | 1.0 | 1.8 |
| Asgrow | AG4534 (RR2Y/STS) | 62 ± 2 | 13.7 | 2.0 | 39 | 131 | 1.0 | 3.2 |
| USG | 74F53R (RR2Y/STS) | 61 ± 2 | 15.5 | 2.1 | 38 | 128 | 1.0 | 2.3 |
| Dyna-Gro | 39RY43 (RR2Y) | 61 ± 2 | 14.3 | 1.8 | 35 | 129 | 1.0 | 1.8 |
| Mycogen | 5N431R2 | 60 ± 2 | 14.7 | 1.9 | 36 | 129 | 1.0 | 2.5 |
| Warren Seed | DSR-4633/R2Y | 60 ± 2 | 13.9 | 1.5 | 38 | 128 | 1.0 | 1.8 |
| LG Seeds | C4544R2 | 60 ± 2 | 14.7 | 1.9 | 39 | 129 | 1.0 | 2.2 |
| Dyna-Gro | 31RY45 (RR2Y) | 60 ± 2 | 14.2 | 1.6 | 37 | 127 | 1.0 | 2.2 |
| Schillinger Seed | 458 RCS | 60 ± 2 | 14.4 | 1.8 | 39 | 132 | 1.0 | 2.7 |
| Mycogen | 5N451R2 | 60 ± 2 | 14.6 | 1.8 | 36 | 127 | 1.0 | 1.5 |
| Armor | 44-R08 (RR2Y) | 60 ± 2 | 14.6 | 1.9 | 35 | 128 | 1.0 | 2.2 |
| Progeny | 4510 RY (RR2Y/STS) | 60 ± 2 | 14.3 | 1.7 | 36 | 128 | 1.0 | 2.5 |
| Steyer | 4501 R2 (RR2Y) | 59 ± 2 | 14.3 | 1.7 | 35 | 128 | 1.0 | 1.8 |
| Warren Seed | DS4330 R2Y | 59 ± 2 | 14.7 | 2.0 | 34 | 131 | 1.0 | 1.7 |
| AgBorn Genetics LLC | ABx71141 | 59 ± 2 | 14.8 | 1.9 | 40 | 131 | 1.0 | 2.8 |
| Morsoy Xtra | R2 44X82 | 59 ± 2 | 14.3 | 1.4 | 35 | 131 | 1.0 | 1.8 |
| Croplan | RT 47995 (RR) | 58 ± 2 | 14.4 | 1.7 | 35 | 127 | 1.0 | 1.5 |
| Steyer | 4203 R2 (RR2Y) | 58 ± 2 | 14.5 | 1.7 | 34 | 129 | 1.0 | 1.8 |
| NK | S 41-J6 (RR2Y) | 58 ± 2 | 14.1 | 1.9 | 36 | 128 | 1.0 | 2.5 |
| USG | 74A33R (RR2Y) | 58 ± 2 | 14.6 | 2.0 | 33 | 131 | 1.0 | 2.0 |
| AGSouth Genetics | AGS 45R212 (RR2Y) | 58 ± 2 | 14.1 | 2.0 | 40 | 132 | 1.0 | 2.2 |
| Asgrow | AG4433 GENRR2Y | 58 ± 2 | 14.8 | 1.6 | 38 | 131 | 1.0 | 2.2 |
| Asgrow | AG4232 GENRR2Y (STS) | 57 ± 2 | 14.7 | 2.0 | 37 | 127 | 1.0 | 2.5 |
| Armor | X1401 (RR2) | 57 ± 2 | 14.0 | 1.4 | 34 | 130 | 1.0 | 2.5 |
| Beck's Hybrids | 418NR (RR) | 57 ± 2 | 14.0 | 1.6 | 36 | 126 | 1.0 | 2.5 |
| Dyna-Gro | S44RS93 (RR2Y/STS) | 56 ± 2 | 14.0 | 1.4 | 31 | 126 | 1.0 | 1.5 |
| Armor | 45-R60 (RR2Y/STS) | 56 ± 2 | 14.3 | 1.4 | 33 | 125 | 1.0 | 1.7 |
| AgBorn Genetics LLC | ABx0448 (RR) | 56 ± 2 | 14.4 | 2.4 | 39 | 130 | 1.0 | 2.0 |
| Steyer | 4401R2 | 56 ± 2 | 14.3 | 1.4 | 32 | 125 | 1.1 | 2.0 |
| Mycogen | 5N423R2 | 56 ± 2 | 14.4 | 1.4 | 36 | 126 | 1.0 | 2.2 |
| Beck's Hybrids | 444NR (RR) | 56 ± 2 | 14.4 | 1.8 | 36 | 128 | 1.0 | 2.7 |
| Progeny | 4313 RY | 55 ± 2 | 15.0 | 2.0 | 33 | 131 | 1.0 | 2.5 |

2012 STANDARD GROUP IV LATE SEASON (4.6 - 4.9 MATURITY)

RR SOYBEAN VARIETY TEST

(29 Varieties X 17 Locations)

Legend

| | |
|-------------|-----------------|
| 75.8 | Location yield |
| 75.8 | Top yield |
| 75.8 | Yield above avg |



Yields of 29 Maturity Group IV Late (4.6 - 4.9) Roundup Ready soybean varieties in 17 County Standard Test in TN and KY during 2012.

| MS | Brand/Variety | AvgYld | Moist | Coff | Deca | Dyer | Faye | Fran | Fult | Gibs | Henr | Lake | Laud | Madi | Mari | McCr | Mont | Obio | Robe | Weak | |
|---------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|
| | | bu/a | % | plant5/15 | 5/30 | 5/3 | 6/14 | 5/16 | 5/15 | 4/24 | 6/15 | 5/24 | 5/15 | 4/25 | 4/23 | 6/6 | 6/11 | 4/18 | 6/20 | 6/6 | |
| A | Armor 47-R17 RR2Y | 53.3 | 12.1 | 74.0 | 77.0 | 55.2 | 46.4 | 75.8 | 34.7 | 58.2 | 48.9 | 45.1 | 25.4 | 48.0 | 71.2 | 41.8 | 53.4 | 55.3 | 53.9 | 41.5 | 11 |
| AB | Warren/Dairyland 4850 R2Y/STS | 52.1 | 12.3 | 64.6 | 70.0 | 51.4 | 57.2 | 66.3 | 34.6 | 59.5 | 56.2 | 41.1 | 34.2 | 39.2 | 67.5 | 42.2 | 50.5 | 45.6 | 56.5 | 49.5 | 13 |
| ABC | *Armor 48-R91 RR2Y/STS | 51.6 | 12.1 | 70.4 | 73.3 | 51.9 | 56.2 | 67.4 | 38.3 | 63.1 | 54.3 | 30.5 | 27.8 | 54.3 | 63.4 | 38.0 | 39.1 | 58.2 | 46.8 | 44.4 | 14 |
| ABC | Progeny P4710 RY/STS | 51.5 | 11.8 | 58.2 | 59.7 | 49.2 | 55.8 | 67.3 | 40.4 | 62.9 | 51.1 | 42.4 | 33.2 | 63.3 | 72.6 | 38.7 | 34.1 | 46.0 | 53.8 | 46.7 | 12 |
| ABCD | Hornbeck HBK R4924 | 50.9 | 12.2 | 64.5 | 57.9 | 54.5 | 51.0 | 62.8 | 45.4 | 62.8 | 47.8 | 40.9 | 32.6 | 58.5 | 64.3 | 36.6 | 41.7 | 49.6 | 48.7 | 45.7 | 9 |
| ABCDE | **Schillinger 4990RC | 50.6 | 12.3 | 67.2 | 64.7 | 55.4 | 39.5 | 65.0 | 41.6 | 64.1 | 48.0 | 46.9 | 25.3 | 58.0 | 66.5 | 41.0 | 31.8 | 58.5 | 43.1 | 43.7 | 9 |
| ABCDEF | Croplan 4801S GENRR2Y/STS | 50.4 | 12.2 | 66.5 | 71.4 | 53.7 | 49.3 | 70.6 | 29.5 | 55.1 | 51.7 | 36.3 | 26.7 | 48.9 | 73.4 | 38.2 | 40.6 | 50.8 | 51.5 | 43.5 | 10 |
| ABCDEFG | Dyna-Gro 33RY47 RR2Y/STS | 50.3 | 12.1 | 71.0 | 72.2 | 50.7 | 45.8 | 65.9 | 36.2 | 52.3 | 49.6 | 41.6 | 27.0 | 52.4 | 73.4 | 32.2 | 43.9 | 52.3 | 47.7 | 41.3 | 10 |
| BCDEFG | NK Brand S49-F8 RR | 50.1 | 12.2 | 66.2 | 62.3 | 49.2 | 45.7 | 64.9 | 39.6 | 60.2 | 52.4 | 38.8 | 27.5 | 60.5 | 73.1 | 37.0 | 29.6 | 48.6 | 49.6 | 46.0 | 10 |
| BCDEFG | Mycogen 5N478 RR2Y | 50.0 | 12.1 | 72.1 | 78.1 | 53.4 | 46.1 | 65.4 | 32.5 | 53.5 | 52.8 | 37.8 | 28.5 | 50.4 | 62.4 | 33.3 | 38.9 | 52.1 | 49.2 | 42.9 | 9 |
| BCDEFGH | Warren/Dairyland 4633 R2Y | 49.8 | 11.8 | 76.6 | 69.0 | 52.2 | 43.0 | 65.2 | 31.8 | 52.5 | 53.7 | 40.5 | 21.7 | 47.6 | 67.3 | 39.5 | 40.7 | 52.1 | 48.9 | 44.5 | 12 |
| BCDEFGH | Asgrow AG4832 GENRR2Y/STS | 49.7 | 12.5 | 65.9 | 67.6 | 48.7 | 46.9 | 63.9 | 40.0 | 54.7 | 49.0 | 38.4 | 20.0 | 51.5 | 67.5 | 40.6 | 43.8 | 47.1 | 52.4 | 46.2 | 11 |
| BCDEFGH | Terral REV-48R33 | 49.6 | 11.7 | 71.2 | 67.7 | 49.7 | 48.8 | 59.9 | 37.6 | 58.3 | 48.7 | 39.9 | 31.4 | 52.1 | 65.2 | 32.8 | 38.5 | 53.5 | 47.2 | 41.7 | 11 |
| BCDEFGH | Steyer 4701 R2 | 49.5 | 12.0 | 70.0 | 76.5 | 54.3 | 44.5 | 69.8 | 26.2 | 52.7 | 47.2 | 32.4 | 21.8 | 41.2 | 69.3 | 40.5 | 43.3 | 53.8 | 52.8 | 44.7 | 10 |
| BCDEFGH | MorSoy RT46X29 RR2Y/STS | 49.2 | 12.0 | 65.9 | 60.0 | 46.7 | 44.8 | 62.8 | 43.9 | 61.0 | 54.1 | 44.3 | 31.7 | 43.8 | 55.0 | 41.4 | 38.0 | 48.7 | 46.3 | 48.7 | 7 |
| CDEFGH | Terral REV-49R22 | 49.1 | 11.8 | 61.6 | 69.9 | 48.7 | 48.0 | 62.1 | 35.8 | 57.8 | 50.3 | 39.5 | 27.5 | 51.3 | 57.5 | 40.3 | 37.3 | 56.0 | 46.5 | 44.9 | 10 |
| CDEFGH | Asgrow AG4632 GENRR2Y/STS | 49.1 | 11.9 | 67.3 | 67.0 | 50.2 | 57.1 | 69.6 | 27.8 | 56.5 | 50.5 | 40.1 | 23.1 | 47.8 | 68.0 | 33.6 | 38.5 | 41.4 | 49.4 | 46.3 | 7 |
| CDEFGH | Ag Venture 47K7 | 48.9 | 11.8 | 67.6 | 65.2 | 49.9 | 39.4 | 64.9 | 39.9 | 57.3 | 54.0 | 33.0 | 25.2 | 57.0 | 62.7 | 37.3 | 36.2 | 45.7 | 52.9 | 42.5 | 6 |
| CDEFGH | Hornbeck HBK RY4721 | 48.7 | 12.1 | 68.7 | 66.0 | 54.4 | 47.9 | 61.3 | 36.6 | 58.5 | 52.4 | 31.7 | 28.6 | 47.8 | 62.3 | 37.8 | 42.8 | 44.6 | 45.3 | 41.2 | 9 |
| DEFGH | USG 74B81 R2Y | 48.5 | 12.2 | 70.4 | 62.8 | 50.4 | 55.4 | 61.6 | 27.1 | 57.8 | 49.9 | 37.6 | 23.6 | 50.6 | 63.2 | 35.3 | 32.4 | 54.6 | 47.9 | 43.9 | 5 |
| DEFGH | NK Brand S46-A1 RR2Y | 48.4 | 11.9 | 66.5 | 72.8 | 46.3 | 46.0 | 62.3 | 38.1 | 56.1 | 49.8 | 29.1 | 25.4 | 49.3 | 55.4 | 42.5 | 41.7 | 58.1 | 40.0 | 43.3 | 5 |
| DEFGH | LG Seeds C4625 R2 | 48.2 | 11.9 | 68.0 | 67.7 | 45.7 | 46.6 | 60.3 | 31.4 | 54.2 | 49.7 | 39.1 | 25.1 | 48.3 | 60.5 | 38.5 | 29.1 | 53.5 | 55.2 | 47.3 | 8 |
| DEFGH | USG 74A79 R2Y/STS | 48.2 | 12.5 | 65.9 | 67.5 | 48.1 | 42.1 | 61.4 | 42.7 | 50.6 | 49.2 | 39.0 | 31.0 | 50.5 | 64.4 | 40.7 | 31.8 | 52.2 | 44.0 | 38.7 | 6 |
| EFGH | LG Seeds C4885 R2 | 47.6 | 12.7 | 71.5 | 66.4 | 53.8 | 40.1 | 56.6 | 35.1 | 50.7 | 50.0 | 35.6 | 28.1 | 43.0 | 65.9 | 33.9 | 35.1 | 42.7 | 57.3 | 43.9 | 5 |
| FGH | Warren/Dairyland 4810 RR | 47.6 | 12.0 | 59.3 | 68.1 | 50.3 | 48.3 | 55.3 | 34.7 | 56.5 | 47.6 | 39.4 | 26.8 | 43.9 | 64.5 | 36.4 | 39.5 | 48.6 | 47.6 | 42.4 | 4 |
| FGH | Schillinger 478.RCS | 47.6 | 11.9 | 70.0 | 71.6 | 47.2 | 43.0 | 63.0 | 35.9 | 55.2 | 49.8 | 33.5 | 26.1 | 41.9 | 64.0 | 34.4 | 31.9 | 51.4 | 46.7 | 43.3 | 4 |
| GH | Croplan 4799S GENRR2Y/STS | 47.3 | 11.9 | 68.7 | 54.3 | 47.4 | 32.2 | 58.4 | 41.6 | 56.1 | 55.0 | 31.4 | 25.3 | 57.0 | 56.1 | 40.3 | 39.5 | 44.7 | 52.1 | 45.0 | 8 |
| H | Ag Venture 48K8 | 47.0 | 12.3 | 67.1 | 68.6 | 48.7 | 43.9 | 59.4 | 22.5 | 54.1 | 50.7 | 38.4 | 27.6 | 53.3 | 62.4 | 30.6 | 35.2 | 50.8 | 45.2 | 40.0 | 5 |
| H | MorSoy RT46X71 RR2Y | 46.8 | 11.9 | 67.6 | 57.9 | 49.0 | 41.4 | 57.0 | 27.8 | 54.8 | 48.9 | 39.1 | 32.9 | 59.9 | 60.6 | 34.8 | 34.5 | 47.9 | 36.1 | 45.6 | 4 |
| | Average (bu/a) | 49.4 | 12.1 | 67.7 | 67.3 | 50.6 | 46.6 | 63.7 | 35.5 | 56.8 | 50.8 | 38.0 | 27.3 | 50.7 | 64.8 | 37.6 | 38.4 | 50.5 | 48.8 | 44.1 | |

2013 STANDARD GROUP IV LATE SEASON (4.6 - 4.9 MATURITY)

RR SOYBEAN VARIETY TEST

(24 Varieties X 16 Locations)



| MS | Brand/Variety | AvgYld | Moist | Ball | Call | Coff | Deca | Dyer | Fay1 | Fay2 | Fran | Giles | Hard | Henr | Lake | Madi | Mari | Mont | Obio | |
|-------|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----|
| | | bu/a | % | plant6/22 | 6/26 | 5/2 | 6/15 | 5/28 | 6/13 | 6/12 | 5/28 | 6/28 | 6/15 | 6/24 | 5/14 | 5/14 | 5/15 | 6/26 | 5/28 | |
| A | Morsoy Xtra R2 47X12 RR2Y/STS | 61.3 | 13.0 | 55.1 | 56.3 | 70.3 | 79.6 | 62.4 | 45.0 | 44.3 | 69.6 | 48.4 | 72.1 | 66.4 | 59.5 | 72.2 | 60.5 | 56.3 | 62.4 | 10 |
| A | Armor 47-R13 RR2Y/STS | 60.4 | 13.6 | 58.9 | 53.9 | 70.5 | 82.3 | 62.8 | 31.5 | 52.6 | 71.2 | 40.6 | 58.7 | 65.0 | 60.0 | 74.6 | 73.1 | 48.4 | 62.1 | 9 |
| AB | Asgrow AG4632 GENRR2Y/STS | 60.1 | 12.9 | 50.9 | 50.1 | 84.3 | 72.9 | 58.9 | 39.9 | 55.5 | 66.8 | 42.3 | 57.0 | 60.4 | 62.2 | 74.0 | 74.8 | 49.4 | 62.4 | 9 |
| AB | Asgrow AG4933 GENRR2Y | 60.0 | 13.0 | 51.8 | 51.9 | 75.7 | 83.5 | 63.2 | 36.8 | 44.4 | 68.2 | 53.1 | 50.5 | 51.3 | 61.3 | 70.6 | 76.2 | 53.7 | 67.6 | 11 |
| ABC | ***Schillinger 4990RC | 59.7 | 12.9 | 42.0 | 48.4 | 78.6 | 68.3 | 64.5 | 45.0 | 58.0 | 67.5 | 39.2 | 67.9 | 51.3 | 57.9 | 72.9 | 68.6 | 54.4 | 70.0 | 11 |
| ABC | Dyna-Gro S48RS53 (RR2Y/STS) | 59.6 | 13.1 | 39.2 | 58.9 | 60.0 | 81.8 | 66.1 | 39.2 | 46.6 | 69.9 | 44.5 | 71.4 | 52.5 | 58.2 | 72.3 | 72.8 | 50.1 | 69.9 | 12 |
| ABC | Croplan R2C 4752S GENRR2Y/STS | 59.5 | 13.1 | 47.7 | 50.4 | 68.1 | 78.5 | 63.6 | 45.1 | 45.5 | 65.6 | 53.3 | 64.3 | 41.0 | 63.5 | 77.4 | 76.7 | 46.4 | 65.0 | 10 |
| ABCD | **Armor 48-R91 RR2Y/STS | 59.0 | 12.9 | 48.3 | 47.4 | 75.3 | 74.3 | 67.6 | 38.7 | 51.6 | 70.5 | 43.4 | 54.2 | 51.7 | 57.5 | 76.0 | 72.4 | 45.7 | 69.1 | 12 |
| ABCD | *Croplan R2C 4801S GENRR2Y/STS | 58.9 | 13.1 | 47.4 | 45.6 | 76.6 | 76.2 | 67.2 | 41.6 | 45.1 | 69.2 | 55.2 | 48.5 | 50.3 | 56.1 | 76.5 | 66.9 | 50.2 | 69.8 | 11 |
| ABCD | Progeny P4850 RY/STS | 58.9 | 13.0 | 42.6 | 48.2 | 53.6 | 78.1 | 64.2 | 35.8 | 46.9 | 60.9 | 48.1 | 74.5 | 51.1 | 61.6 | 80.7 | 74.6 | 56.0 | 65.2 | 11 |
| ABCD | Warren Seed DS 4633 R2Y | 58.8 | 12.9 | 38.1 | 47.2 | 84.5 | 67.0 | 65.1 | 40.9 | 56.7 | 73.2 | 40.4 | 67.9 | 51.0 | 66.2 | 71.2 | 59.4 | 52.4 | 60.1 | 10 |
| ABCD | Armor 48-R66 RR2Y/STS | 58.8 | 13.4 | 49.8 | 43.3 | 64.9 | 67.1 | 65.4 | 28.2 | 44.2 | 72.0 | 40.2 | 72.8 | 54.0 | 56.0 | 77.3 | 73.2 | 59.6 | 72.6 | 9 |
| ABCD | Mycogen 5N478 RR2Y/STS | 58.4 | 13.0 | 37.5 | 53.8 | 77.5 | 69.2 | 69.7 | 35.0 | 42.3 | 73.4 | 48.9 | 60.0 | 50.9 | 60.3 | 70.9 | 69.8 | 50.7 | 65.0 | 10 |
| ABCD | Morsoy Xtra R2 48X02 RR2Y | 58.1 | 13.0 | 37.3 | 47.7 | 74.7 | 74.6 | 65.7 | 30.1 | 49.3 | 66.2 | 46.6 | 59.8 | 31.7 | 66.0 | 82.6 | 73.2 | 54.0 | 69.7 | 12 |
| ABCDE | Terral REV-47R53 | 58.0 | 12.6 | 49.6 | 53.2 | 72.5 | 74.1 | 65.3 | 41.5 | 40.4 | 60.5 | 33.3 | 62.6 | 61.4 | 58.1 | 74.5 | 64.9 | 51.4 | 64.4 | 10 |
| ABCDE | Ag South Genetics AGS47R212 | 57.5 | 12.9 | 43.6 | 44.5 | 77.5 | 68.7 | 69.0 | 37.1 | 41.2 | 66.1 | 47.0 | 64.1 | 48.5 | 58.0 | 78.6 | 69.2 | 45.2 | 61.9 | 7 |
| ABCDE | Hornbeck HBK RY4620 RR2Y/STS | 57.0 | 12.8 | 51.7 | 53.2 | 80.4 | 61.0 | 61.4 | 27.9 | 32.7 | 73.8 | 40.9 | 68.6 | 58.5 | 53.9 | 66.0 | 72.1 | 50.4 | 59.7 | 8 |
| BCDEF | Progeny P4710 RY/STS | 56.0 | 12.8 | 57.0 | 35.7 | 61.8 | 73.6 | 60.7 | 37.2 | 40.8 | 61.3 | 44.2 | 59.5 | 57.6 | 57.5 | 72.7 | 68.0 | 52.2 | 56.4 | 7 |
| BCDEF | Warren Seed DS 4850 R2Y/STS | 55.9 | 13.0 | 39.1 | 46.2 | 57.8 | 82.3 | 64.7 | 38.9 | 49.8 | 67.1 | 33.1 | 66.7 | 44.0 | 56.9 | 76.9 | 57.5 | 49.5 | 64.7 | 6 |
| CDEF | USG 74A69R RR2Y | 55.6 | 13.0 | 55.7 | 50.7 | 80.5 | 55.9 | 58.8 | 37.3 | 33.4 | 63.8 | 42.7 | 62.2 | 58.1 | 63.0 | 69.4 | 43.8 | 52.5 | 62.7 | 8 |
| DEFG | Hornbeck HBK RY4721 RR2Y | 55.0 | 13.0 | 35.4 | 30.6 | 75.0 | 73.4 | 65.1 | 36.7 | 46.5 | 62.4 | 47.9 | 42.5 | 44.3 | 62.3 | 75.3 | 65.7 | 47.6 | 68.7 | 8 |
| EFG | Schillinger 4712R2 | 53.7 | 12.8 | 43.7 | 34.4 | 77.6 | 58.9 | 65.2 | 43.5 | 42.9 | 69.6 | 37.7 | 53.8 | 37.8 | 55.2 | 71.9 | 59.3 | 41.9 | 65.4 | 5 |
| FG | USG 74H92R RR2Y | 51.9 | 13.2 | 33.3 | 35.1 | 65.2 | 62.4 | 62.7 | 27.8 | 45.6 | 63.6 | 39.8 | 50.9 | 33.2 | 54.7 | 71.9 | 74.0 | 46.5 | 63.9 | 1 |
| G | Dyna-Gro S47RY13 RR2Y | 50.8 | 13.1 | 40.4 | 34.3 | 73.7 | 58.1 | 64.5 | 28.9 | 42.3 | 68.2 | 35.3 | 52.5 | 20.4 | 53.3 | 77.4 | 65.7 | 38.7 | 59.2 | 4 |
| | Average (bu/a) | 57.6 | 13.0 | 45.7 | 46.7 | 72.3 | 71.7 | 64.3 | 37.1 | 45.8 | 67.5 | 43.6 | 61.0 | 49.7 | 59.1 | 74.3 | 68.0 | 50.1 | 64.9 | |

Table 30. Yields † and disease ratings § of 24 late Maturity Group IV (4.6 - 4.9) Roundup Ready soybean varieties evaluated in 16 Tennessee and Kentucky County Standard Tests during 2013.

| | | CST | ----- Research and Education Center at Milan (RECM) and Jackson (WTREC) ----- | | | | | | | | | |
|-----------------------|--------------------------------|--------------|---|--------------|-------------|-------------|-------------|-------------|--------|--------|--------|--|
| | | Avg. | Frogeye | | RECM Yield | | WTREC Yield | | SCN | | | |
| MS | Brand/Variety | Yield (n=16) | RECM/WTREC | Sudden Death | Treated † | Untreated | Treated † | Untreated | Race 2 | Race 3 | Race 5 | |
| | | bu/a | | | | | bu/a | | | | | |
| A | Morsoy Xtra R2 47X12 RR2Y/STS | 61.3 | LOW/LOW | LOW-MOD | 41.5 | 38.2 | 55.6 | 54.6 | MS | MS | S | |
| A | Armor 47-R13 RR2Y/STS | 60.4 | LOW/LOW | LOW-HIGH | 39.4 | 38.0 | 54.4 | 54.0 | MS | S | MS | |
| AB | Asgrow AG4632 GENRR2Y/STS | 60.1 | LOW/LOW | LOW-HIGH | 44.4 | 42.0 | 53.2 | 50.8 | MS | MS | S | |
| AB | Asgrow AG4933 GENRR2Y | 60.0 | LOW/LOW | LOW | 44.6 | 42.8 | 39.4 | 42.0 | MS | S | S | |
| ABC | ***Schillinger 4990RC | 59.7 | LOW/LOW | LOW | 48.7 | 44.1 | 43.0 | 43.4 | S | MS | S | |
| ABC | Dyna-Gro S48RS53 (RR2Y/STS) | 59.6 | LOW/LOW | LOW-MOD | 42.3 | 35.5 | 53.1 | 36.0 | - | - | - | |
| ABC | Croplan R2C 4752S GENRR2Y/STS | 59.5 | MOD/LOW | LOW-MOD | 40.2 | 38.5 | 56.6 | 45.4 | MS | MS | S | |
| ABCD | **Armor 48-R91 RR2Y/STS | 59.0 | LOW/LOW | LOW-MOD | 42.8 | 44.3 | 53.5 | 48.9 | MS | MS | S | |
| ABCD | *Croplan R2C 4801S GENRR2Y/STS | 58.9 | LOW/LOW | LOW-MOD | 42.0 | 41.4 | 50.3 | 51.1 | MS | MS | S | |
| ABCD | Progeny P4850 RY/STS | 58.9 | LOW/LOW | LOW-MOD | 39.7 | 34.1 | 56.3 | 52.6 | MS | MS | MS | |
| ABCD | Warren Seed DS 4633 R2Y | 58.8 | LOW/LOW | LOW | 43.5 | 42.2 | 38.4 | 38.8 | MS | MR | S | |
| ABCD | Armor 48-R66 RR2Y/STS | 58.8 | MOD/LOW | LOW | 41.7 | 38.5 | 54.3 | 54.8 | MS | MS | S | |
| ABCD | Mycogen 5N478 RR2Y/STS | 58.4 | LOW/LOW | LOW-HIGH | 40.9 | 37.4 | 52.6 | 32.4 | S | MS | S | |
| ABCD | Morsoy Xtra R2 48X02 RR2Y | 58.1 | MOD/LOW | LOW | 43.8 | 39.0 | 48.9 | 47.1 | - | - | - | |
| ABCDE | Terral REV-47R53 | 58.0 | LOW/LOW | LOW-HIGH | 40.2 | 38.2 | 52.3 | 47.5 | MS | MS | S | |
| ABCDE | Ag South Genetics AGS47R212 | 57.5 | LOW/LOW | LOW | 43.3 | 42.5 | 47.9 | 43.0 | MS | MS | S | |
| ABCDE | Hornbeck HBK RY4620 RR2Y/STS | 57.0 | MOD/MOD | LOW-MOD | 36.6 | 36.6 | 44.6 | 46.5 | MS | S | S | |
| BCDEF | Progeny P4710 RY/STS | 56.0 | MOD/LOW | LOW-HIGH | 35.7 | 32.9 | 51.7 | 52.8 | S | MR | S | |
| BCDEF | Warren Seed DS 4850 R2Y/STS | 55.9 | MOD/LOW | LOW-MOD | 39.0 | 35.5 | 54.8 | 52.4 | - | - | - | |
| CDEF | USG 74A69R RR2Y | 55.6 | MOD/MOD | LOW | 38.2 | 35.2 | 54.1 | 49.2 | MS | MS | S | |
| DEFG | Hornbeck HBK RY4721 RR2Y | 55.0 | LOW/LOW | LOW | 39.7 | 39.7 | 49.2 | 46.5 | - | - | - | |
| EFG | Schillinger 4712R2 | 53.7 | MOD/LOW | LOW-MOD | 34.7 | 33.4 | 46.6 | 42.3 | MS | MS | S | |
| FG | USG 74H92R RR2Y | 51.9 | MOD/LOW | LOW-MOD | 40.0 | 33.4 | 39.6 | 42.2 | S | MS | S | |
| G | Dyna-Gro S47RY13 RR2Y | 50.8 | MOD/LOW | LOW | 42.3 | 38.1 | 35.4 | 39.3 | MS | MS | MS | |
| Average (bu/a) | | 57.6 | | | 41.0 | 38.4 | 49.4 | 46.4 | | | | |

2012 STANDARD GROUP IV LATE SEASON (4.6 - 4.9 MATURITY)

SOYBEAN VARIETY & DISEASE CHARACTERISTICS

(29 Varieties X 17 Locations)



(Summary of 17 County Standardized Test) (Disease Ratings & Yield from Research & Education Center, Mila

| MS | Brand/Variety | AvgYld | Moist | Frogeye | Stem Canker | RECM | RECM | SCN - 2012 | | |
|---------|-------------------------------|-------------|-------------|----------------|-------------|-------------|-------------|------------|--------|--------------|
| | | bu/a | % | RECM/Dyersburg | 2012 | *Treated | Untreated | Race 2 | Race 3 | Race 5 |
| A | Armor 47-R17 RR2Y | 53.3 | 12.1 | 0.0 / 0.0 | 0.3 | 50.8 | 47.9 | S | MS | HS |
| AB | Warren/Dairyland 4850 R2Y/STS | 52.1 | 12.3 | NA | NA | NA | NA | NA | NA | NA |
| ABC | *Armor 48-R91 RR2Y/STS | 51.6 | 12.1 | 0.3 / 0.0 | 0.0 | 45.0 | 45.8 | HS | MR | HS |
| ABC | Progeny P4710 RY/STS | 51.5 | 11.8 | 3.8 / 3.0 | 7.8 | 39.5 | 37.5 | HS | HS | HS |
| ABCD | Hornbeck HBK R4924 | 50.9 | 12.2 | 3.3 / 4.7 | 0.0 | 45.8 | 42.2 | HS | MS | HS |
| ABCDE | **Schillinger 4990RC | 50.6 | 12.3 | 0.3 / 0.3 | 0.0 | 44.5 | 49.6 | S | MR | HS |
| ABCDEF | Croplan 4801S GENRR2Y/STS | 50.4 | 12.2 | 0.0 / 1.7 | 0.0 | 44.3 | 46.3 | S | MS | HS |
| ABCDEFG | Dyna-Gro 33RY47 RR2Y/STS | 50.3 | 12.1 | 0.3 / 0.0 | 0.0 | 45.1 | 46.7 | HS | S | HS |
| BCDEFG | NK Brand S49-F8 RR | 50.1 | 12.2 | 0.0 / 0.0 | 0.0 | 44.9 | 46.0 | HS | MR | HS |
| BCDEFG | Mycogen 5N478 RR2Y | 50.0 | 12.1 | 1.0 / 0.3 | 0.0 | 47.0 | 49.7 | HS | MR | HS |
| BCDEFGH | Warren/Dairyland 4633 R2Y | 49.8 | 11.8 | 0.0 / 0.0 | 0.0 | 48.0 | 50.5 | S | HS | HS |
| BCDEFGH | Asgrow AG4832 GENRR2Y/STS | 49.7 | 12.5 | 7.0 / 5.7 | 0.0 | 45.3 | 45.1 | HS | MR | HS |
| BCDEFGH | Terral REV-48R33 | 49.6 | 11.7 | 0.0 / 0.0 | 0.0 | 42.5 | 44.0 | HS | MS | HS |
| BCDEFGH | Steyer 4701 R2 | 49.5 | 12.0 | 0.0 / 1.0 | 0.0 | 47.9 | 47.4 | MS | HS | HS |
| BCDEFGH | MorSoy RT46X29 RR2Y/STS | 49.2 | 12.0 | 6.8 / 7.0 | 4.5 | 41.5 | 41.2 | HS | S | HS |
| CDEFGH | Terral REV-49R22 | 49.1 | 11.8 | 4.8 / 2.7 | 0.0 | 43.3 | 41.7 | S | MR | HS |
| CDEFGH | Asgrow AG4632 GENRR2Y/STS | 49.1 | 11.9 | 0.0 / 0.3 | 0.0 | 44.9 | 47.8 | HS | HS | HS |
| CDEFGH | Ag Venture 47K7 | 48.9 | 11.8 | 0.0 / 0.0 | 0.0 | 44.9 | 46.3 | S | S | HS |
| CDEFGH | Hornbeck HBK RY4721 | 48.7 | 12.1 | 0.3 / 1.3 | 0.3 | 46.9 | 49.3 | HS | S | HS |
| DEFGH | USG 74B81 R2Y | 48.5 | 12.2 | 6.5 / 4.7 | 0.0 | 43.8 | 40.4 | HS | MR | HS |
| DEFGH | NK Brand S46-A1 RR2Y | 48.4 | 11.9 | 7.8 / 7.3 | 0.0 | 45.3 | 40.4 | HS | MR | HS |
| DEFGH | LG Seeds C4625 R2 | 48.2 | 11.9 | NA | NA | NA | NA | NA | NA | NA |
| DEFGH | USG 74A79 R2Y/STS | 48.2 | 12.5 | 5.0 / 5.7 | 4.5 | 40.1 | 39.8 | HS | HS | HS |
| EFGH | LG Seeds C4885 R2 | 47.6 | 12.7 | 7.3 / 4.7 | 0.0 | 48.9 | 42.9 | HS | MS | HS |
| FGH | Warren/Dairyland 4810 RR | 47.6 | 12.0 | 0.8 / 0.3 | 0.0 | 43.6 | 45.6 | HS | S | HS |
| FGH | Schillinger 478.RCS | 47.6 | 11.9 | 6.5 / 4.3 | 0.0 | 40.1 | 37.1 | HS | MR | HS |
| GH | Croplan 4799S GENRR2Y/STS | 47.3 | 11.9 | 3.8 / 6.0 | 2.5 | 40.0 | 44.3 | HS | HS | HS |
| H | Ag Venture 48K8 | 47.0 | 12.3 | 0.0 / 0.0 | 0.0 | 42.6 | 46.3 | S | MS | HS |
| H | MorSoy RT46X71 RR2Y | 46.8 | 11.9 | 0.0 / 0.0 | 0.0 | 45.7 | 47.1 | HS | MS | HS |
| | Average (bu/a) | 49.4 | 12.1 | | | 44.5 | 44.8 | | | 23 HS |

Table 21. Mean yields † and agronomic characteristics of 75 Late Maturity Group IV (4.6 - 4.9) Roundup Ready soybean varieties evaluated in five environments in Tennessee in 2013.

| Brand | Variety ‡ | Avg. Yield | Moisture § | Lodging | Height | Maturity | Shattering | Seed Quality |
|----------------------------|------------------------|---------------------|------------|---------|--------|----------|-------------------|--------------|
| | | ± Std Err. (n=5) | (n=5) | (n=4) | (n=4) | (n=4) | (n=3) | (n=1) |
| | | bu/a | % | Score | in. | DAP | ----- Score ----- | |
| Morsoy Xtra Warren Seed | R2 47X12 (STS) | 66 ± 1 | 15.3 | 1.6 | 41 | 132 | 1.0 | 2.0 |
| | DSR-4850/R2Y (STS) | 63 ± 1 | 15.4 | 1.7 | 41 | 132 | 1.1 | 1.8 |
| Delta Grow | 4765 R2Y | 63 ± 1 | 14.9 | 1.7 | 39 | 131 | 1.1 | 2.5 |
| Progeny | 4850 RY | 63 ± 1 | 15.4 | 1.6 | 42 | 132 | 1.0 | 2.3 |
| Mycogen | 5N478R2 | 63 ± 1 | 15.0 | 1.7 | 40 | 131 | 1.0 | 2.5 |
| Armor | 48-R91 (RR2Y/STS) | 62 ± 1 | 14.8 | 1.8 | 40 | 131 | 1.0 | 2.2 |
| Croplan | R2C 4752 S | 62 ± 1 | 15.2 | 1.5 | 40 | 131 | 1.1 | 2.0 |
| Terral-REV Brand | 47R34 (RR) | 62 ± 1 | 14.6 | 2.1 | 41 | 131 | 1.0 | 2.2 |
| Progeny | 4747 RY (RR2Y) | 61 ± 1 | 14.5 | 1.7 | 37 | 130 | 1.1 | 1.7 |
| Croplan | R2C 4873 S | 61 ± 1 | 15.1 | 2.0 | 35 | 133 | 1.0 | 2.3 |
| Progeny | 4613 RY | 61 ± 1 | 14.8 | 1.9 | 39 | 132 | 1.0 | 2.7 |
| Dyna-Gro | S48RS53 (RR2Y/STS) | 61 ± 1 | 15.6 | 1.5 | 39 | 132 | 1.0 | 1.5 |
| Steyer | 4802 R2 (RR2Y/STS) | 61 ± 1 | 15.1 | 2.2 | 34 | 133 | 1.0 | 1.8 |
| Asgrow | AG4832 GENRR2Y (STS) | 61 ± 1 | 14.7 | 1.7 | 40 | 131 | 1.0 | 2.0 |
| LG Seeds | C4867R2 | 61 ± 1 | 16.0 | 2.0 | 35 | 133 | 1.0 | 2.5 |
| Caverndale Farms | 486 RR2Y/STSn | 61 ± 1 | 14.9 | 2.0 | 34 | 134 | 1.0 | 2.3 |
| LG Seeds | C4780R2 | 60 ± 1 | 15.2 | 1.5 | 39 | 131 | 1.0 | 1.5 |
| Schillinger Seed | 4990 RC | 60 ± 2 | 14.4 | 2.2 | 40 | 134 | 1.0 | 2.3 |
| Terral-REV Brand | 49R94 (RR) | 59 ± 1 | 14.2 | 2.0 | 38 | 131 | 1.0 | 1.5 |
| Morsoy Xtra | R2 48X02 | 59 ± 1 | 14.9 | 1.8 | 38 | 131 | 1.0 | 1.3 |
| Asgrow | AG4632 GENRR2Y (STS) | 59 ± 1 | 14.7 | 1.7 | 36 | 130 | 1.1 | 1.7 |
| Armor | 47-R13 (RR2Y/STS) | 59 ± 1 | 15.5 | 1.6 | 39 | 131 | 1.0 | 2.2 |
| Terral-REV Brand | 48R44 (RR) | 59 ± 1 | 14.9 | 1.9 | 38 | 132 | 1.0 | 1.8 |
| Hornbeck | HBK RY 4620 (RR2Y/STS) | 59 ± 1 | 15.0 | 1.6 | 35 | 129 | 1.0 | 2.0 |
| Asgrow | AG4933 GENRR2Y | 59 ± 1 | 14.8 | 1.5 | 38 | 134 | 1.0 | 2.2 |
| Armor | 48-R66 (RR2/STS) | 59 ± 1 | 15.1 | 2.0 | 34 | 133 | 1.0 | 2.2 |
| USG | 74B83R (RR2Y/STS) | 59 ± 1 | 15.3 | 1.9 | 35 | 132 | 1.0 | 1.8 |
| Terral-REV Brand | 46R64 (RR) | 59 ± 1 | 14.6 | 1.9 | 38 | 131 | 1.0 | 2.2 |
| Hornbeck | HBK RY 4721 (RR2Y) | 59 ± 1 | 14.8 | 1.7 | 41 | 131 | 1.0 | 2.3 |
| Delta Grow | 4825 R2Y/STS | 58 ± 1 | 15.1 | 2.0 | 35 | 133 | 1.0 | 2.7 |
| USG | 74A79R (RR2Y/STS) | 58 ± 1 | 14.7 | 1.8 | 35 | 129 | 1.0 | 2.8 |
| Asgrow | AG4934 (RR2Y/STS) | 58 ± 1 | 14.7 | 1.5 | 39 | 132 | 1.0 | 2.3 |
| Delta Grow | 4670 R2Y | 58 ± 1 | 14.4 | 1.8 | 37 | 129 | 1.0 | 1.3 |
| Delta Grow | 4755 R2Y | 58 ± 1 | 14.8 | 1.7 | 37 | 131 | 1.1 | 1.3 |
| Beck's Hybrids | 477NR (RR) | 58 ± 1 | 13.9 | 2.0 | 40 | 132 | 1.0 | 3.0 |
| Steyer | 4702 R2 (RR2Y) | 58 ± 1 | 14.5 | 1.9 | 37 | 131 | 1.0 | 1.8 |
| Terral-REV Brand | 48R33 (RR) | 57 ± 1 | 14.8 | 2.0 | 40 | 131 | 1.0 | 2.0 |
| Progeny | 4710 RY (RR2Y/STS) | 57 ± 1 | 14.8 | 1.9 | 37 | 131 | 1.0 | 1.3 |

2012 STANDARD MG V EARLY SEASON (5.0 - 5.5 MATURITY) RR SOYBEAN VARIETY TEST

(15 Varieties X 10 Locations)

Legend

| | |
|-------------|-----------------|
| 75.8 | Location yield |
| 75.8 | Top yield |
| 75.8 | Yield above avg |



Yields of 15 Maturity Group V Early Roundup Ready soybean varieties in 10 County Standard Test in TN & KY during 2012.

| MS | Brand/Variety | AvgYld | Moist | Carlisle | Coffee | Crockett | Dyer | Fayette | Franklin | Gibson | Lake | Obio | Shelby | |
|-----|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| | | bu/a | % | plant 6/12 | 5/15 | 6/7 | 5/3 | 5/18 | 6/18 | 4/24 | 5/23 | 5/9 | 5/4 | |
| A | *Asgrow AG5332 GENRR2Y | 55.4 | 12.0 | 50.4 | 78.2 | 61.5 | 47.9 | 42.3 | 70.1 | 65.2 | 61.0 | 40.0 | 37.8 | 8 |
| AB | **MorSoy RT5429 RR | 54.1 | 12.9 | 49.4 | 71.3 | 61.7 | 54.1 | 37.1 | 63.8 | 66.4 | 60.8 | 35.4 | 40.8 | 9 |
| AB | MorSoy 54X41 RR2Y | 53.8 | 15.2 | 53.9 | 66.2 | 65.0 | 57.1 | 37.8 | 52.5 | 71.9 | 59.3 | 31.2 | 43.0 | 7 |
| ABC | *Armor 53-R15 RR2 | 53.5 | 12.6 | 53.4 | 62.5 | 58.9 | 51.4 | 41.1 | 54.7 | 63.5 | 63.9 | 39.1 | 47.0 | 8 |
| ABC | Asgrow AG5532 GENRR2Y | 53.1 | 12.7 | 43.4 | 72.5 | 65.7 | 55.0 | 31.8 | 61.6 | 69.5 | 58.6 | 29.9 | 42.6 | 7 |
| ABC | Asgrow AG5632 GENRR2Y/STS | 52.7 | 12.3 | 49.1 | 70.6 | 51.1 | 50.0 | 39.6 | 61.3 | 62.4 | 57.2 | 32.1 | 53.8 | 3 |
| ABC | USG 75J50 R2Y | 52.4 | 12.5 | 55.3 | 59.4 | 55.1 | 54.0 | 37.8 | 63.0 | 60.1 | 58.3 | 32.1 | 48.7 | 7 |
| ABC | Croplan 5081 GENRR2Y | 52.0 | 12.1 | 50.1 | 70.5 | 56.8 | 56.9 | 38.4 | 66.4 | 58.3 | 50.8 | 34.4 | 37.4 | 5 |
| ABC | USG 75B21 R2Y | 51.4 | 11.8 | 43.9 | 77.3 | 49.8 | 48.7 | 32.0 | 65.2 | 56.8 | 61.6 | 30.7 | 48.1 | 4 |
| BC | Terral REV-51R53 | 50.9 | 12.2 | 45.0 | 74.7 | 58.4 | 51.1 | 36.1 | 57.3 | 66.0 | 60.7 | 26.3 | 33.2 | 5 |
| BC | Progeny P5111 RY | 50.8 | 12.5 | 55.7 | 74.4 | 52.2 | 49.6 | 37.0 | 60.5 | 56.3 | 52.6 | 25.1 | 44.4 | 4 |
| BC | NK Brand S51-H9 RR2Y | 50.7 | 12.1 | 53.0 | 72.2 | 54.9 | 49.4 | 36.8 | 57.2 | 59.4 | 53.3 | 31.8 | 39.4 | 3 |
| BC | Schillinger 5220.RC | 50.4 | 12.5 | 46.5 | 66.3 | 51.6 | 46.1 | 35.0 | 64.0 | 69.7 | 49.1 | 35.7 | 40.0 | 3 |
| BC | Armor X1313 RR2 | 50.3 | 12.5 | 45.9 | 75.3 | 57.3 | 46.0 | 33.2 | 62.7 | 60.1 | 55.8 | 26.8 | 39.8 | 3 |
| C | Hornbeck HBK RY5221 | 49.6 | 13.1 | 43.6 | 69.6 | 59.3 | 43.5 | 33.4 | 62.2 | 52.0 | 61.9 | 29.9 | 40.3 | 3 |
| | Average (bu/a) | 52.1 | 12.6 | 49.2 | 70.7 | 57.3 | 50.7 | 36.6 | 61.5 | 62.5 | 57.7 | 32.0 | 42.4 | |

2013 STANDARD MG V EARLY SEASON (5.0 - 5.5 MATURITY)

RR SOYBEAN VARIETY TEST

(15 Varieties X 10 Locations)



| MS | Brand/Variety | AvgYld | Moist | Carlisle | Coffee | Crock | Dyer | Faye | Frank | Lake | Madis | Shel 1 | Shel 2 | |
|-------|--------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| | | bu/a | % | plant 7/5 | 5/2 | 6/27 | 5/28 | 6/27 | 6/26 | 6/26 | 5/30 | 5/15 | 6/21 | |
| A | **Asgrow AG5332 GENRR2Y | 62.4 | 12.8 | 52.9 | 79.1 | 53.3 | 69.8 | 60.4 | 77.6 | 64.7 | 77.2 | 36.2 | 53.3 | 7 |
| A | Asgrow AG5233 GENRR2Y | 62.0 | 13.2 | 50.7 | 74.1 | 60.7 | 69.3 | 55.3 | 73.6 | 60.7 | 72.4 | 41.5 | 61.9 | 9 |
| AB | Dyna-Gro S32RY55 RR2Y | 60.8 | 13.5 | 49.7 | 62.5 | 62.4 | 65.8 | 58.2 | 77.6 | 59.5 | 73.8 | 41.2 | 57.1 | 9 |
| ABC | Armor 55-R22 RR2 | 60.3 | 13.5 | 51.0 | 67.8 | 60.0 | 61.6 | 56.0 | 76.8 | 60.5 | 72.0 | 38.1 | 59.0 | 9 |
| ABCD | Warren Seed DS 5122 R2Y | 59.8 | 13.4 | 52.1 | 83.8 | 56.6 | 63.1 | 53.1 | 75.5 | 62.1 | 65.2 | 26.7 | 59.7 | 5 |
| ABCDE | Hornbeck HBK RY5221 RR2Y | 59.6 | 13.5 | 56.9 | 72.7 | 57.3 | 61.4 | 56.7 | 74.3 | 58.3 | 63.3 | 37.9 | 57.4 | 5 |
| ABCDE | Croplan R2C5371 GENRR2Y | 58.9 | 13.1 | 50.6 | 53.1 | 56.5 | 61.1 | 55.1 | 74.1 | 57.1 | 78.9 | 42.2 | 60.3 | 5 |
| ABCDE | *Croplan R2C5081 GENRR2Y | 58.9 | 13.3 | 46.5 | 60.2 | 55.7 | 67.4 | 55.3 | 76.3 | 61.5 | 71.3 | 45.3 | 49.4 | 6 |
| ABCDE | Progeny P5210 RY | 58.6 | 13.3 | 49.0 | 56.3 | 59.9 | 66.9 | 54.3 | 75.7 | 59.4 | 72.5 | 34.1 | 57.8 | 5 |
| BCDE | Terral REV-53R23 | 57.4 | 12.9 | 46.8 | 63.5 | 61.2 | 58.7 | 55.6 | 71.4 | 59.7 | 71.9 | 35.3 | 50.0 | 4 |
| BCDE | Terral REV-55R83 | 57.3 | 13.0 | 49.9 | 58.3 | 47.7 | 61.3 | 57.5 | 74.4 | 55.4 | 74.0 | 40.9 | 53.4 | 4 |
| BCDE | Dyna-Gro S54RY43 RR2Y | 57.1 | 13.0 | 42.2 | 65.4 | 62.7 | 64.5 | 51.7 | 76.3 | 58.3 | 66.5 | 29.0 | 54.7 | 4 |
| CDE | USG 75Q42R RR2Y | 56.5 | 13.2 | 44.7 | 64.6 | 53.0 | 64.6 | 52.8 | 76.1 | 56.5 | 64.4 | 32.0 | 56.2 | 4 |
| DE | Schillinger 5220.RC | 56.2 | 13.3 | 51.9 | 47.9 | 61.4 | 60.4 | 54.1 | 75.9 | 57.9 | 67.8 | 40.0 | 44.9 | 4 |
| E | Hornbeck HBK RY5421 RR2Y | 55.8 | 12.9 | 46.0 | 59.4 | 57.3 | 64.2 | 48.1 | 71.2 | 61.5 | 70.1 | 31.5 | 48.3 | 2 |
| | Average (bu/a) | 58.8 | 13.2 | 49.4 | 64.6 | 57.7 | 64.0 | 54.9 | 75.1 | 59.5 | 70.8 | 36.8 | 54.9 | |

Table 40. Yields † and disease ratings § of 15 early Maturity Group V (5.0 - 5.5) Roundup Ready soybean varieties evaluated in 10 Tennessee and Kentucky County Standard Tests during 2013.

| MS | Brand/Variety | CST | ----- Research and Education Center at Milan (RECM) and Jackson (WTREC)----- | | | | | | | | | |
|-----------------------|--------------------------|-------------------|--|--------------|-------------|-------------|-------------|-------------|--------|--------|--------|--|
| | | Avg. Yield (n=10) | Frogeye RECM/WTREC | Sudden Death | RECM Yield | | WTREC Yield | | SCN | | | |
| | | | | | Treated † | Untreated | Treated † | Untreated | Race 2 | Race 3 | Race 5 | |
| | | bu/a | | | bu/a | bu/a | bu/a | bu/a | | | | |
| A | **Asgrow AG5332 GENRR2Y | 62.4 | HIGH/LOW | LOW | 37.1 | 34.3 | 53.0 | 51.9 | S | S | S | |
| A | Asgrow AG5233 GENRR2Y | 62.0 | HIGH/LOW | LOW | 32.8 | 32.4 | 60.1 | 56.7 | S | MS | S | |
| AB | Dyna-Gro S32RY55 RR2Y | 60.8 | MOD/LOW | LOW | 36.4 | 30.0 | 49.0 | 47.6 | S | S | S | |
| ABC | Armor 55-R22 RR2 | 60.3 | MOD/LOW | LOW | 34.4 | 32.9 | 54.0 | 49.4 | S | MS | MR | |
| ABCD | Warren Seed DS 5122 R2Y | 59.8 | HIGH/LOW | LOW | 33.8 | 28.7 | 48.9 | 47.0 | S | S | S | |
| ABCDE | Hornbeck HBK RY5221 RR2Y | 59.6 | LOW/LOW | LOW | 27.5 | 30.3 | 43.5 | 48.6 | S | S | S | |
| ABCDE | Croplan R2C5371 GENRR2Y | 58.9 | LOW/LOW | LOW-MOD | 40.0 | 39.9 | 50.5 | 51.3 | S | S | S | |
| ABCDE | *Croplan R2C5081 GENRR2Y | 58.9 | LOW/LOW | LOW-HIGH | 42.5 | 42.2 | 45.3 | 47.0 | MS | S | MS | |
| ABCDE | Progeny P5210 RY | 58.6 | LOW/LOW | LOW-HIGH | 38.0 | 38.4 | 42.0 | 46.6 | S | MR | S | |
| BCDE | Terral REV-53R23 | 57.4 | LOW/LOW | LOW-MOD | 43.8 | 40.3 | 52.4 | 47.8 | S | MR | MR | |
| BCDE | Terral REV-55R83 | 57.3 | MOD/LOW | LOW | 37.4 | 31.4 | 49.7 | 48.2 | MS | MS | MS | |
| BCDE | Dyna-Gro S54RY43 RR2Y | 57.1 | MOD/LOW | LOW | 35.2 | 33.0 | 53.4 | 47.4 | S | MS | MS | |
| CDE | USG 75Q42R RR2Y | 56.5 | HIGH/LOW | LOW | 32.3 | 27.0 | 52.0 | 48.5 | S | MR | MS | |
| DE | Schillinger 5220.RC | 56.2 | HIGH/LOW | LOW | 28.3 | 24.6 | 53.2 | 49.8 | MS | MS | MS | |
| E | Hornbeck HBK RY5421 RR2Y | 55.8 | LOW/LOW | LOW-HIGH | 36.4 | 35.4 | 47.8 | 49.6 | S | S | MS | |
| Average (bu/a) | | 58.8 | | | 35.7 | 33.4 | 50.3 | 49.2 | | | | |

Table 30. Mean yields † and agronomic characteristics of 44 Early Maturity Group V (5.0 - 5.5) Roundup Ready soybean varieties evaluated in five environments in Tennessee during 2013.

| Brand | Variety ‡ | Avg. Yield | Moisture § (n=5) | Lodging (n=4) | Height (n=4) | Maturity (n=4) | Shattering (n=3) | Seed |
|--------------------------|----------------------|---------------------|---------------------|------------------|-----------------|-------------------|---------------------|------------------|
| | | ± Std Err. (n=5) | | | | | | Quality (n=1) |
| | | bu/a | % | Score | in. | DAP | ----- Score ----- | |
| Progeny | 5555 RY | 67 ± 2 | 13.3 | 2.0 | 40 | 142 | 1.2 | 2.2 |
| Progeny | 5213 RY | 63 ± 2 | 14.1 | 1.5 | 45 | 135 | 1.2 | 2.0 |
| Asgrow | AG5534 (RR2Y) | 62 ± 2 | 13.7 | 1.5 | 38 | 144 | 1.2 | 1.7 |
| Armor | X1413 (RR2) | 62 ± 2 | 13.9 | 1.5 | 44 | 136 | 1.2 | 2.3 |
| Asgrow | AG5233 GENRR2Y (STS) | 61 ± 2 | 14.3 | 1.9 | 38 | 135 | 1.3 | 3.3 |
| Armor | X1414 (RR2) | 61 ± 2 | 13.7 | 2.0 | 37 | 141 | 1.6 | 3.0 |
| Warren Seed | DS5122 R2Y | 60 ± 2 | 13.8 | 1.7 | 43 | 136 | 1.2 | 3.0 |
| Armor | 55-R22 (RR2Y) | 58 ± 2 | 13.7 | 1.9 | 37 | 143 | 1.4 | 2.0 |
| Dyna-Gro | 32RY55 (RR2Y) | 58 ± 2 | 13.6 | 1.9 | 37 | 143 | 1.4 | 1.7 |
| Progeny | 5333 RY | 57 ± 2 | 13.7 | 2.2 | 40 | 140 | 1.4 | 3.2 |
| Steyer | 5101R2 | 57 ± 2 | 13.7 | 1.6 | 42 | 135 | 1.2 | 2.8 |
| Croplan | R2C 5482 | 57 ± 2 | 13.8 | 2.3 | 38 | 143 | 1.3 | 3.2 |
| Morsoy Xtra | 53X82 (RR2) | 57 ± 2 | 13.9 | 2.3 | 36 | 142 | 1.4 | 3.2 |
| USG | 75J23R (RR2Y) | 57 ± 2 | 13.8 | 1.7 | 42 | 135 | 1.2 | 2.5 |
| Midwest Premium Genetics | MPG5113 (RR) | 56 ± 2 | 14.1 | 2.3 | 40 | 139 | 1.3 | 2.0 |
| LG Seeds | C5122R2 | 56 ± 2 | 13.7 | 1.6 | 42 | 136 | 1.3 | 2.7 |
| Hornbeck | HBK RY 5421 (RR2Y) | 56 ± 2 | 14.5 | 2.8 | 36 | 142 | 1.3 | 1.5 |
| Delta Grow | 5130 RR2 | 56 ± 2 | 13.8 | 1.7 | 42 | 135 | 1.2 | 2.8 |
| Progeny | 5111 RY (RR2Y) | 56 ± 2 | 14.1 | 2.1 | 36 | 138 | 1.3 | 2.0 |
| Morsoy | RT 5429 (RR) | 56 ± 2 | 13.7 | 1.8 | 38 | 143 | 1.2 | 1.7 |
| Dyna-Gro | S54RY43 (RR2Y) | 55 ± 2 | 14.0 | 2.4 | 39 | 143 | 1.4 | 2.7 |
| Armor | 53-R16 (RR2Y) | 55 ± 2 | 14.2 | 2.1 | 34 | 142 | 1.4 | 2.7 |
| Terral-REV Brand | 51R53 (RR) | 55 ± 2 | 14.0 | 2.0 | 37 | 136 | 1.3 | 3.0 |
| Beck's Hybrids | EX6160 (RR) | 54 ± 2 | 13.7 | 1.7 | 38 | 135 | 1.2 | 3.0 |
| Armor | X1410 (RR2) | 54 ± 2 | 13.9 | 2.7 | 42 | 140 | 1.3 | 1.5 |
| USG | 75Q42R (RR2Y) | 54 ± 2 | 13.8 | 2.5 | 39 | 143 | 1.4 | 2.0 |
| Hornbeck | HBK RY 5221 (RR2Y) | 54 ± 2 | 15.1 | 2.2 | 41 | 141 | 1.3 | 3.7 |
| Armor | 53-R88 (RR2Y/STS) | 54 ± 2 | 13.8 | 1.9 | 35 | 140 | 1.4 | 2.3 |
| Asgrow | AG5332 GENRR2Y | 54 ± 2 | 13.4 | 2.6 | 36 | 137 | 1.2 | 3.2 |
| NK | S 52-Y2 (RR2Y) | 53 ± 2 | 14.0 | 2.1 | 38 | 135 | 1.3 | 2.8 |
| Midwest Premium Genetics | MPG5214NRR | 53 ± 2 | 13.9 | 2.7 | 41 | 139 | 1.2 | 2.0 |
| MO Exp | S09-6201R | 52 ± 2 | 14.5 | 2.1 | 38 | 135 | 1.2 | 3.3 |
| Dyna-Gro | S53RY23 (RR2Y) | 52 ± 2 | 14.0 | 2.2 | 39 | 140 | 1.4 | 3.3 |
| TN Exp | TN09-45,905 (RR2Y) | 52 ± 2 | 13.2 | 2.6 | 36 | 140 | 1.4 | 2.2 |
| Asgrow | AG5532 GENRR2Y (STS) | 52 ± 2 | 13.4 | 1.6 | 38 | 141 | 1.4 | 2.5 |
| Terral-REV Brand | 55R53 (RR) | 51 ± 2 | 13.5 | 2.5 | 36 | 142 | 1.2 | 3.3 |
| Terral-REV Brand | 53R23 (RR) | 49 ± 2 | 13.2 | 1.4 | 31 | 139 | 1.2 | 3.7 |

2012 STANDARD MG IV LATE SEASON (4.6 - 4.9 MATURITY)

LIBERTY LINK SOYBEAN VARIETY TEST

(10 Varieties X 10 Locations)



Legend

75.8 Location yield

75.8 Top yield

75.8 Yield above avg

Yields of 10 Maturity Group IV Late (4.6 - 4.9) Liberty Link soybean varieties in 10 County Standard Test in TN & KY during 2012.

| MS | Brand/Variety/Maturity | AvgYld | Moist | Croc | Dyer | Fran | Fult | Gibs | Lak1 | Lak2 | Mrec | Obio | Shel | |
|-----|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| | | bu/a | % | plant 5/26 | 6/8 | 6/8 | 5/14 | 4/23 | 4/26 | 5/23 | 5/25 | 5/15 | 4/27 | |
| A | *Warren Seed Micah 4900LL | 55.5 | 10.9 | 50.2 | 64.2 | 54.5 | 45.7 | 63.4 | 57.7 | 59.3 | 63.5 | 65.4 | 31.0 | 6 |
| A | **Progeny 4928LL | 55.3 | 10.9 | 56.3 | 58.6 | 63.7 | 51.0 | 55.3 | 50.0 | 66.9 | 62.4 | 64.2 | 25.0 | 8 |
| AB | **USG 74G99LL | 54.9 | 10.9 | 49.1 | 60.3 | 61.5 | 48.1 | 60.2 | 50.8 | 65.9 | 65.3 | 62.8 | 24.6 | 9 |
| AB | Warren Seed Micah 4800LL | 54.8 | 11.0 | 45.1 | 56.8 | 58.5 | 49.6 | 60.6 | 52.8 | 65.2 | 65.5 | 66.5 | 27.9 | 8 |
| AB | *Stratton Seed Go-Soy 4910LL | 54.4 | 11.6 | 49.7 | 65.1 | 60.8 | 47.6 | 59.6 | 50.3 | 57.9 | 63.8 | 58.9 | 30.1 | 7 |
| ABC | *US Seeds Halo 4:94 | 53.7 | 11.0 | 40.1 | 60.6 | 60.6 | 48.7 | 59.7 | 50.7 | 60.8 | 63.2 | 65.9 | 26.7 | 7 |
| BCD | Warren Seed Micah 4600LL | 51.0 | 11.4 | 34.2 | 51.7 | 62.5 | 47.2 | 50.7 | 37.8 | 74.1 | 65.2 | 62.0 | 24.6 | 5 |
| CD | Stratton Seed Go-Soy 4810LL | 49.9 | 10.8 | 37.4 | 51.7 | 60.3 | 41.2 | 49.6 | 49.9 | 63.2 | 62.3 | 59.1 | 24.4 | 2 |
| D | US Seeds Halo 4:65 | 49.3 | 10.9 | 41.0 | 49.2 | 53.7 | 44.1 | 47.5 | 34.9 | 73.4 | 68.4 | 57.7 | 22.9 | 2 |
| D | Ag Venture 43A4 LL | 46.8 | 12.1 | 38.6 | 50.2 | 56.9 | 41.6 | 38.4 | 34.0 | 70.1 | 62.2 | 56.0 | 20.5 | 1 |
| | Average (bu/a) | 52.6 | 11.1 | 44.2 | 56.8 | 59.3 | 46.5 | 54.5 | 46.9 | 65.7 | 64.2 | 61.8 | 25.8 | |

2013 STANDARD MG IV LATE SEASON (4.6 - 5.0 MATURITY)
LIBERTY LINK SOYBEAN VARIETY TEST
 (15 Varieties X 8 Locations)



| MS | Brand/Variety/Maturity | AvgYld | Moist | Dyer | Fayette | Franklin | Fulton1 | Fulton2 | Gibson | Obion | Shelby | |
|-----|-----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---|
| | | bu/a | % | plant 6/18 | 6/12 | 6/26 | 6/28 | 5/15 | 5/15 | 6/22 | 5/19 | |
| A | US Seeds Halo 5:01 | 61.1 | 12.9 | 53.9 | 49.5 | 64.4 | 68.0 | 77.0 | 67.0 | 71.1 | 37.6 | 7 |
| AB | Hornbeck LL4950 | 59.3 | 13.2 | 49.7 | 50.2 | 65.9 | 67.8 | 67.4 | 60.6 | 74.4 | 38.4 | 6 |
| BC | USG 74G99LL | 57.4 | 13.1 | 50.1 | 42.4 | 61.3 | 62.3 | 67.0 | 63.4 | 71.4 | 41.0 | 6 |
| BCD | Stratton Seed Go-Soy 4910LL | 57.0 | 13.0 | 46.1 | 45.7 | 63.2 | 64.3 | 63.5 | 61.4 | 69.4 | 42.4 | 6 |
| BCD | Warren Seed Micah 4900LL | 56.7 | 13.1 | 47.0 | 43.7 | 63.0 | 61.6 | 65.1 | 60.4 | 71.1 | 41.3 | 5 |
| BCD | US Seeds Halo 4:94 | 56.6 | 13.1 | 44.7 | 41.9 | 60.1 | 64.6 | 69.6 | 62.4 | 72.1 | 37.5 | 5 |
| CD | Stratton Seed Go-Soy 4912LL | 56.1 | 13.2 | 47.6 | 45.9 | 65.6 | 61.8 | 66.3 | 54.1 | 69.0 | 38.2 | 5 |
| CD | Warren Seed Micah 4800LL | 56.0 | 12.9 | 42.7 | 45.8 | 62.3 | 59.2 | 66.6 | 61.4 | 70.6 | 39.1 | 5 |
| CD | Progeny 4819LL | 55.4 | 13.0 | 35.7 | 38.3 | 62.2 | 71.4 | 65.3 | 63.6 | 69.5 | 37.0 | 4 |
| CD | Progeny 4928LL | 55.4 | 12.9 | 40.2 | 42.1 | 64.1 | 63.4 | 63.6 | 62.3 | 69.1 | 38.2 | 4 |
| CDE | USG 74G82LL | 54.5 | 13.0 | 39.9 | 36.0 | 58.2 | 68.0 | 60.6 | 68.8 | 68.2 | 36.7 | 2 |
| DE | Hornbeck LL4850 | 54.0 | 13.1 | 36.3 | 36.0 | 59.2 | 65.5 | 63.6 | 64.6 | 66.7 | 40.4 | 3 |
| DE | US Seeds Halo 4:97 | 53.9 | 13.1 | 40.8 | 39.7 | 60.4 | 61.0 | 62.5 | 62.9 | 63.9 | 40.0 | 2 |
| E | Warren Seed Micah 4600LL | 52.2 | 13.3 | 41.4 | 37.1 | 57.3 | 63.0 | 62.4 | 61.4 | 60.8 | 34.7 | 0 |
| E | Stratton Seed Go-Soy 4512LL | 52.2 | 13.6 | 38.5 | 37.6 | 57.5 | 62.0 | 61.0 | 60.4 | 65.2 | 35.3 | 0 |
| | Average (bu/a) | 55.8 | 13.1 | 43.6 | 42.1 | 61.6 | 64.2 | 65.4 | 62.3 | 68.8 | 38.5 | |

Table 57. Yields † and disease ratings § of 15 Late Maturity Group IV (4.6 - 4.9) Liberty Link (LL) soybean varieties evaluated in 8 Tennessee and Kentucky County Standard Tests during 2013.

| | | CST | ----- Research and Education Center at Milan ----- | | | | | | |
|-----------------------|-----------------------------|-------------|--|--------------|-------------|-------------|--------|--------|--------|
| | | Avg. | | | Treated † | Untreated | SCN | | |
| MS | Brand/Variety | Yield (n=8) | Frogeye | Sudden Death | Yield | Yield | Race 2 | Race 3 | Race 5 |
| | | bu/a | | | bu/a | bu/a | | | |
| A | US Seeds Halo 5:01 | 61.1 | LOW | LOW | 47.8 | 40.9 | MS | S | S |
| AB | Hornbeck LL4950 | 59.3 | LOW | LOW | 46.1 | 39.5 | S | S | S |
| BC | USG 74G99LL | 57.4 | LOW | LOW | 46.6 | 41.6 | S | S | MS |
| BCD | Stratton Seed Go-Soy 4910LL | 57.0 | LOW | LOW | 43.1 | 39.4 | S | S | S |
| BCD | Warren Seed Micah 4900LL | 56.7 | LOW | LOW-MOD | 44.5 | 40.3 | S | S | S |
| BCD | US Seeds Halo 4:94 | 56.6 | LOW | LOW-MOD | 45.6 | 42.3 | S | S | S |
| CD | Stratton Seed Go-Soy 4912LL | 56.1 | LOW | LOW | 49.6 | 42.4 | S | MR | MS |
| CD | Warren Seed Micah 4800LL | 56.0 | LOW | LOW | 47.7 | 40.7 | S | MS | MS |
| CD | Progeny 4819LL | 55.4 | MOD | LOW-MOD | 34.8 | 34.8 | MS | S | MR |
| CD | Progeny 4928LL | 55.4 | LOW | LOW | 46.1 | 41.0 | S | S | S |
| CDE | USG 74G82LL | 54.5 | MOD | LOW | 39.0 | 35.7 | MS | MS | MS |
| DE | Hornbeck LL4850 | 54.0 | MOD | LOW-MOD | 43.6 | 36.7 | MS | S | S |
| DE | US Seeds Halo 4:97 | 53.9 | MOD | LOW-MOD | 40.9 | 35.8 | S | MS | S |
| E | Warren Seed Micah 4600LL | 52.2 | LOW | LOW-HIGH | 45.9 | 42.5 | S | R | MS |
| E | Stratton Seed Go-Soy 4512LL | 52.2 | LOW | LOW-MOD | 45.8 | 43.0 | MS | S | S |
| Average (bu/a) | | 55.8 | | | 44.5 | 39.8 | | | |

2012 STANDARD GROUP IV Liberty Link

SOYBEAN VARIETY & DISEASE CHARACTERISTICS

(10 Varieties X 10 Locations)



| (Summary of 10 County Standardized Test) | | | | (Disease Ratings & Yield from Research & Education Center, Milan) | | | | | | |
|--|------------------------------|-------------|-------------|---|--------------|-------------|-------------|------------|--------|--------|
| MS | Brand/Variety | AvgYld | Moist | Frogeye | Sudden Death | RECM | RECM | SCN - 2012 | | |
| | | bu/a | % | 2012 | 2012 | *Treated | Untreated | Race 2 | Race 3 | Race 5 |
| A | *Warren Seed Micah 4900LL | 55.5 | 10.9 | 0.0 | 2.0 | 27.9 | 25.0 | S | HS | HS |
| A | **Progeny 4928LL | 55.3 | 10.9 | 0.0 | 2.0 | 27.9 | 28.4 | HS | HS | S |
| AB | **USG 74G99LL | 54.9 | 10.9 | 0.0 | 4.0 | 31.8 | 26.8 | S | HS | S |
| AB | Warren Seed Micah 4800LL | 54.8 | 11.0 | 0.0 | 5.0 | 28.8 | 26.5 | S | HS | HS |
| AB | *Stratton Seed Go-Soy 4910LL | 54.4 | 11.6 | 2.0 | 7.0 | 34.5 | 32.4 | S | HS | HS |
| ABC | *US Seeds Halo 4:94 | 53.7 | 11.0 | 0.0 | 5.0 | 27.5 | 27.8 | S | HS | S |
| BCD | Warren Seed Micah 4600LL | 51.0 | 11.4 | 0.0 | 4.0 | 30.6 | 27.8 | S | MS | HS |
| CD | Stratton Seed Go-Soy 4810LL | 49.9 | 10.8 | 0.0 | 5.0 | 28.7 | 26.6 | S | HS | HS |
| D | US Seeds Halo 4:65 | 49.3 | 10.9 | 0.0 | 4.0 | 34.0 | 31.5 | MS | MS | S |
| D | Ag Venture 43A4 LL | 46.8 | 12.1 | 0.0 | 3.0 | 24.3 | 24.0 | HS | MS | S |
| | Average (bu/a) | 52.6 | 11.1 | | | 29.6 | 27.7 | | | |

*Sprayed plots at Milan treated with Headline @ 6 oz./Acre tank mixed with Topguard @ 6 oz./Acre + 1% Induce @ R3 growth stage.
 Disease ratings (of unsprayed plots) for Frogeye & Sudden Death are from 0-10, where 0=no disease & 10=max. level of disease or plant death.
 Disease ratings & yield data compiled by Dr. Melvin Newman and Dr. Heather Young-Kelly from replicated plots at the Research and Education Center at Milan.
 MS = Varieties that have any MS letter in common are not statistically different in yield at the 5% level of probability.
 %M = Avg. % moisture across all locations. YLD = Avg. Yield @ 13% moisture.
 SCN Greenhouse Ratings compiled by Dr. Pat Donald, Research Plant Path., USDA-ARS, WTREC. Race 2 (HG Type 1.2.5.7), Race 3 (HG Type 7) and Race 5 (HG Type 2.5.7), HS = Highly Susceptible, S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant.
 Programs in agriculture and natural resources, 4-H youth development, family and consumer sciences, and resource development.
 University of Tennessee Institute of Agriculture, U.S. Department of Agriculture and county governments cooperating.
 UT Extension provides equal opportunities in programs and employment.

Table 45. Mean yields † and agronomic characteristics of 29 Maturity Group IV Liberty Link soybean varieties evaluated in five environments in Tennessee during 2013.

| Brand | Variety ‡ | Avg. Yield | Moisture § (n=5) | Lodging (n=4) | Height (n=4) | Maturity (n=4) | Shattering (n=3) | Seed |
|----------------|----------------|---------------------|---------------------|------------------|-----------------|-------------------|---------------------|------------------|
| | | ± Std Err. (n=5) | | | | | | Quality (n=1) |
| | | bu/a | % | Score | in. | DAP | ----- Score ----- | |
| Dyna-Gro | SX 13246L (LL) | 61 ± 2 | 13.7 | 1.6 | 34 | 130 | 1.0 | 1.5 |
| Halo | 5:01 (LL) | 58 ± 2 | 13.9 | 1.8 | 42 | 137 | 1.0 | 1.5 |
| Delta Grow | 4967 LL | 58 ± 2 | 13.8 | 1.7 | 38 | 138 | 1.0 | 1.8 |
| Halo | X496 (LL) | 56 ± 2 | 13.7 | 1.5 | 37 | 136 | 1.0 | 1.2 |
| Halo | X466 (LL) | 56 ± 2 | 13.8 | 1.7 | 35 | 130 | 1.0 | 2.3 |
| Progeny | 4930 LL | 55 ± 2 | 13.8 | 1.3 | 36 | 137 | 1.0 | 1.5 |
| Delta Grow | 4981 LL/STS | 55 ± 2 | 14.2 | 1.8 | 44 | 136 | 1.0 | 2.3 |
| Dyna-Gro | S49LL34 (LL) | 54 ± 2 | 14.1 | 1.3 | 36 | 135 | 1.0 | 1.5 |
| GoSoy | 4912 LL | 53 ± 2 | 14.3 | 1.8 | 38 | 137 | 1.0 | 1.5 |
| Beck's Hybrids | 483NL (LL) | 53 ± 2 | 14.1 | 1.7 | 36 | 129 | 1.0 | 1.3 |
| Halo | 4:65 (LL) | 53 ± 2 | 13.7 | 2.0 | 36 | 128 | 1.0 | 2.8 |
| Hornbeck | LL4950 | 52 ± 2 | 13.9 | 1.7 | 38 | 137 | 1.0 | 2.3 |
| Delta Grow | 4867 LL | 52 ± 2 | 13.6 | 2.1 | 35 | 128 | 1.0 | 2.2 |
| Halo | 4:95 (LL) | 52 ± 2 | 13.3 | 2.1 | 38 | 129 | 1.0 | 1.3 |
| Progeny | 4819 LL | 51 ± 2 | 13.8 | 2.0 | 34 | 129 | 1.0 | 1.3 |
| Halo | 4:94 (LL) | 51 ± 2 | 14.1 | 1.6 | 38 | 135 | 1.0 | 2.0 |
| Beck's Hybrids | 423NL (LL) | 51 ± 2 | 13.6 | 1.5 | 33 | 129 | 1.0 | 2.5 |
| Delta Grow | 4990 LL | 51 ± 2 | 14.1 | 1.6 | 37 | 135 | 1.0 | 1.5 |
| Halo | 4:40 (LL) | 51 ± 2 | 13.5 | 1.7 | 33 | 129 | 1.0 | 1.5 |
| USG | 74G99L (LL) | 51 ± 2 | 14.2 | 1.7 | 40 | 134 | 1.0 | 1.8 |
| USG | 74G82L (LL) | 50 ± 2 | 13.5 | 2.2 | 36 | 130 | 1.0 | 1.3 |
| Hornbeck | LL4850 | 50 ± 2 | 13.6 | 2.1 | 36 | 131 | 1.0 | 1.2 |
| GoSoy | 4812 LL | 49 ± 2 | 13.8 | 1.8 | 35 | 130 | 1.0 | 1.3 |
| Progeny | 4560 LL | 49 ± 2 | 13.2 | 1.7 | 36 | 127 | 1.0 | 2.2 |
| GoSoy | 4411 LL | 48 ± 2 | 13.8 | 2.0 | 37 | 128 | 1.0 | 2.0 |
| Progeny | 4928 LL | 48 ± 2 | 14.2 | 1.5 | 37 | 135 | 1.0 | 2.0 |
| GoSoy | 4711 LL | 47 ± 2 | 13.9 | 2.8 | 39 | 133 | 1.0 | 2.3 33 |
| Halo | X477 (LL/STS) | 46 ± 2 | 14.5 | 2.0 | 39 | 133 | 1.0 | 1.2 |