



2015 LARGE PLOT YIELD TRIAL RESULTS



Study Guidelines



- Large plot yield trials were designed to help determine which soybean, corn, and cotton products are best adapted for growing conditions at the Monsanto Learning Center at Scott, MS.
- Trials contained both new and locally established products.
- 0.25 acre non-replicated demonstration plots were managed according to local practices and harvested with commercial equipment.
- Data was adjusted for moisture and/or turnout as needed.

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Results and Discussion



Soybean Product Trial

Asgrow® Brands	Average Yield (bu/acre)	Asgrow® Brands	Average Yield (bu/acre)
AG4632	92	AG5335	81
AG4531	87	AG4934	78
AG4534	87	AG5535	71
AG4835	86	AG3135	64
AG4831	85	AG4336	56
AG4730	84	AG4232	56

- Planted April 15, 2015; Harvested September 15, 2015.
- Planted on 7.5-inch x 38-inch twin rows at a seeding rate of 120,000 seeds/acre.
- Produced on highly productive Deer Creek Sand soil.
- All yields adjusted to 13.5% moisture.

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Results and Discussion



Corn Product Trial

DEKALB® Brands	Average Yield (bu/acre)	DEKALB® Brands	Average Yield (bu/acre)
DKC65-19	269	DKC69-31	253
DKC67-14	268	DKC62-08	248
DKC68-26	266	DKC66-59	246
DKC66-87	265	DKC67-88	242
DKC64-69	265	DKC64-89	239
DKC67-72	264	DKC63-60	239
DKC67-58	262	DKC66-97	238

- Planted April 1, 2015; Harvested September 1, 2015.
- Planted on 38-inch row spacing at a seeding rate of 38,000 seeds/acre.
- Produced on highly productive Deer Creek Sand soil.
- 240 total units of nitrogen applied in a 50/50 split application.

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Results and Discussion



Cotton Product Trial

Deltapine® Varieties	Turnout	Average Lint Yield (lbs/acre)
DP 1518 B2XF	41.7	1858
DP 1522 B2XF	42.4	1765
DP 1555 B2RF	43.6	1753
DP 1133 B2RF	43.3	1681
DP 1321 B2RF	41.9	1676
DP 1028 B2RF	44.5	1527
DP 1311 B2RF	43.3	1495
DP 1219 B2RF	41.5	1450
DP 1137 B2RF	42.5	1395
DP 1048 B2RF	43.0	1379
DP 1538 B2XF	44.3	1359
DP 1549 B2XF	41.0	1359
DP1454NR B2RF	42.4	1323
DP 1553 B2XF	43.7	1273
DP 1558NR B2RF	41.0	979

- Planted April 27, 2015; Harvested October 15, 2015.
- Planted on 38-inch row spacing at a seeding rate of 52,000 seeds/acre.
- Produced on highly productive Deer Creek Sand soil.
- 120 total units of nitrogen applied in a 50/50 split application.
- Regional (south Delta) turnouts used to calculate average lint yield.
- Aggressive PGR system: 48 oz. total application of mepiquat chloride.
 - 10 oz. May 20
 - 16 oz. June 15
 - 22 oz. July 2
- Regional (south Delta) turnouts used to calculate average lint yield.

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Take Aways



- There are new soybean, corn, and cotton products that have a high yield potential and are well-adapted for the growing conditions at Scott, MS.
 - 7 of the tested soybean products produced average yields greater than 80 bu/acre, with the highest average yield being 92 bu/acre.
 - 7 of the tested corn products produced average yields greater than 260 bu/acre, with the highest average yield being 269 bu/acre.
 - 6 of the tested cotton products produced average yields greater than 1,500 lbs/acre, with the highest average yield being 1,858 lbs/acre.

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Legal Statements



The information discussed in this report is from a single site, non-replicated demonstration. This informational piece is designed to report the results of this demonstration and is not intended to infer any confirmed trends. Please use this information accordingly.

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