



AGRONOMIC STUDY RESULTS

Seed-Applied Treatment Corn Trial

B-H Genetics Research
Ganado, Texas
Jackson County

Irrigation: None
Planting Rate: 26,000
Replications: 5

Planting Date: 3-22-2017
Harvest Date: 8-1-2017
Previous Crop: Corn

| Treatment | Type | Rate (OZ/Bag) | 3/28/2017 Vigor (1-9 Scale) | 4/7/2017 Vigor (1-9 Scale) | Harvest Moisture (%) | Test Weight (Lbs) | Adj. Yield 15% Moisture (Bu/Acre) |
|---------------|------------|---------------|-----------------------------|----------------------------|----------------------|-------------------|-----------------------------------|
| Untreated | - | - | 5.2 a | 4.8 a | 12.6 ab | 59.3 a | 97.6 a |
| Quickroots | Biological | On Seed | 5.4 a | 3.8 b | 12.5 ab | 59.2 a | 96.5 a |
| Take-Off ST | Biological | 0.3 | 5.4 a | 4.2 ab | 12.5 ab | 59.0 a | 101.9 a |
| Release | Hormone | 0.5 | 2.6 b | 4.8 a | 12.7 a | 59.0 a | 96.4 a |
| MycoGold Corn | Biological | 4.0 | 5.6 a | 3.6 b | 12.4 b | 59.1 a | 107.8 a |
| LSD (P=.10) | | | 0.84 | 0.75 | 0.20 | 0.54 | 11.45 |
| Stand. Dev. | | | 0.62 | 0.56 | 0.13 | 0.35 | 9.02 |
| CV | | | 12.90 | 13.24 | 1.05 | 0.59 | 9.02 |

Means followed by the same letter do not significantly differ (P=.10, Duncan's New MRT)

Treatments applied to seed prior to planting either as a dry powder, wettable powder, or liquid. Visual evaluations of plant growth/vigor made at 6, 16 and 30 days after planting on a 1-9 scale, with 1 being most vigorous and 9 being least vigorous. Reference the 2016 Agronomic Report for the previous seed-applied treatment corn trial.

| Treatment | Grain Yield (Bu/Acre) |
|------------------------|-----------------------|
| Release Seed Treatment | 123.9 a |
| Untreated | 123.3 a |
| LSD (P=.05) | 2.28 |
| Stand. Dev. | 1.01 |
| CV | 0.82 |

Release[®] seed treatment (gibberellic acid) applied to several bags of seed and loaded into half of the planter. Same lot number seed untreated loaded into the other half of the planter and planted across the field. Harvested with a yield monitor.

Means followed by the same letter do not significantly differ (P=.05, Duncan's New MRT)



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