Agriculture Research Center™
Progressive Farming Research Test Center

MycoGold Review Test Data

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Test plots #3514-3525
Product: MycoGold Corn seed treatment, 2016
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MycoGold Biological Inoculant Corn Tests

These series of test plots were conducted to determine the efficacy and yield performance of MycoGold Corn seed treatment. MycoGold Test plots were conducted at four separate regions in order to test performance in various soil types and conditions. Plots were established in block design with three replications at each site. Control seed received no MycoGold, but was otherwise treated with the same fertilizer/pesticide program.

MycoGold claims to return beneficial microbials back into the soil and better utilize applied fertilizer and nutrients in the soil resulting in more production. MycoGold features mycorrhizal fungi that colonize the plant's root system and develop a symbiotic association with the plant. They form a network of fine filaments that associate with plant roots and draw nutrients and water from the soil that the root system would not be able to access otherwise.

Kansas (East Central) MycoGold Test results

Seed used in this study — LG Seeds LG5618STXRIB

MycoGold Test	*Plot #3514 Yield Bu/A*	*Plot #3514 Moisture%*	*Plot #3515 Yield Bu/A*	*Plot #3515 Moisture%*	*Plot #3516 Yield Bu/A*	*Plot #3516 Moisture%*
MycoGold	190.4	17.3	208.2	16.7	181.1	16.5
Control	181.2	17.9	192.6	17.4	178.3	16.6

Texas (North Central) MycoGold Test Results

Seed used in this study — Golden Acres Genuity VT Double Pro

MycoGold Test	*Plot #3517 Yield Bu/A*	*Plot #3517 Moisture%*	*Plot #3518 Yield Bu/A*	*Plot #3518 Moisture%*	*Plot #3519 Yield Bu/A*	*Plot #3519 Moisture%*
MycoGold	118.5	14.1	114.6	14.1	111.8	12.2
Control	115.9	14.8	103.3	15.7	98.3	12.9

Tennessee (West) MycoGold Test Results

Seed used in this study — Dekalb DKC65-19

MycoGold Test	*Plot #3520 Yield Bu/A*	*Plot #3520 Moisture%*	*Plot #3521 Yield Bu/A*	*Plot #3521 Moisture%*	*Plot #3522 Yield Bu/A*	*Plot #3522 Moisture%*
MycoGold	178.2	18.1	170.1	17.5	184.7	18.0
Control	164.6	18.8	166.4	18.3	173.2	18.9

Indiana (North) MycoGold Test Results

Seed used in this study — Ebberts 6466VT2P

MycoGold Test	*Plot #3523 Yield Bu/A*	*Plot #3523 Moisture%*	*Plot #3524 Yield Bu/A*	*Plot #3524 Moisture%*	*Plot #3525 Yield Bu/A*	*Plot #3525 Moisture%*
MycoGold	206.2	20.1	203.5	19.3	218.4	21.4
Control	201.4	21.8	194.3	19.4	208.5	21.8

MycoGold Test Results Conclusion

Keep in mind this is a single year test and further testing is warranted. However, there were significant yield increases at several plots. Observations indicated that the larger gain differentials were attained in test areas that received lower moisture at times during the growing season.

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