Huma Gro® Products Increase Soybean Yield 12.5%

Field Report

Summary

HUMA GRO® products VITOL® and LUCKY 7® were foliar-applied to a soybean crop within the Mid-South region of the United States. The HUMA GRO® treatment was compared to no foliar nutrition. The inclusion of VITOL® and LUCKY 7® to the soybean crop nutrition program resulted in increased yield.

Description

By number of harvested acres, soybean (Glycine max [L.] Merr.) is the number one agronomic crop within the state of Arkansas (Source: USDA National Agricultural Statistics Service). The state average soybean yield is 43.5 bushels per acre (bu/ac) across 3.2 million harvested acres.

An on-farm field trial was conducted in 2014 on a soybean (Pioneer P45T11R) crop in Holly Grove, Arkansas. The soil type was a sandy loam that had previously been in a corn/soybean rotation. The field was in its second year of soybean production. The HUMA GRO® test plot was 53 acres (total field size = 251 acres).

Both VITOL® and LUCKY 7® were applied at 1 quart per acre. The HUMA GRO® products were mixed and applied with the first application of Roundup® on the soybean crop. The control treatment included the application of Roundup® with no foliar nutrition.

Results & Conclusion

According to the farmer, yield on this field generally exceeds the state average by almost 20 bu/ac. In 2014, yield was reduced across the entire field. The reduction in yield was likely due to a late planting date, sustained wet weather, and other unknown soil challenges.

Regardless, the HUMA GRO® test plot resulted in a 7.85 bu/ac increase compared with the rest of the field. The test plot was located on the south side of the map (Figure 1), moving in a southeast to northwest direction for 53 acres. The dark green line in that direction highlights the yield increase compared to the rest of the field.

The return on investment for using the HUMA GRO® products exceeded 5:1 (based on market price of soybeans at publication date)***.***

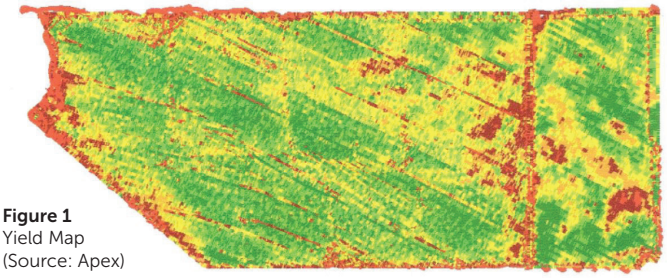

Figure 1
Yield Map
(Source: Apex)

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