

TrueSolum®

CORN FIELD TRIAL RESULTS SUMMARY

OBJECTIVE

This field trial assessed the effect of **TrueSolum®**, when added to grower’s standard treatment, on the yield in **Field Corn**.

TRIAL SPECIFICS

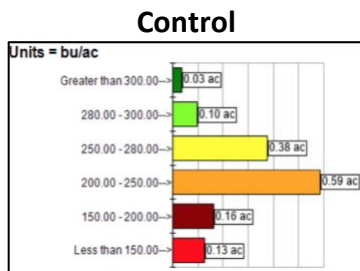
- **Location:** Upperco, MD
- **Design:** 36 rows per treatment
- **Treatments:** Control - Grower’s Standard
- **Season:** May 2022 – October 2022
- **Planting Date:** May 3, 2022
- **Treatment 1 - True Solum applied at 16 oz per acre in furrow at planting**
- **Treatment 2 - Treatment 1 + 1 gallon per acre as a sidedress at the V4-V5 stage combined with final herbicide cleanup application**

OVERVIEW

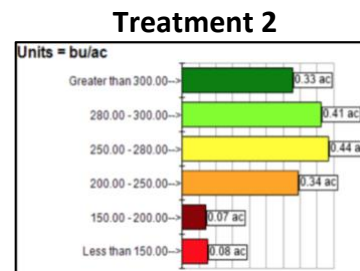
TrueSolum was mixed with Grower’s input and applied in-furrow to 72 rows of corn at planting. A second application of TrueSolum was applied to 36 of the 72 rows which received the in-furrow application. The TrueSolum was tank mixed with the final herbicide application and applied via an overhead sprayer. Treatment 2 was a mistake as all 72 rows were supposed to receive this second spray treatment. The mistake provided an opportunity to observe results of the one in-furrow application alone, although a separate yield map was not retained. Real-time yield data was collected at harvest.

RESULTS

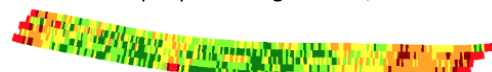
TrueSolum when applied twice (Treatment 2) resulted in an average of **260.6 bu/a** versus **224.8 bu/a** for the Control. This is a **15.9% yield increase** for Treatment 2. Although a separate yield map was not retained, the farmer observed similar yields for Treatment 1 as recorded for Treatment 2.



Yield map representing 36 rows, **control**



Yield map representing 36 rows, **treated**



CONCLUSION

TrueSolum, when applied both in-furrow and with a second spray application resulted in a significant yield increase of **15.9%**. The farmer noted that the 36 rows that received only the in-furrow application of TrueSolum had similar yield results as the rows which received both the in-furrow and spray treatment. In conclusion, applying **TrueSolum** in-furrow is an effective way to deliver improved yield for corn. One 16 ounce **TrueSolum** application in-furrow may be the only treatment required to achieve meaningful yield improvement.



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