

Summary #3

”On-Farm Field Trials to Test the Effectiveness of Seed Nematacides For Managing Reniform and Root –Knot Nematodes on Cotton in Alabama(2008)”

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Trial Fields were selected based on preplant nematode soil analysis with high to very high reniform or root-knot infestation levels. Previous trial field sites were selected to provide multi year data with the farmer cooperators who are willing to repeat this on-farm applied research.

Cotton seed from the same lot was treated by the respective companies with the commercial available insecticide, fungicide and nematacide for planting the replicated trials. An independent laboratory examined the seed for the proper stated content and found the treatments proper. Temik applied at 5lbs/acre in-furrow is the established standard nematacide treatment + fungicide seed treatment that was included as a comparison to the seed nematacide treatments in all trials. Gaucho Grande (non nematacide)+ seed fungicide served as the untreated check treatment.

Root knot replicated trials were planted in Barbour County (Birdsong/Dillard) and Macon County (Kuykendall/Clary). Reniform replicated trials were planted in Elmore (3) (Kuykendall/Clary) Counties totaling 5 tests. The Macon County trial was not weighed at harvest due to stand problems following flooding conditions.

The three reniform trials posted yields from near 1-3 bale per acre with little difference differences in any of the treatments when compared to the untreated check. Both seed treatments Aeris and Avicta performed only slightly superior than the standard 5lbs. Temik treatment. The results of the Barbour County Root-Knot Trial are pending.