AGRONOMIC PERFORMANCE AND INSECTICIDAL EFFICACY OF TWINLINK™ COTTON FROM BAYER CROPSCIENCE

J. Holloway
M. Rinehardt
L. Trolinder
R. Humphries
G. Henniger
S. Baker
K. Price
Bayer CropScience
Lubbock, TX

Abstract

Bayer CropScience is developing a in-house stacked *Bt* product TwinLink™ cotton, expressing both *cry1* and *cry2* genes, conferring protection from damage of a wide range of Lepidopteran pests, as well as tolerance to glufosinate ammonium (Ignite®) herbicide. Contingent upon regulatory approvals, TwinLink™ cotton is planned for commercial release stacked with GlyTol® technology.

Extensive field testing of Twinlink™ cotton has been undertaken both internally and externally with University and USDA scientists. Replicated trials with Twinlink™ cotton in Coker backgrounds have recorded no adverse agronomic effects, as well as solid efficacy against a number of key Lepidopteran pests of cotton, including *H. zea, H. armigera, H. virescens, S. frugiperda, S. exigua and P. gossypiella.* A summary of these results are presented here.

Once approved and available in elite FiberMax® and Stoneville® germplasm, TwinLink™ + Glytol® cotton will provide US cotton growers with stacked insect protection as well as stacked herbicide tolerance, resulting in greater choice and flexibility for insect and weed management.