

Chemical Stalk Destruction of Enlist Cotton – Corpus Christi 2021

Treatments:

1. Dicamba 1 lb + Reviton 2 fl oz
2. Dicamba 1 lb followed by dicamba 1 lb
3. Dicamba 1 lb + thidiazuron 3.2 fl oz followed by dicamba 1 lb
4. Dicamba 1 lb + Reviton 2 fl oz followed by dicamba 1 lb
5. Duplosan 32 fl oz followed by Duplosan 32 fl oz
6. Duplosan 32 fl oz + thidiazuron 3.2 fl oz followed by Duplosan 32 fl oz
7. Duplosan 32 fl oz + Reviton 2 fl oz followed by Duplosan 32 fl oz

Treatments containing Reviton included MSO at 1%, all other treatments included crop oil concentrate at 1%. Treatments with a follow-up application were applied 2 weeks after the first application.

These treatments were applied to PHY 480 W3FE cotton at three different growth stages:

1. Applied immediately after mowing (fresh-cut stalks)
2. Small regrowth after mowing (approx. 1.5" leaves)
3. Large regrowth after mowing (approx. 3.0" leaves)

At 21 to 28 days after treatment, plots were evaluated for % kill of cotton stalks. Of the dicamba-based treatments, the best control was achieved with a two-pass program which included Reviton in the first application, made to small regrowth (89% control). Greater control was achieved with Duplosan when applied to small regrowth (95-98% control), regardless of the tank mix partner. There was a trend toward decreased control of cotton stalks that were allowed to produce large amounts of regrowth prior to application, which follows our findings in several previous field trials. Our most consistent results with either dicamba or Duplosan have been with timely applications made to slight regrowth.

Cotton Stalk Control 21-28 Days After Treatment

