

RLCaswell:acd 4/18/67

Evaluation of Data for Registration of  
Guthion on Cotton  
Submitted April 12, 1967, by Chemagro

We are ready to accept the ULY use of 0.25 lbs./acre actual Guthion on cotton with a PHI of 14 days. We required "Do not graze livestock in treated areas. Do not feed gin trash to livestock" in place of the label limitation. This is 16 fluid ounces of the 2 lbs./gallon formulation.

Chemagro in their Supplement No. 1 of April 3, 1967, submitted data to support dropping of the PHI limitation. Five ground studies and four air application studies, most with 10 applications, of eight ounces active per acre. Residues at zero days in cottonseed were mostly 0.05 - 0.10 ppm apparent Guthion, and controls were very low. The highest residue was 0.2 ppm. Sensitivity is about 0.10 ppm and tolerance for Guthion in cottonseed is 0.5 ppm. A modification of the previous colorimetric method was used (10183).

Some previous very limited data showed high residues, but apparently an error had been made.

We can accept the proposed use without a preharvest interval.

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