

## COMPARISON OF EFFECTIVENESS OF GUTHION AND SEVIN

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Insect problems in cotton were complicated this year because of the banning of DDT and increased leaf-perforator and pink bollworm populations. University of Arizona recommendations suggest Guthion and Sevin for control of these insects.

Guthion is more expensive than is Sevin. Art Pacheco Jr. was interested in the economics of comparative applications of the two materials. After a study of the situation Mr. Pacheco, Marana, treated 18 acres with Sevin and 140 acres with Guthion. The cost of the Guthion application was approximately \$2.25 per acre more than for the Sevin application.

Visual observation and worm counts indicated that Sevin was relatively ineffective, especially on the leaf-perforators. The results from the Guthion application were most encouraging with worm kill being detected as long as 72 hours after application.

The conclusion of the test was that Guthion was the most economical material to use in spite of its considerably higher cost. Reports throughout the county indicated that Guthion was the only consistently effective insecticide for control of leaf-perforator and pink bollworm.

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