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COTTON INSECT CONTROL RECOMMENDATIONS FOR GEORGIA

As formulated by Agronomists and Entomologists of the University System of Georgia

I. MATERIALS AND DOSAGES RECOMMENDED FOR COTTON INSECT CONTROL

- (1) Benzene Hexachloride - A mixture containing 3% gamma isomer, 5% DDT, in either 40% dusting sulfur or any other suitable neutral or slightly acid diluent.

Use at least 10 lbs. of dust per acre for all applications. This mixture controls all cotton insects except red spider. With sulfur, red spider is held fairly under control. Where boll worm is a problem increase the rate to 15 lbs. per acre.

- (2) Chlorinated Camphene (Toxaphene) - A mixture containing 20% chlorinated camphene either in dusting sulfur 40% or other suitable neutral or slightly acid diluent.

Use at 10 to 15 lbs. per acre per application. This mixture will usually control all cotton insects (red spider if sulfur is used). However, if honeydew appears, apply mixture No. 1 as recommended.

- (3) Calcium Arsenate plus 1% Nicotine - Where nicotine is not available 1% rotenone may be used. Use at rates of not less than 6 lbs. per acre for first two applications. Other applications use 8 to 12 lbs. per acre. This material will control boll weevils and keep down louse population, but will not knock out heavy infestations of lice. If honeydew appears, use mixture No. 1.

Where calcium arsenate is used and cotton fails to square properly, cotton flea-hopper is probably present. If small blasted squares are apparent, use 12 lbs. per acre of either mixture (1) or (2).

NOTE: Any of these materials are satisfactory. The choice will depend upon cost and availability in the local market or personal preference.

II. METHOD AND TIMING OF APPLICATIONS

Method - At present dusting only is recommended. Hand-gun, traction or tractor operated dusters or airplane dusting are all satisfactory if well done.

Timing - (1) Presquare - Presquare applications of dust should be used only on spots where considerable bud damage is noted. If thrips are present use mixture (1) or (2), otherwise any of the above will be satisfactory.

This will not control weevils after squaring commences.

(2) After Squaring Begins - Examine fields before bloom. If flared squares are easily found dusting should be commenced immediately. One application of any of the above materials should be used to check this early weevil damage. Normally first brood damage will commence about 12 days after first blooms appear in the field. Here the regular dusting schedule commences.



