

RENEY:rjj  
5/27/66

6-10-  
Evaluation of Data for Registration  
of Guthion  
Application of May 17, 1966  
by Chemagro Corporation

Registration No. 3125-132 & 167

INTRODUCTION

Also involved in this submission is Thompson-Hayward registration number 148-671.

This is an application to delete the statement, "treated sugarcane must be burned off at harvest or washed before processing. It also appears that the 40 day PHI interval is being changed to 30 days.

Guthion is registered on sugarcane at 1.5 lbs./A, 0.3 ppm. tolerance and 40 day PHI and with the above caution.

There are three products involved - Thompson-Hayward's De-Pester Sugarcane, Granules G-7, Chemagro's Guthion 10% Granules Insecticide and Guthion 7% Granular Insecticide.

DIRECTIONS FOR USE

7% - 15 lbs./A (1.05 lbs. A/A) and 22 lbs./A (1.54 lbs. A/A) is necessary. Apply 5 times per season and not within 30 days of harvest.

10% 15 lbs./A (1.5 lbs. A/A) - same as above.

DISCUSSION OF DATA

Some of the data submitted are listed below:

| Plant Part                  | Formulation | Oz.A/A | No. of Applic. | PHI | Residues |
|-----------------------------|-------------|--------|----------------|-----|----------|
| Unwashed Unburned sugarcane | 7% G        | 16     | 5              | 27  | ND       |
| "                           | "           | "      | "              | 28  | 0.3      |
| "                           | "           | "      | "              | 43  | 0.1      |
| "                           | "           | "      | "              | 28  | ND       |
| "                           | "           | "      | "              | 30  | "        |
| "                           | "           | "      | "              | 30  | "        |
| "                           | "           | "      | "              | 30  | "        |
| "                           | "           | "      | "              | 27  | "        |
| Raw Cane                    | "           | "      | "              | "   | "        |
| Molasses                    | "           | "      | "              | "   | "        |
| Syrup                       | "           | "      | "              | "   | "        |
| Mixed Juice                 | "           | "      | "              | "   | "        |
| Clarified Juice             | "           | "      | "              | "   | "        |
| Bagasse                     | "           | "      | "              | "   | 1.4      |
| Mud                         | "           | "      | "              | "   | ND       |

Data does not support 1.5 to 1.54 lbs.A/A, 30 day PHI and deletion of caution. It might support 1 lb.A/A, 30 day PHI and no caution. Entomology ~~will~~ not go along with this change.

CONCLUSIONS

Data is inadequate to support the proposed use. All data was gathered from application of 16 oz.A/A or 1 lbs.A/A.

The label says use 1.5 and 1.54 lbs.A/A. We need data at these rates.

RECOMMENDATION

It is recommended that the change to delete the statement "treated sugar-cane must be burned off at harvest or washed before processing" not be accepted because of the reason on the conclusion.

*Label changed to 1 lb P/A  
APC acceptable*