

RENEY:scg 4/20/66

Evaluation of Data for Registration for
1,2-dibromo-3-chloropropane (Nemagon)
Application of April 6, 1966,
By Shell Chemical Company

INTRODUCTION

201-149

Nemagon is a soil fumigant.

The name of the product is Nemagon Soil Fumigant.

Shell wishes to register the use of Nemagon on watermelons. There are tolerances of 50 ppm on honeydew melons, cantaloupes, and muskmelons. Shell wishes to use these tolerances for watermelons.

DIRECTIONS FOR USE

Watermelons - apply 5.4 to 8.6 lbs. A/A at pre or at planting time; row application.

ANALYTICAL METHOD

"Determination of Total Bromine Residues in Agricultural Crops by Instrumental Neutron Activation Analysis," J. Agr. Food Chem., 10, 232 (1962).

DISCUSSION OF DATA

The following data were submitted:

| Dosage # A/A | PHI | # of Samples | Uncorrected Residues In PPM | | |
|-----------------|-----|-----------------|-----------------------------|---------|-------|
| | | | Whole | Rind | Meat |
| Check | — | 1 | 1.0 | 0.5 | 1.0 |
| | | 2 | 0.8 - 1.5 | — | — |
| 3 | 93 | 2 | 1.9 - 2.1 | 2.5-3.4 | 0.8-1 |
| 3 | 93 | 8 | 1.5 - 2.4 | — | — |
| 6 | 93 | 1 | 4.3 | 8.2 | 1.3 |
| 6 | 93 | 4 | 1.1 - 4.3 | — | — |

The use should have a tolerance. The tolerance on cantaloupes, muskmelons, and honeydews is not acceptable.

CONCLUSION

In Petition Number 294, the use of nemagon on watermelons was objected to for lack of data. The tolerance set on honeydew, cantaloupe, and muskmelons would not be acceptable. The acceptable uses were not on the melon group, but individual melons. Shell should submit for a tolerance.

RECOMMENDATION

It is recommended that this use not be accepted because of the reason in the conclusion.