

US EPA ARCHIVE DOCUMENT

NEY

HEWey:rjj
8/17/66

Evaluation for registration for Nemagon
Application of June 30, 1966
by Shell Chemical Co.

Registration No. 201-151

INTRODUCTION

Nemagon is Shell's trademark for 1,2-Dibromo-3-chloropropane other Halogenated C₃ Compounds also, called Fumazone (Dow's trademark).

This is a submission to change the time interval from treatment to harvest on strawberries from 300 to 55 days. There is a 10 ppm tolerance on strawberries. Also Shell wishes to remove the limitation of Use in Western States Only on citrus. There is a 20 ppm tolerance on citrus.

It appears that Reg. No. 201-149 should also be included.

DISCUSSION OF DATA

Strawberries - some of the data submitted is as follows:

Dosage	No of Samples	Time Intervals	Br Residues
32.68 lbs./A	9	85	2.3 to 3.2
104.34 lbs./A	5	85	8.2 to 9.8
1.5 gal./A	1	55	2.5
3.0 gal./A	1	55	3.0
5.0 gal./A	1	55	2.6

Data appears to be adequate to support the proposed change of 300 days to 55 days of last application to harvest.

Citrus - some of the data submitted on oranges is as follows:

Dosage	No. of Applic.	Time Interval	Br Residues		Calc. Whole fruit
			Peel	Pulp	
86.5 lbs.A.A	3	5 1/2 yrs.	15	2	6
" + 193.8	3 + 3	2 1/2 yrs.	13	5	8
" "	3 + 6	2 yrs.	12	6	18
" "	3 + 12	1 yr.	36	15	23
28 gal./A	12 (3/yr.)	56 days	6.05	0.06	0.27
16 "	3 (3/yr.)	107 "	0.1	0.25	0.16
53 "	17 (1/yr.)	71 "	25.38	5.25	17.33
12 "	3 (1/mon.)	240 "	0.38	1.03	0.64
30 "	13 (3/yr.)	46 "	0.08	0.89	-
16 "	3 (1/mon.)	101 "	0.15	0.36	-
41 "	13 (3/yr.)	71 "	37.57	7.77	-
12 "	3 (1/mon.)	240 "	0.57	1.52	-

CONCLUSIONS AND RECOMMENDATION

It is recommended that the changes be accepted.