

3-29-66

W.C.Y.

RE: Reg 3/29/66

Evaluation of Data for Registration for MSMA  
Application of December 1, 1965  
By The Ansul Company  
Registration Number 6308-18

INTRODUCTION

The name of the product is Ansul 529 Herbicide which contains 34.8% Monosodium Acid Methanearsonate. This product contains 4 lbs. MSMA per gallon.

MSMA has been registered on cotton, post emergence, one to two directed spray to weeds when cotton is three to four inches tall.

Ansul now wishes to change the number of applications on cotton and register a new use on apples.

DIRECTIONS FOR USE

Cotton:

1. Apply 2 to 2½ qt./A (2 to 2½ lbs. A/A) broadcast before planting, again when cotton is three inches to 1st square (one or two directed or broadcast), and again at 1st square to 1st bloom (directed).
2. Do not make any applications before three inches high, do not make broadcast applications after first square, do not make directed application after first bloom.
3. Do not feed treated foliage to livestock or graze treated areas.

Citrus:

1. Apply 2 to 5 qts./100 gal. of water (2 to 5 lbs. A/A) just short of run-off. If regrowth occurs, reapply as required.
2. Do not allow spray solution to contact leaves of fruit.
3. Do not feed treated foliage to livestock.

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ANALYTICAL METHOD

Total arsenic method.

Sensitivity is 0.26 ppm at the 95% confidence level.

All results are reported in ppm of elemental arsenic.

NATURE OF RESIDUES

Appears to be by contact.

DISCUSSION OF DATA

Cotton:

1. Data submitted are inadequate to support the proposed use. Data were submitted comparing DSMA, MSMA, MAA, and MMA. Some of the data submitted for the use of MSMA on cotton are listed below:

Dosage # A/A	# of Samples	Applications At			Residues
		2-3"	3-4"	8-10"	
2	4	"	"	"	Less Than 0.05 to 0.06
Check	2	"	"	"	0.05

2. There was no mention as to whether analysis were on delinted or undelinted cottonseed.

Citrus:

1. All data submitted were from applications of Ansar 184 (DSMA). These data would not be acceptable, however, I am making the following comments. No samples were submitted from multiple applications. There were eight samples from two applications ranging from 9.5 lbs. A/A to 76 lbs. A/A first application to 3.2 lbs. A/A for the second application. No significant residues were found. All data were obtained from peeled fruit.

### CONCLUSIONS

Data are inadequate to support the use on cotton. We would like to have residue data from four applications at the prescribed dosage, and time intervals that are on the label.

Was delanted or undelanted cottonseed analyzed?

Data are inadequate to support the use on citrus. We would like residue data from the use of MNA.

The label states, repeat as needed for citrus; therefore, we would like residue data from repeated applications. This use would also require a cut off time from last application to harvest.

If analysis of citrus are to be on peeled fruit, then a caution would be needed such as, do not use peels for food or feed purposes.

There should be a caution against grazing treated areas for the use on citrus.

### RECOMMENDATIONS

It is recommended that these uses not be registered because of the reasons listed in the conclusion.