EEE BRANCH REVIEW

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DATE S	UIMISSI	ON ACCEPTED_			and the second
TYPE P	RODUCT (S): I, D, (H)	F, N, R,	S Plant Growth Re	egulator
PRODUC	T MGR. I	w	Donald	Stubbs	
PRODUC	T NAME (S)	FLO-MO	810 Tobacco Sucke	r Control Agent
COMPAN	Y NAME		Seller	s Chem. Corp.	
SURMIS	SION PU	RPOSE Appli	cation fo	r EUP on tobacco	
СНЕМІС	NL & FO	REJULATION Fat	ty Alcoho	1s (C ₆ -0.42%, C ₈ -3	8.6%, C ₁₀ -45.9%) (85%)
		(6.	04 lb. ai	/gallon)	

Introduction 200.0

Background information: 200.2

Identical FLO-MO 810 effectiveness data were submitted in support of registration or an experimental use permit. These data will not support registration, therefore, a total of 152 gallons FLO-MO 810 are requested (918 lbs. ai) for experimental use on 76 acres of flue-cured and burley tobacco in Georgia, North Carolina and Kentucky.

Factors affecting amount/type of data required 200.2.1

- Types of tobaccod on which FLO-MO 810 will be used: burley, flue-cured, dark, Maryland and cigar. 1.
- Tobacco varieties on which FLO-MO 810 will be used. 2.
- Application rates: 1 1/2-2 gallons in 50 gal. water. 3.
- Method of application: hand spraying vs. use of 4. power equipment.
- Number of applications: Repeat application 5-7 days 5. first application is recommended.
- Tobacco states in which FLO-MO 810 will be used.
- Repeat application if first application is washed 6. off by unexpected rainfall.

Data summary 201.0

Brief description of iests. 201.1.1

Efficacy, phytotoxicity and yield data submitted are unacceptable in support of registration mostly due to application and procedural errors. Preliminary data were restricted to the Speight 628, Coker 347 and Coker 411 varieties of the fluecured tobacco in North Carolina only.

Data summaries: 201.1.2

Refer to EEEB files for company data summaries.

Conclusions 202.0

Claims not supported by the data submitted 202.2

- Efficacy data submitted will not support use of 1 3/4 gal./A FLO-MO 810 in 50 gal. water on flue-cured, ٦. burley, Maryland, cigar or dark tobaccos in North
- Crop injury and yield data submitted will not support use of 2 gal./A FLO-MO-810 on flue-cured, burley, 2. Maryland, cigar or dark tobaccos in North Carolina.

202.3 Program evaluation - Additional data required to support claims and achieve registration

The 1976 experimental program is not adequate in scope or design to support full registration. Prior to achieving registration, submit data evaluating the following factors for efficacy using 1 3/4 gal./A FLO-MO 810; and crop injury, leaf quality and yield using 2 gal./A FLO-MO 810:

- 1. All types of tobacco on which FLO-MO 810 will be used flue-cured, burley, dark, Maryland and cigar should be included.
- 2. Representatives tobacco varieties of each state in which FLO-140 810 will be used should be included

3. Method of application: hand spraying vs. use of commercial power equipment. Abould be addressed

- 4. Number of applications: Data must evaluate a secondary application of FLO-MO 810 (using 1 3/4 gal/A for efficacy and 2.0 gal./A for crop injury and yield) applied 5-7 days following an initial treatment at the same rate. Factors 1-3 above must be included.
- 5. Repeat application: Data must evaluate a repeat application using minimum and maximum recommended rates re-applied after the first application is washed off by rainfall. Factors 1-4 above must be included.

203.0 . Label revisions required prior to issuance of 1976 EUP

 Under "Directions for Use" first paragraph, delete "Dark" tobacco or submit recommended rates of application and necessary "Directions for Use".

2. Delete from the experimental label the use of FLO-MO 810 on Maryland tobacco, as no tests are proposed in the state of Maryland.

3. Delete from the experimental label the use of FLO-MO 810 on cigar tobacco, as no tests are proposed in the states of Pennsylvania and Wisconsin.

204.0 <u>Label revisions required prior to registration</u>

1. Under "Directions for Use" first paragraph, delete the statement "FLO-MO 810 Sucker can be used alone or followed by a systemic sucker control agent in a dual treatment program." or list the recommended product and include on the label recommended application rates, directions for use, advantages obtained, and any precautionary statements required. All claims must be supported by efficacy, crop injury and yield data prior to registration.

2. Under "Number of Applications" delete the sentence "Some growers favor a dual treatment using FLO-MO 810 Sucker first (at late button stage) followed 1 to 2 weeks later with a systemic sucker control agent (maleic hydrazide) used in accordance with the manufacturers instructions." If you are recommending a sequential maleic hydrazide treatment, so indicate, and provide the necessary label directions supported by data as indicated in 204.1 above. Maelic hydrazide is presently registered for use by itself with no label recommendation for use as a sequential treatment.

3. Label directions for hard sprayers must read 4-5 fluid

ounces per gallon...

4. Label must indicate the conditions under which the lower application rate should be used.

It is suggested that Dr. E. B. Whitty, chairman of the Regional Tobacco Growth Regulator Committee, be contacted concerning entrance into the committee's testing program and the types of data required by the committee at 303 Newell Hall, Dept. of Agronomy, University of Florida, Gaineville, Florida 32601.

Comment

It is not necessary that all data required in support of registration be generated during this experimental year. Extensions of this EUP may be granted in future years so that all necessary data requirements may be addressed prior to submission for registration. The 1976 EUP label is acceptable pending the necessary label revisions (203.0).

Richard Petrie WF Efficacy and Ecological Effects Branch

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al of suckers. Apply any begin to close in the evening or when plant is wet or more after application, necessary. reapplication should not be time during day until leaves f rainfall occurs one hour

Method of Application:

spray directed downward at psi is required. 5-8" above the top of the Teaves. Not more than 20 the top of the stalk from land spraying -Use coarse

*F10-Mo

Control Agent-Growth Regula-

810 Tobacco Sucker

Sellers Chem. Corp.

(6.04 lbs. ai/gallon)

Add water to Flo-Mo 810 stand. to water. rather than Flo-Mo 810 separate if allowed to Diluted emulsion may

Mix emulsion well immediately prior to use.

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ŧ :

any suckers over one inch early flower stage and remove Application Time: Top tobaccolbright sunlight temp. plants in late button to labove 90°F

plants in late button to

Do not apply if winds are high enough to turn top

result to underside of leaves as injury may leaves

days after topping and removstraight up. Spray within 2 suckers, and plants must be long. Emulsion must contact

po not apply during rains

POWER POLITICATION APPLICATION APPLICATION APPLICATION APPLICATION APPLICATION APPLICATION APPLICATION APPLICATION Power equipment: Use 3 noz- nozie 9 one rither the treat enter nozie 9 one rither and side power the row and side nozie 9 one rither and side nozie 9 one rither and side power the row and side nozie 9 one rither and side power the row and side nozie 9 one rither and side power the row and side nozie 9 one rither and side power the row and side nozie 9 one rither and side power the row and side nozie 9 one rither and side power the row and side nozie 9 one rither and side power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other power the row and side nozie 9 one rither and by treated with other present. Power the row and side nozie 10 one rither and by treated with other present. Power the row and side nozie 10 one rither and by treated with other present. Power the row and side nozie 10 one rither and by treated with other present. Power the row and side nozie 10 one the row and side nozie 10 one the solutions of the row and side nozie 10 one sill 10 one nozie 10 one				R) T	Ä .		1
equipment: Use 3 nozer row. Direct center over the row and side 9" on either side ed at or slightly above of stalk. Use coarse 12"-16" above top of plant. Do not exceed boom pressure (at 20. si w/recommended nozt speed of 2 1/2-3 MPH lons will be applied/A) OF APPLICATIONS Initial treatment may elf secondary sucker ts vigorous.		USE	P.P.M.	YCLNYT FERNACEE	FOFIGULATION	CATION	
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