



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number
234820

Application for Pesticide - Section I

1. Company/Product Number Micro Flo Co./ 51036-191	2. EPA Product Manager James Stone	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Micro Flo Cotton Micro Flo Co./ Growth Regulator	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) Micro Flo Company P.O. Box 5948 Lakeland, FL 33807 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification of revised advisory statement in the "Compatibility" section per PR Notice 95-2. Additional certification statements are attached to this form.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input checked="" type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	<input checked="" type="checkbox"/> Glass	<input checked="" type="checkbox"/> Paper
		If "Yes" Package wgt	No. per container	<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 10 x 40 grams		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Lee Tharrington	Title Registrations Assistant	Telephone No. (include Area Code) (941) 647-3608
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registrations Assistant	
4. Typed Name Lee Tharrington	5. Date 9/11/95	

decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Personal Protective Equipment required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- 1) Coveralls
- 2) Waterproof gloves
- 3) Shoes plus socks

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Store in original container only, in a cool, dry, locked area. Tightly close or re-seal partially used containers to minimize moisture absorption. Store separately from other pesticides, fertilizers, food or feed to prevent contamination. In case of a spill or broken container, call CHEMTREC at 1-800-424-9300.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty package into application equipment. Then dispose of empty package in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. Stay out of smoke from burning bags.

IN CASE OF EMERGENCY:

In case of large-scale spillage regarding this product, call CHEMTREC at 1-800-424-9300.

In case of medical emergency regarding this product, call your local doctor for immediate treatment, or your local poison control center (hospital).

GENERAL INFORMATION

MICRO FLO COTTON GROWTH REGULATOR is a dry, concentrated "pill" form of the chemical active ingredient used in the liquid products sold by BASF Corporation under the PIX Brand name and by Micro Flo under the brand name Mepichlor 4.2% Liquid. This pill form of

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Mepiquat Chloride has been designed to be easy and economical to use and for easy container disposal. The sizes have been chosen so that one "pill" will be equivalent to one quart of 4.2% Liquid product.

MICRO FLO COTTON GROWTH REGULATOR is a foliar applied plant regulator. Benefits derived from the use of MICRO FLO COTTON GROWTH REGULATOR include increased boll retention, reduced plant height which provides a more open canopy, less boll rot, improved defoliation, less trash, and a darker leaf color. These benefits can provide for earlier maturity and often result in improved yields.

Growers may use single or multiple applications. Application rates are dependent on the number of applications to be made and growing conditions. Multiple applications of low rates provide maximum flexibility under a wide range of growing conditions. MICRO FLO COTTON GROWTH REGULATOR should not be applied to plants under stress. If stress is alleviated, plants should be evaluated for vegetative growth before additional applications are made. MICRO FLO COTTON GROWTH REGULATOR may be tank mixed with insecticides/miticides when application timings coincide (See Restrictions and Limitations.)

Fields should be carefully scouted. MICRO FLO COTTON GROWTH REGULATOR should not be applied if plants are under any form of stress. In the absence of stress, a maximum of four low rate applications can be made each season, generally using 1/16th to 1/8th pill/acre each time. The first application can be applied at the match head square stage. The rate and timing of subsequent applications depend on growing conditions. Under good growing conditions additional treatments (1/16th to 1/8th pill/acre) can be made at 7-14 day intervals. Higher rates of MICRO FLO COTTON GROWTH REGULATOR (1/8th to 1/4th pill/acre) should be used if vegetative growth becomes excessive and a greater degree of height control is desired. Do not use more than a total of 3/4ths of a pill/acre in a growing season.

Spray Volumes: Thorough coverage is required.

In Water:

Areas other than California:

Ground Application - Use a minimum of 10 gallons of water per acre.

Aerial Application - Use a minimum of 3 gallons/acre.

California Only:

Ground Application - Use a minimum of 20 gallons/acre.

Aerial Application - Use a minimum of 5 gallons/acre.

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AREA	TIME OF APPLICATION	RATE PER ACRE
AL, AR, AZ, CA, FL, GA, LA, MO, MS, NM, NC, SD, TN, VA	<p>First application: Apply when cotton is actively growing and is between 20" and 30" tall, but not more than 7 days beyond early bloom (5-6 blooms per 25 row feet). Also apply if cotton is 24" tall and has no bloom.</p> <p>Use 1/4 pill per acre rate on cotton where excessive vegetative growth is not expected and use 1/2 pill per acre in areas where excessive vegetative growth has historically occurred See Restrictions and Limitations.</p>	1/4th to 1/2 pill
	<p>Second application: Make another application in 3 to 4 weeks if additional growth control is desired.</p>	1/4th pill
OK, TX, (except Rio Grande Valley)	<p>Areas <u>without</u> a history of excessive vegetative growth:</p> <p>First application: Apply when cotton is in early bloom stage (5-6 blooms per 25 row feet) and actively growing. Also apply if no blooms are present and the cotton is 24" tall and actively growing. See Restrictions and limitations.</p>	1/4th pill
	<p>Second application: Make a second application in 3-4 weeks if additional growth control is desired.</p>	1/4th pill
OK, TX	<p>Areas <u>with</u> a history of excessive vegetative growth:</p> <p>First application: For best results, apply when plants are in early bloom stage (5-6 blooms per 25 row feet) and an average of 24" tall. Treatments can also be made when cotton height averages a minimum of 20" and a maximum of 28", provided cotton is not more than 7 days beyond early bloom. See Restrictions and limitations.</p>	1/2 pill

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<p>Second application: For fields with a history of excessive growth, or if conditions after the first application favor excessive growth, make a second application in 3-4 weeks.</p>	<p>1/4th pill</p>
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SEE CONVERSION CHART AT END OF DIRECTIONS FOR USE.

II. Low-rate multiple applications:

Use these instructions when you want to maintain maximum flexibility in plant regulation treatments.

AREA	TIME OF APPLICATION	RATE PER ACRE Excessive Growth Not Expected or Lower Rates Have Worked in the Past.	RATE PER ACRE Excessive Growth Expected or Higher Rates Have Been Necessary in the Past.
AL, AR, AZ, CA, FL, GA, LA, MO, MS, NC, NM, OK, SC, TN, TX, VA	First application: Apply at the matchhead square' stage of growth.	1/16th pill	1/8th pill
	Second application: 7-14 days later, or when regrowth occurs.	1/16th pill to 1/8th pill*	1/8th to 1/4th pill*
	Third application: 7-14 days later, or when regrowth occurs.	1/16th to 1/8th pill*	1/8th to 1/4th pill*
	Fourth application: 7-14 days later, or when regrowth occurs.	1/16th to 1/8th pill*	1/8th to 1/4th pill*

* Use the higher rate if previous application was not made or if growing conditions favor excessive growth.

' Matchhead square is when the first square of a typical cotton plant is 1/8 - 1/4" in diameter. Make the first application when 50% of the plants have one or more matchhead squares.

CONVERSION CHART

Use this chart to compare MICRO FLO COTTON GROWTH REGULATOR and liquid equivalents.

MICRO FLO COTTON GROWTH REGULATOR	MEPICHLOR 4.2% LIQUID
1/16th pill	.2 fl. oz.
1/8th pill	4 fl. oz.
1/4th pill	8 fl. oz.
1/2 pill	16 fl. oz.
1 pill	32 fl. oz.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of MICRO FLO COMPANY ("MICRO FLO") or the Seller. All such risks shall be assumed by the Buyer.

MICRO FLO warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Directions for Use when it is used in accordance with such directions, subject to the inherent risks mentioned above.

MICRO FLO NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT