

19713-643

3/11/2014

1/13



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms Luz G Chan
Drexel Chemical Company
PO BOX 13327
Memphis, TN 38113-0327

MAR 11 2014

Subject: Notification for label changes per PRN 98-10: Primary Brand Name change and other changes
New Primary Brand Name: **Drexel MEP 12X**
Submission date: 2/18/2014
Current Product Name: Drexel MEP-FLEX 12X
EPA Reg. No. 19713-643
Decision Number 488273


Dear Registrant:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10. The Registration Division (RD) has conducted a review of this request for applicability under PRN 98-10 and finds that the action(s) requested falls within the scope of PRN-98-10.

The Primary Brand Name **Drexel MEP 12X** dated 2/18/14 is "acceptable" and will be placed in the regulatory file. The Brand Name Drexel MEP-FLEX 12X is now listed as alternate in our files.

If you have questions concerning this letter, please call Banza Djapao at 703-305-7269 or via email at djapao.banza@epa.gov, or you may call me at 703-308-3194.

Sincerely,


Shaja B. Joyner
Product Manager 20
Fungicide Branch
Registration Division (7504P)



United States
Environmental Protection Agency
Washington, DC 20460

 Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

| | | |
|---|--|--|
| 1. Company/Product Number 19713-643 | 2. EPA Product Manager MARCEL HOWARD | 3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name) DREXEL MEP-FLEX 12X | PM# 20 | |
| 5. Name and Address of Applicant (Include ZIP Code) Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327 <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.)
 Submission of revised basic brand name and other label updates. Details are in the cover letter accompanying this submission. Thank you.

This notification is consistent with the provisions of PR Notice 98-10 and EPA Regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Sections 12 and 14 of FIFRA.

Section - III

| | | | | | |
|--|--|---|-------------------|--|---|
| 1. Material This Product Will Be Packaged In: | | | | 2. Type of Container | |
| Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | <input type="checkbox"/> Metal | <input checked="" type="checkbox"/> Plastic |
| | | | | <input type="checkbox"/> Glass | <input type="checkbox"/> Paper |
| | | | | <input type="checkbox"/> Other (Specify) _____ | |
| * Certification must be submitted | | If "Yes" Unit Packaging wgt. | No. per container | If "Yes" Package wgt | No. per container |
| 3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container | | 4. Size(s) Retail Container < 5 gals; 5 gals. and greater | | 5. Location of Label Directions <input type="checkbox"/> _____ <input type="checkbox"/> On the Label | |
| 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 Luz G Chan | Title Registration Manager | Telephone No. (Include Area Code) (501) 774-4370 |
| 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 Registration Manager | |
| 4. Typed Name Luz G Chan | 5. Date February 18, 2014 | |



Drexel Chemical Company

February 18, 2014

3/13

2/25

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Rm S-4900, One Potomac Yard
2777 South Crystal Drive
Arlington, VA 22202

**Re: Change of Basic Brand Name and Label Updates by Notification
DREXEL MEP-FLEX 12X (EPA Reg. No. 19713-643)**

Sir/Madam:

We would like to request for a change in the basic brand name, Drexel Mep-Flex 12X, to **Drexel MEP 12X**. We request that Drexel Mep-Flex 12X be designated as the alternate brand name.

In addition, on page 6 of the label, for consistency, "Refer to section Late Season Application of this Product" was revised to read "Refer to section Late Season Application".

Also, the trademark ownership statement was updated.

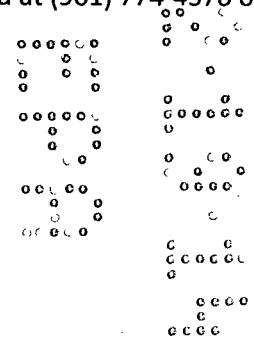
The changes were highlighted for easy reference.

If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail Lchan@drexchem.com.

Thank you.

Respectfully yours,
DREXEL CHEMICAL COMPANY


Luz G Chan
Registration Manager



4/13



MEP 12X

Plant Regulator

Liquid Plant Growth Regulator For Use on Cotton

ACTIVE INGREDIENT:

Mepiquat Chloride: N,N-dimethylpiperidinium chloride 50.39%

OTHER INGREDIENTS: 49.61%

TOTAL: 100.00%

This product contains 4.4 pounds of active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN WARNING / AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below

EPA Reg. No. 19713-643
EPA Est. No. 19713-TN-7

Net Content: _____

| FIRST AID | |
|--|--|
| IF SWALLOWED: | |
| <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person. | |
| IF ON SKIN OR CLOTHING: | |
| <ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice. | |
| IF IN EYES: | |
| <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. | |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.</p> | |

Manufactured By:



Drexel Chemical Company
P.O. BOX 13327, MEMPHIS, TN 38113-0327
SINCE 1972

643SP-0214*

5/13

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: May be fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves (such as nitrile, butyl, neoprene and/or barrier laminate), shoes plus socks.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticide [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, 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 (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

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

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks.

PRODUCT INFORMATION

MEP 12X is a water-based foliar applied plant regulator that modifies the cotton plant in several beneficial ways. It allows the grower to manage the cotton plant for **short-season production** leading to reduced risk of yield and quality loss due to delayed and prolonged harvest. Additional benefits derived from the use of this product include:

- height reduction and more canopy
- increased early boll retention and/or larger bolls
- less boll rot
- improved defoliation
- reduced trash and lower ginning costs
- better harvest efficiency
- darker green leaf color

These benefits can provide for earlier maturity and may result in improved yields.

Spray Coverage

Under most circumstances, water is the preferred diluent, however, oil is permitted in the following states for ultra low volume (ULV) aerial applications: Alabama, Arkansas, Florida, Georgia, Louisiana, Missouri, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas.

Refer to "Air Application" and "Ground Application" sections for spray volumes.

Regardless of method or gallonage of application, thorough coverage of the cotton foliage is required.

Cleaning Application Equipment

Clean application equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying this product, particularly if a product with the potential to injure crops was used.

APPLICATION INSTRUCTIONS

Early Application

On both short-staple and Pima cotton, the grower has the option of low-rate multiple applications (see "Table 1. Low Rate Multiple Applications") or higher, less frequent dosages (see "Table 2. High Rate Single or Multiple Applications") which greatly facilitates his management flexibility. The multiple application option gives the producer the ability to discontinue usage of this product if any significant stresses occur after an earlier application. In such a case, the total quantity of this product used over a season may be reduced. If stress is relieved, the grower has the option of continuing treatments with this product. In addition, the rate and timing ranges indicated in the "Application Rates and Timing" section allow the grower to tailor his usage of this product to the degree of vegetative vigor in a given field. In areas where insecticides, miticides or foliar fertilizers are frequently applied, tank mixing with this product can be made when application coincide. (See "Tank Mixing" section).

Fields have to be scouted carefully. Do not apply this product if plants are under severe stress from weather factors, mite, insect or nematode damage, disease stress, herbicide injury, or fertility stress. In the absence of these stresses, up to 5 low-rate multiple applications can be made each season. After the first application at matchhead square (in the absence of stress), the rate and timing of subsequent applications will depend on vegetative vigor. Under good growing conditions, additional treatments at 7 to 14 day intervals can be made. However, higher labeled rates of this product can be used at any time if new growth is excessive or if a greater degree of height control is desired.

If significant loss of squares and/or young bolls has occurred earlier due to insect pressure or other stresses, but now these stresses have all been alleviated, the need for this product is increased - excess vegetative growth is likely because of poor boll load.

Late Season Application

Late application of this product (approximately during the 4th to 6th week of blooming) can provide certain benefits to cotton. However, it will not and does not substitute for early season use - the time of the

greatest benefit from the use of this product. Late season application can lead to one or more of the following:

- reduction in late season vegetative growth or regrowth after cutout or defoliation
- more complete and manageable cutout
- better defoliation
- earlier maturity
- reduction in trash
- lower ginning costs

Some of these effects may favorably influence the yield potential and fiber quality. Make a late season application of this product only if fields are not drought or nutrient stressed; that is, those fields likely to experience additional vegetative growth or regrowth. However, fields that are very rank and extremely vigorous due to a combination of poor boll load and excellent growing conditions may not respond as much as desired to late season applications at the labeled rates.

Timing for Late Season Applications

- **On fields where cotton cuts out and then starts regrowth:** Apply when regrowth begins, as evidenced by new leaves in the terminal and stem elongation. This would often be, but not always, 5 to 6 weeks after the first bloom.
- **On fields where cotton never completely cuts out:** Apply this product when there are 4 to 6 nodes above the white flower (NAWF). Measure NAWF by counting the number of mainstem nodes from the first position white bloom (the one closest to the mainstem) to the terminal. Count the node with the first position white bloom as zero and the last node in the terminal, which is counted, should have a leaf at least the size of a quarter. Generally, the NAWF first reaches 4 to 6 nodes during the 4th to 6th week of bloom. During this time, the NAWF will be decreasing about one node every 5 to 6 days. If its rate of decrease is less, the plant is not cutting out soon enough (the crop is too vigorous). If the 5th week of bloom arrives and NAWF is still above 5 to 6, apply this product.

Use Rate for Late Season Application

Apply 0.68 to 2 fluid ounces of this product per acre. Use the lower rate range on cotton with only moderate additional growth potential, and the higher rate on fields likely to continue vigorous growth. Do not apply more than 3.6 fluid ounces of this product per season (early plus late application).

GROUND APPLICATION

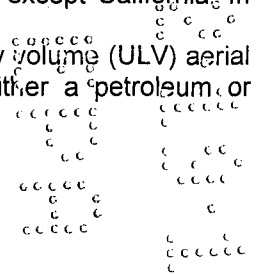
SPRAY VOLUME

Water as Diluent: Use 2 gallons of spray solution per acre in all states except California. In California, use a minimum of 5 gallons of spray solution per acre.

AIR APPLICATION

SPRAY VOLUME

- **Water as Diluent:** Use a minimum of 2 gallons of water per acre in all states except California. In California, use a minimum of 5 gallons of water per acre.
- **Oil as Diluent:** Use a minimum of total oil volume of 1 quart per acre for ultra low volume (ULV) aerial application. When using oil as a diluent, the oil concentrate must contain either a petroleum or vegetable oil base and must meet all of the following criteria:
 - be non-phytotoxic
 - contain only EPA-exempt ingredients
 - provide good mixing quality in the jar test
 - has been locally used successfully



The exact composition of suitable products will vary; however, vegetable and petroleum oil concentrates has to contain emulsifiers to provide good mixing quality. If the oil does not contain an emulsifier, one must be added during mixing at a volume equal to 3% of the final volume of the mixing tank. Do not apply this product as ULV without using emulsifiers. Highly refined vegetable oils have

proven more satisfactory than unrefined vegetable oils. For additional information, see "Compatibility Test for Mix Components".

Application in oil is permitted only in Alabama, Arkansas, Florida, Georgia, Louisiana, Missouri, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee and Texas.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed three-fourths the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downward more than 45 degrees.

Where states have more stringent regulations, they must be observed.

Aerial Drift Reduction Advisory Information

Importance of Droplet Size: The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying the larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see "Wind, Temperature and Humidity, and Temperature Inversion" section of this label).

Controlling Droplet Size:

Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets. Use a minimum of 2 gallons of water per acre. Increase water volume to at least 10 gallons of water per acre if grass foliage or crop canopy is dense.

Pressure – Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure. Use up to 40 psi.

Number of Nozzles – Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation – Orienting nozzles so that the spray is released backward, parallel to the airstream, will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.

Nozzle Type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types. Use only diaphragm-type nozzles that produce fan spray patterns.

Boom Length: For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

Application Height: Applications must not be made at a height greater than 10 feet above the top of the largest plants. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

Swath Adjustment: When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

Wind: Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Application must be avoided below 2 mph due to variable wind direction and high inversion potential. Do not apply this product by aircraft when wind is blowing more than 10 mph. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

Temperature and Humidity: When making applications in low relative humidity, set equipment up to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

Temperature Inversions: Applications must not occur during a temperature inversion, because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light and variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

Sensitive Areas: Apply the pesticide only when the potential for drift to adjacent areas, (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

APPLICATION RATES AND TIMING

TABLE 1. LOW RATE MULTIPLE APPLICATIONS

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

| Geographic Area | Time of Application | Rate Per Acre (fl. ozs.) | |
|--|--|--|---|
| | | Fields with Excessive Growth Not Expected or Lower Rates Have Worked in the Past | Fields with 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: Optimal results will be achieved when plants are in the matchhead square* stage of growth. | 0.15 | 0.3 |
| | Second Application: 7 to 14 days later, or when regrowth occurs. | 0.15 | 0.3 |
| | Third Application: 7 to 14 days later, or when regrowth occurs. | 0.15 to 0.32** | 0.15 to 0.3** |
| | Fourth Application: 7 to 14 days later, or when regrowth occurs. | 0.15 to 0.6** | 0.3 to 0.9** |
| | Fifth Application (if needed): 7 to 14 days later, or when regrowth occurs. | 0.33 to 0.6** | 0.3 to 0.9** |
| | Late Season: Refer to section " Late Season Application " | 0.6 to 1.2** | 0.9 to 2.0** |

* Matchhead square is when the first square of a typical cotton plant is 1/8 to 1/4 inches in diameter.
 ** Make the first application when 50% of the plants have one or more matchhead squares.
 Use higher rates if previous application was not made or if growing conditions are conducive to excessive growth.

TABLE 2. HIGH RATE SINGLE OR MULTIPLE APPLICATIONS

Use the below instructions when you are not able to start growth regulation treatments early or when you want to make the fewest number of applications.

| Geographic Area | Time of Application | Rate per Acre (fl. ozs.) |
|---|--|--------------------------|
| AL, AR, AZ, CA, FL, GA, LA, MO, MS, NM, NC, SC, TN, VA | First Application: Apply this product to actively growing cotton that is between 20 to 30 inches tall, provided cotton is not more than 7 days beyond early bloom stage (5 to 6 blooms per 25 row feet). Apply this product as well if cotton is 24 inches tall and has no blooms. Use the 0.6 fluid ounce per acre rate on cotton where excessive vegetative growth is not expected, and the 1.2 fluid ounce per acre rate in areas where excessive vegetative growth has historically occurred. See "Restrictions and Limitations" section. | 0.6 to 1.2 |
| | Second Application: If additional growth is desired, make a second application 2 to 3 weeks after the first application. | 0.6 to 1.2 |
| | Third Application to Control Excessive Vegetative Growth: If the cotton field has a history of vigorous growth or if conditions continue to favor vigorous growth, make a third application 1 to 2 weeks after the second application. | 0.6 to 1.2 |
| | Late Season Application: Refer to "Late Season Application" under the section "Application Instructions". | 0.6 to 2.0 |
| AREAS WITHOUT HISTORY OF EXCESSIVE VEGETATIVE GROWTH | | |
| OK, TX (except Rio Grande Valley) | First Application: Apply this product to actively growing cotton in the early bloom stage (5 to 6 blooms per 25 row feet). Apply this product as well if no blooms are present and the cotton is 20 inches tall and actively growing. See "Restrictions and Limitations" section. | 0.6 |
| | Second Application: If additional growth is desired, make a second application 2 to 3 weeks after the first application. | 0.6 |
| | Third Application: If conditions after the second application continue to favor vigorous growth, make a third application 1 to 2 weeks after the second application. | 0.6 |
| | Late Season Application: Refer to "Late Season Application" under the section "Application Instructions". | 0.6 to 2.0 |
| AREAS WITH HISTORY OF EXCESSIVE VEGETATIVE GROWTH | | |
| OK, TX (including Rio Grande Valley) | First Application: Apply when plants are in the early bloom stage (5 to 6 blooms per 25 row feet) and an average of 24 inches tall for best results. Applications can also be made when cotton height averages a minimum of 20 inches and a maximum of 30 inches, provided cotton is not more than 7 days beyond early bloom stage. Also, apply this product if cotton is 24 inches tall and has no blooms. See "Restrictions and Limitations" section. | 1.2 |
| | Second Application: If cotton field has a history of excessive growth, if conditions after the first application favor excessive growth, make a second application 2 to 3 weeks after the first application. | 0.6 to 1.2 |
| | Third Application: If conditions after the second application continue to favor vigorous growth, make a third application 1 to 2 weeks after the second application. | 0.6 to 1.2 |
| | Late Season Application: Refer to "Late Season Application" under the section "Application Instructions". | 0.6 to 2.0 |

11/13

ADDITIVES

If rain is expected within 8 hours, use a high-quality surfactant to make this product rain-safe after 4 hours.

COMPATIBILITY TEST FOR MIX COMPONENTS

Add components in the following sequence using 2 teaspoons for each pound or 1 teaspoon for each pint of specified label rate per acre.

1. **Water** – For 20 gallons per acre spray volume, use 3.3 cups (800 ml) of water. For other spray volumes, adjust rates accordingly. Use only water from the intended source at the source temperature.
2. **Products in PVA Bags** – Cap the jar and invert 10 cycles.
3. **Water-Dispersible Products** – (dry flowables, wettable powders, suspension concentrates, or suspensions) Cap the jar and invert 10 cycles.
4. **Water-Soluble Products** – (such as this product) Cap the jar and invert 10 cycles.
5. **Emulsifiable Concentrates** – (oil concentrate) Cap the jar and invert 10 cycles.
6. **Water-Soluble Additives** – Cap the jar and invert 10 cycles.
7. Let the solution stand for 15 minutes.
8. **Evaluate** the solution for uniformity and stability. The spray solution should not have free oil on the surface, nor fine particles that precipitate to the bottom, not thick (clabbered) texture. Do not use any spray solution that could clog spray nozzles.

MIXING ORDER

1. **Water:** Begin by agitating a thoroughly clean sprayer tank half full of clean water.
2. **Products in PVA Bags:** Rinse the tank thoroughly before adding any material in PVA bags as boron residue will prevent adequate mixing. Place the water-soluble PVA bag into the mixing tank. The water-soluble PVA bag will dissolve in water to allow the contents to disperse. Wait until all water-soluble PVA bags have fully dissolved and the plant regulator is evenly mixed in the spray tank before continuing.
To prepare spray solution for aerial application, use a mixing tank or mixing vat first to get the product into suspension before transferring suspension to air application equipment.
3. **Water-Dispersible Products:** (dry flowables, wettable-powders, suspension concentrates, or suspensions).
4. **Water-Soluble Products**
5. **Emulsifiable Concentrates**
6. Remaining quantity of water.

Only moderate agitation should be used while mixing and transporting.

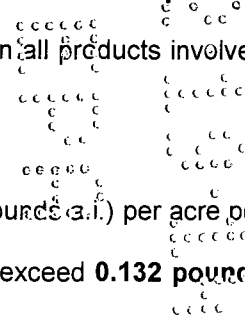
TANK MIXING INFORMATION

This product has an aqueous base, and as such, is compatible with most insecticides and miticides. You may combine this product with foliar fertilizers if prior experience has shown this product to be compatible and non-injurious under your conditions. Always perform a **Compatibility Test for Mix Components** before preparing a tank mix application.

Read and follow the applicable restrictions and limitations and directions for use on all products involved in tank mixing. The most restrictive labeling applies to tank mixes.

RESTRICTIONS AND LIMITATIONS

- Do not apply through any type of **irrigation** equipment.
- Maximum seasonal use rate: Do not apply more than 3.83 fluid ounces (0.132 pounds a.i.) per acre per season.
- The sum of all products and formulations containing mepiquat chloride must not exceed **0.132 pounds** of mepiquat chloride per acre per season.
- **Preharvest Interval (PHI):** Do not apply within **30 days** of harvest.
- **Restricted Entry Interval (REI): 12 hours**
- Do not plant another crop within 75 days of last treatment.



14/13

- **Stress:** Do not apply to cotton plants under severe stress due to adverse weather conditions, mite, insect, or nematode damage, disease, herbicide injury, or fertility stress. If using the low-rate multiple option, discontinue use until the stress is alleviated.
- Do not graze or feed cotton forage to livestock.

TABLE OF EQUIVALENCE

| Rate of This Product Per Acre (fl. oz.) | Number of Acres Treated | | |
|--|-------------------------|---------|----------|
| | Amount of This Product | | |
| | 1 pint | 1 quart | 1 gallon |
| 0.15 | 106 | 215 | 861 |
| 0.3 | 53 | 106 | 430 |
| 0.6 | 26 | 53 | 214 |
| 0.9 | 18 | 36 | 142 |
| 1.06 | 15.3 | 30.5 | 122 |
| 2.0 | 8.5 | 17 | 66 |

STORAGE AND DISPOSAL

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

Pesticide Storage: Do not store below 32 F or above 100 F. Store in a dry place away from heat or open flame.

Pesticide Disposal: Pesticide wastes are toxic. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide spray mix, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Container (rigid material; less than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Container (\geq 250 gallons & Bulk): Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

For Marketing Use:

- American Made for Cotton Growers
- Cotton bolls illustration

Mep and the Drexel logo are registered trademarks of Drexel Chemical Company. All other brand names, product names, or trademarks belong to their respective holders.

