

228-606

6/19/2009

10914

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



OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Ms. Lizbeth Rea
Product Registration
Nufarm Americas, Inc.,
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

JUN 19 2009

Subject: Notification for Label Revisions under PRN 98-10, and PRN 2007-4
Storage & Disposal and Primary Brand Name Change

Dear Registrant:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 98-10, and 2007-4 dated April 7, 2009 and June 9, 2009 for:

EPA Registration 228-606 "Gin Out Plant Growth Regulator"

The Registration Division (RD) has conducted a review of the request(s) for applicability under PRN 98-10, and PRN 2007-4 and finds that the label changes requested fall within the scope of PRN-98-10 and PRN-2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

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	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 228-606	2. EPA Product Manager Tony Kish	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) DuPont(TM) Mepex(R) Gin Out(TM) plant growth regulator	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 105 Harvester Drive, Suite 200 Burr Ridge, IL 60527 <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. <u>NOTIFICATION</u> Product Name <u>JUN 19 2009</u>	

Section - II


<input type="checkbox"/> Amendment - Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other - Explain below.
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Explanation: Use additional page(s) if necessary. (For section I and Section II.)
 Notification of a change in primary brand name and minor label changes per PRN 98-10. Limited Warranty and Disclaimer changed per the 10/17/06 Guidance on Warranty Statements. Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR Sections 152.46, 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the Confidential Statement of Formula for 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 the amended label is not consistent with the requirements mentioned above, 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:			
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	2. Type of Container <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 2.5 gal, 250 gal.		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 Lizbeth Rea	Title Registration Manager	Telephone No. (Include Area Code)
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 Lizbeth Rea	5. Date 06/09/2009	



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Nufarm Americas, Inc.
Lizbeth Rea
Registration Manager
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527
Phone: 919.655.0701 Fax: 919.342.5176
liz.rea@us.nufarm.com

April 7, 2009

COURIER DELIVERY

Tony Kish (PM 22)
Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
Room S-4900, One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202-4501

RE: DuPont™ Mepex® Gin Out™ plant growth regulator (EPA Reg. No. 228-606)
Label Changes and Change in Primary Brand Name per PRN 98-10

Dear Mr. Kish,

Enclosed with this letter are the following documents in support of our request to make minor changes to the label and change the primary brand name of this product under PR Notice 98-10.

- Completed Application for Registration (EPA Form 8570-1)
- One (1) copy of the DuPont™ Mepex® Gin Out™ plant growth regulator labeling with the changes tracked.
- Five (5) copies of the Mepex® Gin Out™ Plant Growth Regulator label with changes incorporated.

This product was transferred from DuPont to Nufarm January 16, 2009. As a result there are minor changes (name, company name and address, registration number, container disposal statement under PRN 2007-4, warranty and disclaimer statements...) needed to the label to make it a Nufarm label. No other changes were made to the CSF or registration at this time.

Please contact me at 919/655-0701 if you have questions and/or comments.

Sincerely,



Lizbeth Rea
Registration Manager

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JUN 19 2009

DuPont™ Gin Out™

Plant Growth Regulator

	<i>By Weight</i>
Active Ingredients *:	
Mepiquat chloride: N,N-dimethylpiperidinium chloride.....	4.2000%
Kinetin.....	0.0025%
Inert Ingredients.....	95.7975%
TOTAL.....	100.0000%

*Equivalent to 0.35 pounds mepiquat chloride per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for [5-20 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.

IF SWALLOWED: 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800A41-3637 for emergency medical treatment information.

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS**

Caution! Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT

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-resistant category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene and/or barrier laminate)
- Shoes plus socks

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

Engineering Controls Statement: 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 pesticides [40 CFR 170,240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Important: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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.

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.

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and 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. 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.

PPE 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:

Coveralls

Chemical-resistant gloves made of any waterproof material (such as nitrile, butyl, neoprene, and/or barrier laminate)

- Shoes plus socks

GENERAL INFORMATION

~~DuPont™ GIN-OUT™~~ This product is a 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. The use of GIN-OUT™ this product will often favorably influence the yield potential of the cotton plant through several or all of the following:

- Darker green leaf color
- Better early boll retention and/or larger bolls
- Height reduction and more open canopy
- Less boll rot
- Improved defoliation
- Reduced trash and lower ginning costs
- Better harvest efficiency

The purple color of GIN-OUT™ this product may fade under some conditions; however, effectiveness is not related to color of spray solution or the color of this product GIN-OUT™.

Spray Coverage

Under most circumstances, water is the recommended 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 and Ground Application sections for spray volumes.

Regardless of the 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

On both short-staple and Pima cotton, the grower has the option of low-rate multiple applications (see Table 1) or higher, less frequent dosages (see Table 2), which greatly facilitates management flexibility. The multiple application option gives the grower the ability to discontinue usage of this product GIN-OUT™ if any significant stresses occur after an earlier application. In such a case, the total quantity of this product GIN-OUT™ used over the season may be reduced. If stress is relieved, the grower has the option of continuing treatments with this product GIN-OUT™. In addition, the rate and timing ranges indicated in Table 1 and Table 2 allow the grower to tailor usage of this product GIN-OUT™ to the degree of vegetative vigor in a given field. In areas where insecticides, miticides or foliar fertilizers are frequently applied, the timings are such that tank mixing is often possible (See section General Tank Mixing Information).

Fields should be carefully scouted and this product GIN-OUT™ should not be applied 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, the rate and timing of subsequent applications will depend on vegetative vigor. Under good growing conditions, additional treatments should be made at 7 to 14 day intervals. However, if new growth at any time is excessive, higher rates of this product GIN-OUT™ can be used.

If significant loss of squares or young bolls has occurred earlier due to insect pressure or other stresses, but now these stresses have been alleviated, the need for this product GIN-OUT™ is increased as excess vegetative growth is likely due to poor fruit load.

Spray Volume Ground Application

- Water as Diluent: Use a minimum of 2 gallons of water per acre.

Air Application

- Water as Diluent: Use a minimum of 2 gallons of water per acre.
- Oil as Diluent: Use a minimum of 1/4 quart of oil per acre. 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 nonphytotoxic
 - Contain only EPA-exempt ingredients - Provide good mixing quality in the jar test - Be successful in local experience

The exact composition of suitable products will vary, however, vegetable and petroleum oil concentrates should 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 DuPont™ GIN-OUT™ in a ULV treatment without using emulsifiers. Highly refined vegetable oils have proven more satisfactory than unrefined vegetable oils. For additional information, see Compatibility Test for Mix Components.

Variable Rate Application

This product GIN-OUT™ is recommended for use in variable rate applications to address site-specific or localized needs within individual fields. Timing, rate, and spray volume used in variable rate applications must fall within the ranges specified in other portions of this label. All restrictions and precautions on this label also apply to variable rate applications. In applications where rate variation is achieved by adjusting spray volume, particular care must be taken to ensure that thorough coverage of cotton plants is achieved and spray drift is minimized.

ADDITIVES

If rain is expected within 4 hours, use a high-quality EPA- exempt surfactant to make this product GIN-OUT™ rain-safe after 1-2 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 recommended 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 suspo-emulsions): Cap the jar and invert 10 cycles.
- 4) Water-Soluble Products (such as this product GIN-OUT™): Cap the jar and invert 10 cycles.
- 5) Emulsifiable Concentrates (Oil concentrates): Cap the jar and invert 10 cycles.
- 6) Water-Soluble Additives: Cap the jar and invert 10 cycles. Let the solution stand for 15 minutes.

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, nor 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 suspo-emulsions).
- 4) **Water-Soluble Products (GIN OUT™)**
- 5) **Emulsifiable Concentrates**
- 6) **Remaining Quantity of Water**

Only moderate agitation should be used while mixing and transporting.

GENERAL TANK MIXING INFORMATION

This product GIN-OUT™ has an aqueous base, and as such, is compatible with most insecticides and miticides. You may combine this product GIN-OUT™ with foliar fertilizers if prior experience has shown this product GIN-OUT™ to be compatible and noninjurious under your conditions. Always perform the **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.

Table 1. Applications Starting at Matchhead Square

Geographic Area	Time of Application	Fields with Moderate Vegetative Vigor: Rate per Acre	Fields with High Vegetative Vigor: Rate per Acre
All States	<p>First application: Pinhead to matchhead square** stage of growth.</p> <p>Second application: 7 to 14 days later, or when regrowth occurs,</p> <p>Third application: 7 to 14 days later, or when regrowth occurs.</p> <p>Fourth application: 7 to 14 days later, or when regrowth occurs.</p> <p>Fifth application (if needed): 7 to 14 days later, or when regrowth occurs.</p>	<p>2 fluid ounces</p> <p>2-4 fluid ounces*</p> <p>2-6 fluid ounces*</p> <p>2-8 fluid ounces*</p> <p>4-8 fluid ounces*</p>	<p>4-6 fluid ounces*</p> <p>4-8 fluid ounces*</p> <p>4-12 fluid ounces*</p> <p>4-16 fluid ounces*</p> <p>4-16 fluid ounces*</p>
<p>*Use higher rates if previous application was not made or if growing conditions are conducive to vigorous growth. **The first application should be made when 50% of the plants have one or more squares that are 1/8 to 1/4 inch in diameter..</p>			

Table 2. Applications Starting at Early Bloom

Geographic Area	Time of Application	Rate per Acre
All States	<p>First application: Apply this product DuPont™ GIN-OUT™ to actively growing cotton that is 16 to 26 inches tall, provided cotton is not more than 7 days beyond early bloom stage (5 to 6 blooms per 25 row feet). If cotton is 24 inches tall and has no blooms, apply this product GIN-OUT™. Use 8 fluid ounces per acre on cotton where excessive vegetative growth is not likely to be a problem and 16 fluid ounces per acre in areas tending to have excessive vegetative growth.</p> <p>Second application for control of excessive vegetative growth: If the cotton field has a history of vigorous growth or if conditions after the first application of this product GIN-OUT™ favor vigorous growth, make a second application 2 to 3 weeks after the first application.</p> <p>Third application for control of 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.</p>	<p>8-16 fluid ounces*</p> <p>8-16 fluid ounces*</p> <p>8-16 fluid ounces*</p>

<p>KS, OK, TX (areas where excessive growth is not a problem)</p>	<p>First application: Apply <u>this product GIN-OUT™</u> to actively growing cotton in the early bloom stage (5 to 6 blooms per 25 row feet). If no blooms are present and the cotton is 20 inches tall and actively growing, apply <u>this product GIN-OUT™</u>.</p>	8 fluid ounces
	<p>Second application: If conditions after the first application of <u>this product GIN-OUT™</u> favor vigorous growth, make a second application 2 to 3 weeks after the first application.</p>	8 fluid ounces
	<p>Third application: If conditions after the second application of <u>this product GIN-OUT™</u> continue to favor vigorous growth, make a third application 1 to 2 weeks after the second application.</p>	8 fluid ounces
<p>* Use higher rates if previous application was not made or if growing conditions are conducive to vigorous growth.</p>		

Spray Drift Management

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

- **Importance of Droplet Size**

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. **APPLYING 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 Inversions** sections of this label.

- **Controlling Droplet Size - General Techniques Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

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 A HIGHER-CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.**

- **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.

- **Controlling Droplet Size - Aircraft**

- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream will produce larger droplets than other orientations.
- **Nozzle Type** - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.
- **Boom Length** - The boom length should not exceed 3/4 of the wing or rotor length - longer booms increase drift potential.
- **Application Height** - Application more than 10 ft above the canopy increases the potential for spray drift.

- **Boom Height (Ground)**

Setting the boom at the lowest labeled height (if specified) which provides uniform coverage reduces the exposure of droplets to evaporation and wind. For ground equipment, the boom should remain level with the crop and have minimal bounce.

• **Wind**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. AVOID GUSTY OR WINDLESS CONDITIONS.

Note: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

• **Temperature and Humidity**

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

• **Temperature Inversions**

Drift potential is high during a temperature inversion. Surface inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature 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 concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

• **Shielded Sprayers**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

GENERAL RESTRICTIONS AND LIMITATIONS

- Maximum Seasonal Use Rate: Do not apply more than a total of 48 fluid ounces (3 pints) of this product DuPont™ GIN-OUT™ (0.132 pounds mepiquat chloride) 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. This maximum equals 48 fluid ounces (3 pints) of this product GIN-OUT™ (0.35 pounds mepiquat chloride per gallon).
- 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.
- 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 apply a single application of 8 to 16 fluid ounces of this product GIN-OUT™ to cotton that is stressed due to lack of soil moisture.
- Do not graze or feed cotton forage to livestock.
- Do not apply this product through any type of irrigation system.

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PESTICIDE STORAGE AND DISPOSAL

Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

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

Pesticide Disposal: Do not contaminate water, food, or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Nonrefillable Containers 5 Gallons or Less: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) 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 1/4 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or if allowed by State and local authorities, by burning. If burned stay out of smoke.

Nonrefillable containers larger than 5 gallons: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable containers larger than 5 gallons: 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 a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

Or

Refillable Container: Refill this container with pesticide only. Do not reuse this container for any other purpose. Close all openings and replace all caps. Contact Nufarm's Customer Service Department at 1-800-345-3330 to arrange for return of the empty refillable container.

For Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Fiber Sacks: Completely empty fiber sack by shaking and tapping sides and bottom to loosen clinging particles.

Empty residue into manufacturing, or application equipment. Then dispose of sack in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Fiber Drums With Liners: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities.

For Bags Containing Water Soluble Packets: Do not reuse the outer box or the resealable plastic bag. When all water soluble packets are used, the outer packaging should be clean and may be disposed of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by open burning. If burned, stay out of smoke. If the resealable plastic bag contains the formulated product in any way, the bag must be triple rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer wrap as described above.

For Metal Containers (non aerosol): Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

For Paper and Plastic Bags: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Container Refilling and Disposal (For Containers up to 250 gal): This is a refillable container. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than DuPont™ Cin Out™. Reseal and return the container to any authorized DuPont refilling facility. If the container is not to be refilled, triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and

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