

62719-500

11/15/2005

1/16

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98



United States Environmental Protection Agency Washington, DC 20460

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

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number Dow AgroSciences/62719-500	2. EPA Product Manager Joanne I. Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences/ Grasp™ SC	PM# PM / 23	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <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	NOTIFICATION NOV 15 2005
<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.)
Proposed Changes by Notification:
Please see attached Registration Notes for detailed information

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No *Certification must be submitted	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Unit Packaging wgt. No. per container	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes" Package wgt No. per container	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input 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 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 Rafael Herrera. Regulatory Leader	Title Regulatory Manager	Telephone No. (Include Area Code) 317/337-4672
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 knowing false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		9. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Manager	
4. Typed Name Rafael Herrera. Regulatory Leader	5. Date 28 October 2005	

* Trademark of Dow AgroSciences LLC

Grasp™ SC

EPA Reg. No. 62719-500

Proposed Changes by Amendment:

1. General Information: In first paragraph, added "annual" before "sedge."
2. General Use Precautions and Restrictions: Bullet points added that expand on statements that already appear in the label and to reflect knowledge gained from actual growing conditions.
3. Mixing Instructions: (1) Revised first and second paragraphs to reflect knowledge gained from actual growing conditions; (2) moved paragraph from Tank Mixing section at end of label to this section.
4. Spray Drift Management: (1) Corrected "ASAE" to "ASABE"; (2) revised "In general, the best drift management strategy is to apply the largest droplets that provide sufficient coverage and control." to "The best drift management strategy is to apply the largest droplets that minimize drift and provide sufficient coverage of weeds."
5. Application Instructions, Environmental Conditions and Herbicidal Activity of Grasp SC: (1) Added "and nighttime" after "daytime"; (2) at the end of the first paragraph, replaced "taller" with "larger" and "height" with "size"; (3) in third bullet point, added "hydrogen sulfide."
6. Application Timing: Revised first sentence to read "Grasp SC herbicide may be applied to rice from rice emergence (drill seeded rice) or rice pegging at 1 leaf stage with no exposed roots (water seeded rice) up to 60 days before harvest."
7. Water Seeded Rice: Added two sentences at end of paragraph to reflect current cultural practices by rice growers and knowledge gained from actual growing conditions.
8. Drill Seeded Rice: Added two sentences near end of paragraph to reflect current cultural practices by rice growers and knowledge gained from actual growing conditions.
9. Postflood: (1) In first paragraph, replaced "1 to 2 days" with "3 hours"; (2) in the first sentence of the second paragraph, added "failure of previous herbicide applications."
10. Application Rates and Weeds Controlled, Weeds Controlled/Weeds Suppressed: (1) In Weeds Controlled, deleted alligatorweed and cyperus spp; (2) in Weeds Suppressed, revised weed development stage for perennial barnyardgrass from "Up to 18" to "<18"; (3) in Weeds Suppressed, revised weed development stage for alligatorweed from ">18" runners" to "<24" runners."
11. Application Rates and Weeds Controlled Postflood/Weeds Suppressed Postflood: (1) In Weeds Controlled Postflood, deleted "cyperus spp"; (2) in Weeds Controlled Postflood, revised weed development stage for ducksalad from "prior to heading" to "<6""; (3) in Weeds Controlled Postflood, revised weed development stage for hemp sesbania and Indian/northern jointvetch from "prior to heading" to "<15""; (4) in Weeds Controlled Postflood, revised weed development stage for rice flatsedge from "prior to heading" to "<12""; (5) in Weeds Suppressed Postflood, revised weed development stage for alligatorweed from ">18" runners" to "<24" runners"; (6) in Weeds Suppressed Postflood, revised weed development stage for perennial barnyardgrass from "up to 18"" to "<18""; in Weeds Suppressed Postflood, added "eclipta," "redstem" and "smartweed spp., annual" with a weed development stage of "<12"."

Grasp™ SC

EPA Reg. No. 62719-500

Registration Notes:

Source label text based on EPA-accepted copy dated October 28, 2004.

Changes by notification:

1. General Information: In first paragraph, added "annual" before "sedge."
2. General Use Precautions and Restrictions: Bullet points added that expand on statements that already appear in the label and to reflect knowledge gained from actual growing conditions.
3. Mixing Instructions: (1) Revised first and second paragraphs to reflect knowledge gained from actual growing conditions; (2) moved paragraph from Tank Mixing section at end of label to this section.
4. Spray Drift Management: (1) Corrected "ASAE" to "ASABE"; (2) revised "In general, the best drift management strategy is to apply the largest droplets that provide sufficient coverage and control." to "The best drift management strategy is to apply the largest droplets that minimize drift and provide sufficient coverage of weeds."
5. Application Instructions, Environmental Conditions and Herbicidal Activity of Grasp SC: (1) Added "and nighttime" after "daytime"; (2) at the end of the first paragraph, replaced "taller" with "larger" and "height" with "size"; (3) in third bullet point, added "hydrogen sulfide."
6. Application Timing: Revised first sentence to read "Grasp SC herbicide may be applied to rice from rice emergence (drill seeded rice) or rice pegging at 1 leaf stage with no exposed roots (water seeded rice) up to 60 days before harvest."
7. Water Seeded Rice: Added two sentences at end of paragraph to reflect current cultural practices by rice growers and knowledge gained from actual growing conditions.
8. Drill Seeded Rice: Added two sentences near end of paragraph to reflect current cultural practices by rice growers and knowledge gained from actual growing conditions.
9. Postflood: (1) In first paragraph, replaced "1 to 2 days" with "3 hours"; (2) in the first sentence of the second paragraph, added "failure of previous herbicide applications."
10. Application Rates and Weeds Controlled, Weeds Controlled/Weeds Suppressed: (1) In Weeds Controlled, deleted alligatorweed and cyperus spp; (2) in Weeds Suppressed, revised weed development stage for perennial barnyardgrass from "Up to 18" to "<18"; (3) in Weeds Suppressed, revised weed development stage for alligatorweed from ">18" runners" to "<24" runners."
11. Application Rates and Weeds Controlled Postflood/Weeds Suppressed Postflood: (1) In Weeds Controlled Postflood, deleted "cyperus spp"; (2) in Weeds Controlled Postflood, revised weed development stage for duck salad from "prior to heading" to "<6"; (3) in Weeds Controlled Postflood, revised weed development stage for hemp sesbania and Indian/northern jointvetch from "prior to heading" to "<15"; (4) in Weeds Controlled Postflood, revised weed development stage for rice flatsedge from "prior to heading" to "<12"; (5) in Weeds Suppressed Postflood, revised weed development stage for alligatorweed from ">18" runners" to "<24" runners"; (6) in Weeds Suppressed Postflood, revised weed development stage for perennial barnyardgrass from "up to 18" to "<18"; in Weeds Suppressed Postflood, added "eclipta," "redstem" and "smartweed spp., annual" with a weed development stage of "<12".

[Editor's note: Added text is underlined and deleted text is denoted by strikethrough.]

™Trademark of Dow AgroSciences LLC

4/16

(Base Label):

(Logo) Dow AgroSciences

NOTIFICATION

Grasp™ SC

NOV 15 2005

Herbicide

For selective postemergence weed control in rice in the states of Arkansas, Florida, Louisiana, Mississippi, Missouri and Texas

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide..... 21.7%

Inert Ingredients 78.3%

Total 100.0%

Contains 2 lb of active ingredient per gallon

Keep Out of Reach of Children

CAUTION PRECAUCION

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.)

Precautionary Statements

Hazards to Humans and Domestic Animals

Harmful If Inhaled

Avoid breathing spray mist.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 pesticides [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:

- Wash hands before eating, drinking, che wing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

First Aid

5/16

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 1-800-992-5994 for emergency medical treatment information.

Environmental Hazards

Except when treating rice fields as specified in this product label, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-500

EPA Est. _____

TMTrademark of Dow AgroSciences LLC
Dow AgroSciences LLC • Indianapolis, IN 46268 USA

Net Contents _____

6/16

(Label Booklet Cover):

(logo) **Dow AgroSciences**

Grasp™ SC

Herbicide

For selective postemergence weed control in rice in the states of Arkansas, Florida, Louisiana, Mississippi, Missouri and Texas

Active Ingredient:

penoxsulam: 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide.....	21.7%
Inert Ingredients	78.3%
Total	100.0%

Contains 2 lb of active ingredient per gallon

Keep Out of Reach of Children

CAUTION PRECAUCION

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.)

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE), User Safety Recommendations and Directions for Use including Storage and Disposal.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-500

EPA Est. _____

™Trademark of Dow AgroSciences LLC
Dow AgroSciences LLC • Indianapolis, IN 46268 USA

Net Contents _____

7/16

(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals**CAUTION****Harmful If Inhaled****Avoid breathing spray mist.****Personal Protective Equipment (PPE)****Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 pesticides [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:

- 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.

First Aid

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact 1-800-992-5994 for emergency medical treatment information.

Environmental Hazards

Except when treating rice fields as specified in this product label, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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

8/16

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
- Shoes plus socks

Storage and Disposal

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

Pesticide Storage: Store in cool dry place in original container.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal (Plastic): 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.

General Information

Grasp™ SC herbicide is a postemergence herbicide for selective control of susceptible grass, broadleaf, and annual sedge weeds in rice. Susceptible weeds emerged at the time of application or which germinate soon after application will be controlled. A spray volume of 10 gallons per acre (gpa) or more and uniform coverage are required for optimum performance. Grasp SC is rainfast within 1 hour after application and has soil residual herbicidal activity dependent on weed species, soil type, soil moisture (rainfall or irrigation after application) and the rate of application. Grasp SC can be applied to rice fields used for crayfish production.

Rice crops grown under adverse environmental conditions, such as extreme cold or heat, may express temporary crop injury when Grasp SC is applied including slight height reduction or root stunting. Any crop stress or environmental factors which decrease plant metabolism and growth may reduce weed control efficacy and crop tolerance. Such effects are transient and do not affect yield. Grasp SC may be used on all rice varieties.

General Use Precautions and Restrictions

- **Preharvest Interval:** Do not apply within 60 days of rice harvest.
- Do not rotate treated land to crops other than rice for 3 months following application.
- Use of an agriculturally approved crop oil concentrate or methylated seed oil adjuvant at a minimum of 1 quart per acre is necessary with Grasp SC.
- Do not use organosilicone surfactants in spray mixtures of this product.
- Poor weed control may result from application of Grasp SC made to plants under stress from abnormally hot or cold weather; environmental conditions such as drought, hail damage, hydrogen sulfide, or high pH soils; or prior herbicide applications.
- Do not apply where runoff or irrigation water may flow directly onto agricultural land other than rice fields.
- Do not tank mix Grasp SC with malathion or methyl parathion. Do not make an application of malathion or methyl parathion within 7 days of an application of Grasp SC.

9/12

- Do not apply Grasp SC directly to, or otherwise permit Grasp SC to come into contact with, cotton, soybeans, grapes, tobacco, vegetable crops, flowers, ornamental shrubs or trees, or other desirable broadleaf plants, as serious injury may occur. Do not permit spray mists containing Grasp SC to drift onto desirable broadleaf plants.
- Application of Grasp SC to fields which have been leveled (except water leveling) within 12 months prior to application may result in serious rice injury in areas that have been cut or filled.
- Application of Grasp SC to rice grown in soils with pH >7.8 or high salt content may result in serious rice injury.
- Except for crayfish, do not fish or commercially grow fish, shellfish or crustaceans on treated acres during the year of treatment.
- Do not make more than 1 application or apply more than 2.8 fl oz of Grasp SC per acre (0.044 lb ai penoxsulam) during the growing season in both the first and ratoon crops combined.
- Do not allow tank mixes of Grasp SC to sit overnight.
- Do not overlap or double spray ends of fields.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- Do not use on wild rice.

Mixing Instructions

Use of Adjuvants

Use of an agriculturally approved crop oil concentrate or methylated seed oil adjuvant at a minimum rate of 1 quart per acre is necessary with must be used for all applications of Grasp SC. Read and follow all use directions and precautions on crop oil concentrate labels.

Grasp SC - Alone

Fill spray tank to one-half full with water. Start agitation. Add correct quantity of Grasp SC and recommended adjuvant, crop oil concentrate. Continue agitation while filling spray tank to required volume and during application.

Grasp SC - Tank Mixes

Continuous agitation is required for tank mixes. Sparger pipe agitators generally provide the best agitation in spray tanks.

[Editor's Note: The following paragraph was moved from the section entitled Tank Mixing at the end of the label.]

Grasp SC may be applied in tank mix combination with labeled rates of Command, pendimethalin, propanil-containing products, Grandstand[®] R herbicide, Clincher[®] SF herbicide, Facet, Londax, Newpath and Permit. Tank mixing or sequential applications to stressed weeds of Grasp SC with propanil-containing products may result in reduced control of some weeds (i.e., alligatorweed). Tank mixing Grasp SC with Facet may result in reduced control of annual smartweed. Tank mixing or using Grasp SC with any other product not specifically and expressly authorized by the label shall be the exclusive risk of the user, applicator and/or application advisor. When tank mixing, follow label directions, including application rates, use precautions and limitations on each respective label.

Tank Mix Compatibility Testing: When tank mixing Grasp SC with other materials, a compatibility test (jar test) using relative proportions of the tank mix ingredients should be conducted prior to mixing ingredients in the spray tank. Use a clear glass quart jar with lid and mix the tank mix ingredients in their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately one-half (1/2) hour. If the mixture balls-up, forms flakes, sludges, jels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

Mixing Order: Fill the tank one-third (1/3) full with water. Start the agitation. Different formulation types should be added in the following order: dry flowables (DF), wettable powders (WP), aqueous suspensions (AS), flowables (F), or liquids (L). Allow each product type to completely disperse before adding another. Continue agitation and fill tank to three-fourths (3/4) full, add the correct quantity of Grasp SC and mix

10/16

thoroughly. Finally, add any solution (S) formulations or surfactant, agitate and finish filling. Maintain agitation during filling and during application. If spraying and agitation must be stopped before the tank is empty, suspended materials may settle to the bottom. It is important to resuspend all of the settled material before continuing application. A sparger agitator is particularly useful for this purpose. Do not allow tank mixes to set overnight.

Carefully follow all mixing instructions for each material added to the tank. Initial dispersion of dry or flowable formulations can be improved by mixing with a small amount of water (slurrying) and pouring the slurry through a 20 to 35 mesh wetting screen in the top of the spray tank. Line screens in the tank should be no finer than 50 mesh (100 mesh is finer than 50 mesh).

Spray Drift Management

Avoiding spray drift is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. Make applications only when there is little or no hazard from spray drift. The applicator, crop consultant, and grower are responsible for considering all of these factors when making the decision to apply this product.

Avoid all direct or indirect contact with non-target plants. Do not apply near desirable vegetation. Allow adequate distance between target area and desirable plants to minimize exposure.

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

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications:

1. The distance between the outer most nozzles on the boom must not exceed 70% of the wingspan of fixed-wing aircraft or 80% of the helicopter rotor width.
2. Nozzle set up must use a coarse spray quality category per ASABE S-572 Standard.

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

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory. ~~In general, the~~ The best drift management strategy is to apply the largest droplets that minimize drift and provide sufficient coverage of weeds and control.

Endangered Species

If endangered plant species occur in the proximity of the application site, the following mitigation measure is required to avoid adverse effects:

- Leave untreated buffer zones of 25 feet for ground applications or 200 feet for aerial applications.

To determine whether your county has an endangered terrestrial plant species, consult <http://www.epa.gov/espp/usa-map.htm>. Endangered Species Bulletins may also be obtained from extension offices or state pesticide agencies. If the bulletin is not available for your specific area, check with the appropriate local state agency to determine if known populations of terrestrial endangered plants occur in the area to be treated.

Aerial Drift Reduction Advisory

Information on Droplet Size: For ASABE S-572 Standard compliance, see nozzle manufacturer catalogs, NAAA booklet, or JSDA literature or website <http://apmru.usda.gov/> for nozzle and application conditions. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Larger droplets reduce drift potential, but will not prevent drift if applications are

11/16

made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversions).

Controlling Droplet Size:

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets.
- **Number of Nozzles** - Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is released parallel to the air stream produces larger droplets than other orientations and is the recommended practice.
- **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 the largest droplets and the lowest drift.

Boom Length: Reducing the effective boom length to 70% of the wingspan of fixed-wing aircraft or 80% of the helicopter rotor width may further reduce drift without reducing swath width.

Application Height: Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. 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 crosswind, the swath will be displaced downwind. Therefore, the applicator must compensate for this displacement by adjusting the path of the aircraft or boom on-off. Swath adjustment distance should increase, with increasing drift potential (higher wind, height, 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 should be avoided below 2 mph due to variable wind direction and high inversion potential. Application is not allowed when wind speeds exceed 10 mph due to risk of direct drift to sensitive crops. **Note:** Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift. **Note:** State and local regulations with regard to minimum and maximum wind speeds during aerial application may be more restrictive. Aerial applicators should be familiar with these regulations.

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

Temperature Inversions: Applications should not occur during a local, low level temperature inversion because drift potential is high. Small droplets can move in unpredictable directions due to the light 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. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of the 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.

Application Instructions

Environmental Conditions and Herbicidal Activity of Grasp SC

Factors for effective weed control with Grasp SC include proper application rate, weed size, daytime and nighttime temperatures, soil moisture prior to and following application, and use of adjuvants. Best weed control results are obtained when Grasp SC is applied to small, actively growing weeds, when daytime and nighttime temperatures are warm (60°F or more), and soil moisture is adequate to support active weed growth prior to and following application. If weeds are under drought stress, consider delaying application

12/16

until more favorable conditions resume. Application when weeds are moisture stressed or taller larger than the recommended height size for control may result in only partial control.

- Grasp SC is rainfast in 1 hour.
- Applications made immediately prior to, during, or immediately following periods of large day/night temperature fluctuations or where daytime and nighttime temperatures do not exceed 60°F may decrease weed control.
- Poor weed control may result from application of Grasp SC made to plants under stress from abnormally hot or cold weather; environmental conditions such as drought, hail damage, hydrogen sulfide, or high pH soils; or prior herbicide applications.

Aerial Application

Apply in a spray volume of 10 gpa or more when applying by air. Apply with coarse droplet category per S-572 ASABE standard; see NAAA, USDA or nozzle manufacturer guidelines. Follow guidelines in the Spray Drift Management and Aerial Drift Reduction Advisory to minimize potential drift to off-target vegetation. Aircraft should be patterned per Operation Safe/PAASS program for calibration and uniformity to provide sufficient coverage and control.

Ground Application

Apply in a spray volume of 10 gpa or more when applying by ground. Use coarse or coarser nozzle spray quality per S-572 ASABE standard; see USDA literature or nozzle manufacturer guidelines. Follow nozzle manufacturer's recommendations for nozzle pressure, spacing and boom height to provide a uniform spray pattern. Follow appropriate Spray Drift Management information where drift potential is a concern.

Application Timing

Grasp™ SC herbicide may be applied to rice from rice emergence (drill seeded rice) or rice pegging with at 1 leaf stage with no exposed roots (water seeded rice) up to 60 days before harvest. Within this application window, application timing is dependent on cultural practices and optimum timing for weed species present. (See Application Rates and Weeds Controlled table.) Do not apply if crop or weeds are under drought stress.

Water Seeded Rice:

Fields must be partially drained to expose weeds prior to application. Residual water remaining in the field does not adversely affect weed control so long as weeds are at least 70% exposed. For delayed flood application, do not allow excessive drying of the soil which may cause the weeds to become drought stressed, resulting in unacceptable weed control. For best results, soils should be moist at application and maintain good soil moisture after application by flushing or rainfall until establishment of permanent flood. After an application of Grasp SC to a partially drained field with standing water present over the entire field, wait at least 3 hours before beginning the establishment of the permanent flood. If the field is completely drained with no standing water at application, wait at least 3 days before beginning the establishment of the permanent flood.

Drill Seeded Rice:

Grasp SC is recommended as a pre-flood application. Adequate soil moisture for actively growing weeds is essential for pre-flood applications. Flushing of rice fields may be necessary prior to application if rice or weeds are moisture stressed. Residual water remaining in the field does not adversely affect weed control as long as weeds are at least 70% exposed. Flushing fields or rainfall after application may improve weed control. After application, follow standard cultural practices for flooding fields. Following the application, wait at least 3 days before establishing the permanent flood, then establish permanent flood as soon as rice can tolerate flooding. If a field treated with Grasp SC is going to be flushed, and the permanent flood is not going to be established with this flood, wait at least 3 hours after the application of Grasp SC before starting to flush. If the permanent flood will be established after treatment with Grasp SC, wait at least 3 days before beginning the establishment of the permanent flood. Reinfestation of some weeds may occur if a permanent flood is not established in a timely manner.

13/16

Postflood: Prior to application, the flood water must be lowered to expose at least 70% of the weed foliage. A shallow flood depth in the field (1 to 2 inches deep) will not adversely affect weed control. For best results, re-establishment of normal flood depth should begin within 3 hours ~~4 to 2 days~~ after application to prevent germination of new weeds.

If Grasp SC is applied as a postflood salvage treatment (e.g., heavy weed infestations, headed weeds, failure of previous herbicide applications, and/or previously untreated areas), it should be considered an emergency salvage treatment. Good control of labeled weeds should not be expected. Regrowth of treated weeds may occur.

Resistance Management

The mode of action of Grasp SC is the inhibition of the acetolactate synthase (ALS) enzyme. Weed populations may develop biotypes that are resistant to different herbicides with the same mode of action. If herbicides with the same mode of action are used repeatedly in the same field, resistant biotypes may eventually dominate the weed population and may not be controlled by these products. Other resistance mechanisms, such as enhanced metabolism, may also exist and may cause reduced weed control.

This product should be used as part of an Integrated Pest Management (IPM) program that may include biological, cultural, and chemical practices aimed at preventing economic pest damage. Application of this product should be based on appropriate IPM and resistance management strategies and practices that delay or reduce the development of resistant weed biotypes. Such practices include, but are not limited to, field scouting, use of weed free crop seed, proper water management, correct weed pest identification, following rotational practices outlined on pesticide labels, and treating when target weed populations are at the correct stage and economic thresholds for control. Make only 1 application per year of Grasp SC.

To delay development of herbicide resistance, the following practices are recommended:

- The use of herbicides with the same mode of action should not be used in sequential applications.
- Grasp SC can be tank mixed or used sequentially with other approved ALS mode of action products to broaden the spectrum of weed control and control weeds that Grasp SC does not control.
- Herbicides should be used based on an IPM program.
- Monitor treated areas and control escaped weeds.
- Contact local extension or crop advisor for IPM and resistance management information.

Application Rates and Weeds Controlled

(Arkansas, Florida, Louisiana, Mississippi, Missouri, and Texas)

Weeds Controlled Common name (Scientific name)	Application Rates and Stage of Weed Development
alligatorweed (<i>Alternanthera philoxeroides</i>)	2.0 to 2.3 fl oz/acre Up to 18" runners
<i>Cyperus</i> spp., annual eclipta (<i>Eclipta alba</i>) hemp sesbania (<i>Sesbania exaltata</i>) Indian/northern jointvetch (<i>Aeschynomene</i> spp) rice flatsedge (<i>Cyperus iria</i>) smartweed spp, annual (<i>Polygonum</i> spp)	Up to 7 leaf

14/16

arrowhead (<i>Sagittaria spp</i>) barnyardgrass† (<i>Echinochloa-crus-galli</i>) cocklebur (<i>Xanthium strumarium</i>) dayflower (<i>Commelina communis</i>) ducksalad (<i>Heteranthera limosa</i>) junglerice (<i>Echinochloa-colona</i>) pigweed (<i>Amaranthus spp</i>)	Up to 4 leaf
Texas/Mexicanweed (<i>Caperonia spp</i>)	Up to 3 leaf
Weeds Suppressed	2.3 to 2.8 fl oz/acre
perennial barnyardgrass (<i>E. polystacha</i>)	≤Up to 18"
alligatorweed (<i>Alternanthera philoxeroides</i>)	<24">48" runners
morningglory spp (<i>Ipomoea spp</i>) nutsedge, yellow (<i>Cyperus esculentus</i>) redstem (<i>Ammania spp</i>)	Up to 4 leaf

Weeds Controlled Postflood	Application Rates and Stage of Weed Development
Common name (scientific name)	2.3 to 2.8 fl oz/acre
barnyardgrass† (<i>Echinochloa crus-galli</i>) cyperus spp., annual	Prior to heading
ducksalad (<i>Heteranthera limosa</i>)	≤6"
hemp sesbania (<i>Sesbania exaltata</i>) Indian/northern jointvetch (<i>Aeschynomene spp</i>)	≤15"
rice flatsedge (<i>Cyperus iria</i>)	≤12"
Weeds Suppressed Postflood	2.3 to 2.8 fl oz/acre
alligatorweed (<i>Alternanthera philoxeroides</i>)	<24">48" runners
perennial barnyardgrass (<i>E. polystacha</i>)	≤Up to 18"
eclipta (<i>Eclipta alba</i>) redstem (<i>Ammania spp</i>) smartweed spp., annual (<i>Polygonum spp.</i>)	≤12"

† Including propanil and Facet resistant barnyardgrass.

Note: Do not make more than 1 application or apply more than 2.8 fl oz of Grasp SC per acre (0.044 lb ai penoxsulam) during the growing season in both the first and ratoon crops combined.

[Editor's Note: The following section was moved to the section entitled Mixing Instructions/Grasp SC – Tank Mixes.]

157/16

Tank Mixing

Grasp™ SC herbicide may be applied in tank mix combination (see Mixing Instructions) with labeled rates of Command, pendimethalin, propanil-containing products, Grandstand® R herbicide, Clincher® SF herbicide, Facet, Newpath and Permit. Tank mixing Grasp SC with propanil-containing products may result in reduced control of some weeds (i.e., alligatorweed). Tank mixing or using Grasp SC with any other product not specifically and expressly authorized by the label shall be the exclusive risk of the user, applicator and/or application advisor. When tank mixing, follow label directions, including application rates, use precautions and limitations on each respective label.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

®™ Trademark of Dow AgroSciences LLC
EPA-accepted 10/28/04

16/16

308/2E
October 28, 2005



Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U. S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 South Bell Street
Arlington, VA 22202

GRASP SC (AI: PENOX SULAM)
EPA REGISTRATION NUMBER: 62719-500
NOTIFICATION OF MINOR LABEL CHANGE PER PR NOTICE 98-10

Enclosed please find labeling for the notification action of GraspTM SC herbicide. The following changes have been made by notification:

1. Please see the attached Registration Notes for detailed information.

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.

Contents of Submission

- Transmittal document (this letter)
- Application for Pesticide, EPA Form 8570-1 with attached Registration Notes
- Label entitled GraspTM SC (E9A / Grasp SC / Notif With Edits / 10-27-05) (12 Pages plus Registration Notes) (5 Copies)

If you require further information, please contact Cindy Loy, Regulatory Specialist at 317-337-4655 (caloy@dow.com); or Paula McKinnies, Registration Assistant for this product, at 317-337-4679 (pmckinnies@dow.com).

Sincerely,

Rafael Herrera
Regulatory Leader
Regulatory Success – Americas
317-337-4672
317-337-4649 (FAX)
rlherrera@dow.com

Enclosures

/pkm

