



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Registration Number: 62719-613

Date of Issuance: SEP 30 2010

NOTICE OF PESTICIDE:

[x] Registration
[] Reregistration
(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product: Clincher GR

Name and Address of Registrant (include ZIP Code):

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3 (c) (7) (A) provided that you:

- 1. Submit and/or cite all data required for the registration/ reregistration review of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Change the EPA Registration Number to "62719-613".
3. Make the following label changes:
a. On pages 6 and 16, remove the word "General" and replace with "Product".

Signature of Approving Official:

[Handwritten Signature]
Kathryn V. Montague, Product Manager 23
Herbicide Branch
Registration Division (7505P)

Date:

SEP 30 2010

Submit one copy of the revised final printed label before the product is released for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

[Sub Label A: Use in California]

(Base label):

Clincher® GR

Herbicide

For selective weed control in California water-seeded rice

Active Ingredient(s):

cyhalofop: 2-[4-(4-cyano-2- fluorophenoxy) phenoxy] propanoic acid, butyl ester, (R)..... 1.8%

Other Ingredients 98.2%

Total 100.0%

Contains 1.8 lb of active ingredient per 100 lb of product.

Keep Out of Reach of Children

Precautionary Statements

Hazards to Humans and Domestic Animals

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.

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

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark except when treating rice fields as specified in this product label. Drift from ground or aerial applications is likely to result in damage to sensitive aquatic organisms in water bodies adjacent to the treatment area. Do not contaminate water when disposing of equipment washwaters or rinsate.

NOTE: See Surface Water and Groundwater advisories in label booklet under Environmental Hazards.

Agricultural Use Requirements

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
SEP 30 2010**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

62719-613

E-SUBMISSION

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.

(Storage and Disposal for rigid containers 5 gal or less)

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 must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for nonrigid containers any size)

Storage and Disposal

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

Pesticide Storage: Store in original container in a cool dry place. In case of leak or spill, contain material and dispose as waste.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for refillable rigid containers larger than 5 gal)

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 must be disposed of on site or at an approved waste disposal facility.

Container Handling: 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for nonrefillable rigid containers larger than 5 gal)

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 must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refer to label booklet for Directions for Use.

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.

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

EPA Reg. No. 62719-XXX

EPA Est. _____

®Trademark of Dow AgroSciences LLC

**Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268**

Net Weight __

6/22

(Label booklet cover):

Clincher® GR

Herbicide

For selective weed control in California water-seeded rice

Active Ingredient(s):

cyhalofop: 2-[4-(4-cyano-2- fluorophenoxy) phenoxy] propanoic acid, butyl ester, (R).....	1.8%
Other Ingredients	98.2%
Total	100.0%

Contains 1.8 lb of active ingredient per 100 lb of product.

Keep Out of Reach of Children

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 Directions for Use.

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.

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

EPA Reg. No. 62719-XXX

EPA Est. _____

®Trademark of Dow AgroSciences LLC

**Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268**

Net Weight __

7
22

(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals**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.

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

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark except when treating rice fields as specified in this product label. Drift from ground or aerial applications is likely to result in damage to sensitive aquatic organisms in water bodies adjacent to the treatment area. Do not contaminate water when disposing of equipment wash waters or rinsate.

Surface Water: This chemical can contaminate surface water through spray drift from aerial and ground application equipment. Treated rice paddy water can contaminate surface water through accidental release or overflow, or by deliberate release due to normal growing practices, including interim or final release of flood water at harvest

Groundwater: This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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

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 over long-sleeved shirt and long pants
- 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 must be disposed of on site or at an approved waste disposal facility.

Nonrefillable containers 5 gallons or less:

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Nonrefillable nonrigid containers:

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refillable containers 5 gallons or larger:

Container Handling: 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Nonrefillable containers 5 gallons or larger:

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

General Information

Clincher® GR herbicide is a postflood, postemergence herbicide for selective control of grass weeds in water seeded rice. Best results are obtained when Clincher GR is applied directly into flooded rice when grass weeds are at the 1 to 4 leaf stage and grass weeds are 70 to 100% submerged with a water flood depth of 2 to 5 inches. Only grass weeds emerged and growing under flooded rice conditions at the time of application are controlled. Clincher GR has no preemergence or soil residual activity. Clincher GR will not control broadleaf weeds or sedges.

General Use Precautions and Restrictions

- **Preharvest Interval:** Do not apply within 60 days of rice harvest.

- Clincher GR may not reliably control known ACC-ase resistant weed biotypes.
- Apply Clincher GR directly into flooded rice field. Do not mix Clincher GR in water to make application.
- Do not apply more than 16 lb of product per acre in a single application. Do not make more than two applications or apply more than 27.5 lb of product per acre during the growing season. Sequential applications must be made at least 10 days apart.
- Make no more than two applications of any product containing cyhalofop-butyl (Clincher GR, Clincher CA or Clincher EZ) to the same field in the same year. Apply no more than 0.47 lb active ingredient per year.
- Do not apply to drained rice fields; apply only to flooded rice fields. Fields must be flooded to a depth of 2 to 5 inches at time of application of Clincher GR and grass weeds are 70 to 100% submerged.
- Applications made to greater than 4 leaf weeds, dense weed populations, average water depth greater than 5 inches, and/or weeds submerged <70% may result in reduced weed control.
- Do not apply Clincher GR following rainfall until the water depth in checks or basins has been adjusted to meet the correct water depth requirements.
- Early release of water may result in reduced weed control. For best results, static water conditions should follow an application of Clincher GR for seven days. It is important not to allow the minimum water depth to drop below 2 inches; therefore, adding water may be required. Water should be trickled in or added very slowly.
- For best results, water should not be released for 14 days following an application of Clincher GR. During this time, water depth should be maintained or can be increased as rice grows.
- Shallow water or bare ground can result in reduced weed control as it may promote weed flushes.
- Reduced weed control can be expected at field water inlets due to dilution and movement of water.
- Do not apply where runoff or drain water may flow directly onto agricultural land other than rice fields.
- Under poor field preparation practices (i.e., lack of soil aeration, unlevelled ground, large clods, excessive crop residue, weeds emerged prior to flooding, etc.), reduced weed control may occur when using Clincher GR.
- Clincher GR has no soil residual weed control activity and grass weeds emerging after treatment will not be controlled.
- Clincher GR can be used for weed control in water seeded wild rice in states in which the product is registered. Follow all use instructions.
- Do not apply Clincher GR by any ground application equipment.
- Do not rotate treated land to crops other than rice for three months following an application of Clincher GR.
- Do not fish or commercially grow fish, shellfish or crustaceans on treated acres during the year of treatment.
- **Chemigation:** Do not apply this product through any type of irrigation system.

Best Management Practices for Aerial Application

Equipment used in the application of Clincher GR should be carefully calibrated before use and checked frequently during application to be sure it is working properly and delivering a uniform distribution pattern. Avoid overlaps that will increase the dosage of Clincher GR above specified limits. Do not mix Clincher GR in water. Apply dry product directly into flooded rice fields.

Wind Velocity for Aerial Application: Aerial applications of Clincher GR should be made when the wind velocity is 0 to 10 mph. Do not make aerial applications of Clincher GR when wind speeds are greater than 10 mph.

Water Management

Immediately Prior to Application

- Average water depth at application should be maintained at 2 to 5 inches, with a minimum water depth of 2 inches in the shallowest part of the field, weeds should be submerged 70 to 100%, and there should be no exposed soil.
- If rainfall occurs prior to application, do not apply Clincher GR until water depth in checks or basins can be adjusted to meet the correct water depth requirements.

First Week Following Application

- For best results, maintain a static flood for seven days following application.
- During the static flood period it is important to maintain a minimum water depth of 2 inches. If necessary, water can be slowly added or trickled in to maintain water depth.
- If water is lost from a basin or check, re-flood immediately. Early release of water will result in reduced weed control.
- Failure to maintain the flood depth after an application of Clincher GR may result in reduced weed control.

Second Week Following Application

- Following the seven-day static flood period, for best results, water should not be released for an additional seven days.
- During this time, water depth should be maintained or increased as rice grows.
- Shallow water conditions can result in reduced weed control as it may promote additional weed flushes.
- If water is lost from a basin or check, re-flood immediately. Early release of water may result in reduced weed control.

At the conclusion of the two-week treatment period, it is important to manage water flood depth to prevent secondary weed flushes, which can occur if water is released or lowered. Clincher GR has no soil residual weed control activity and grass weeds emerging after treatment will not be controlled.

Avoid Injury to Non-Target Plants

Buffer Zones

Buffer zones are defined as the distance between the application site and the sensitive agricultural production crop. For aerial applications, follow the listed buffers to minimize potential drift to off-target vegetation. The buffer zones listed below must be followed:

Sensitive Agricultural Production Crops	Aerial Restrictions (feet)
non-target cereal and grass crops such as corn, sugar cane sudangrass, sorghum, grass grown for seed, millet, and sod farms.	50
peaches and nectarines	200

Drift Management

Avoiding drift is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator, pest control advisor, 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. Do not make aerial applications of Clincher GR when wind speeds are greater than 10 mph. Where states have more stringent regulations, they must be observed.

Resistance Management

The mode of action of Clincher GR is the inhibition of the ACC-ase 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. Clincher GR may not reliably control known ACC-ase resistant grass weed biotypes.

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 upon appropriate IPM and resistance management strategies and practices that delay or reduce the development of resistant weed biotypes. Such practices include 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 no more than two applications of any product containing cyhalofop-butyl (Clincher GR and/or Clincher CA) to the same field in the same year.

Application Timing

Application timing is dependent upon the proper grass weed growth stage and optimum timing for weed species present. Clincher GR may be applied to weeds from the 1 to 4 leaf stage up to 60 days before harvest. Within this application window, application timing is dependent upon cultural practices and optimum timing for weed species present. (See Application Rates and Weeds Controlled table.)

Application Rates and Weeds Controlled

Weeds Controlled ¹		Application Rates and Stage of Weed Development
Common Name	Scientific Name	16 lb/acre ²
barnyardgrass	<i>Echinochloa crus-galli</i>	up to 4 leaf stage prior to tillering
bearded sprangletop	<i>Leptochloa fascicularis</i>	
broadleaf signalgrass	<i>Brachiaria platyphylla</i>	
early watergrass	<i>Echinochloa oryzoides</i>	
junglerice	<i>Echinochloa colona</i>	
large crabgrass	<i>Digitaria sanguinalis</i>	
late watergrass	<i>Echinochloa phyllopogon</i>	
red sprangletop	<i>Leptochloa filiformis</i>	

¹Clincher GR may not reliably control known ACC'ase resistant grass biotypes.

²For a sequential application of Clincher GR following an initial application of 16 lb per acre, apply a maximum of 11.5 lb per acre. This will be considered a rescue application and excellent weed control cannot be expected. Allow a minimum of 10 days between sequential applications of Clincher GR with other products containing cyhalofop-butyl.

Herbicide Programs

Clincher GR can be applied in sequence either before or after applications of Granite GR. Follow all use instructions and restrictions on all product labels. Follow the specified water depth and rice timing as stated on the label for Granite GR.

Do not apply in combination or sequentially with Shark (carfentrazone) or Londax (bensulfuron) dry formulations. Reduced grass control may result if Clincher GR is applied in combination with or immediately following other herbicides not listed above.

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 Limitations 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

To the extent permitted by law, 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 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 ___/___/___

[Sub Label B: Use in Southern States]

(Base label):

Clincher[®] DR

Herbicide

For selective grass weed control in water-seeded rice in Arkansas, Florida, Louisiana, Mississippi, Missouri, Tennessee and Texas

Active Ingredient(s):

cyhalofop: 2-[4-(4-cyano-2- fluorophenoxy) phenoxy] propanoic acid, butyl ester, (R)..... 1.8%

Other Ingredients 98.2%

Total 100.0%

Contains 1.8 lb of active ingredient per 100 lb of product.

Keep Out of Reach of Children

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
SEP 30 2010**

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

62719-4613

Precautionary Statements

Hazards to Humans and Domestic Animals

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.

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

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark except when treating rice fields as specified in this product label. Drift from ground or aerial applications is likely to result in damage to sensitive aquatic organisms in water bodies adjacent to the treatment area. Do not contaminate water when disposing of equipment washwaters or rinsate.

NOTE: See Surface Water and Groundwater advisories in label booklet under Environmental Hazards.

Agricultural Use Requirements

14
22

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.

(Storage and Disposal for rigid containers 5 gal or less)

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 must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for nonrigid containers any size)

Storage and Disposal

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

Pesticide Storage: Store in original container in a cool dry place. In case of leak or spill, contain material and dispose as waste.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for refillable rigid containers larger than 5 gal)

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 must be disposed of on site or at an approved waste disposal facility.

Container Handling: 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

(Storage and Disposal for nonrefillable rigid containers larger than 5 gal)

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 must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refer to label booklet for Directions for Use.

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.

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

EPA Reg. No. 62719-XXX

EPA Est. _____

®Trademark of Dow AgroSciences LLC
Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Net Weight __

16
22

(Label booklet cover):

Clincher® DR

Herbicide

For selective grass weed control in water-seeded rice in Arkansas, Florida, Louisiana, Mississippi, Missouri, Tennessee and Texas

Active Ingredient(s):

cyhalofop: 2-[4-(4-cyano-2- fluorophenoxy) phenoxy] propanoic acid, butyl ester, (R).....	1.8%
Other Ingredients	98.2%
Total	100.0%

Contains 1.8 lb of active ingredient per 100 lb of product.

Keep Out of Reach of Children

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 Directions for Use.

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.

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

EPA Reg. No. 62719-XXX

EPA Est. _____

®Trademark of Dow AgroSciences LLC

**Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268**

Net Weight ___

(Page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals

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.

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

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark except when treating rice fields as specified in this product label. Drift from ground or aerial applications is likely to result in damage to sensitive aquatic organisms in water bodies adjacent to the treatment area. Do not contaminate water when disposing of equipment wash waters or rinsate.

Surface Water: This chemical can contaminate surface water through spray drift from aerial and ground application equipment. Treated rice paddy water can contaminate surface water through accidental release or overflow, or by deliberate release due to normal growing practices, including interim or final release of flood water at harvest

Groundwater: This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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

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 over long-sleeved shirt and long pants
- 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 must be disposed of on site or at an approved waste disposal facility.

Nonrefillable containers 5 gallons or less:

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Nonrefillable nonrigid containers:

Container Handling: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refillable containers 5 gallons or larger:

Container Handling: 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Nonrefillable containers 5 gallons or larger:

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

General Information

Clincher® DR herbicide is a postflood, postemergence herbicide for selective control of grass weeds in water seeded rice. Best results are obtained when Clincher DR is applied directly into flooded rice when grass weeds are at the 1 to 4 leaf stage and are 70 to 100% submerged with a water flood depth of 2 to 5 inches. Only grass weeds emerged and growing under flooded rice conditions at the time of application are controlled. Clincher DR has no preemergence or soil residual activity. Clincher DR will not control broadleaf weeds or sedges.

General Use Precautions and Restrictions

- **Preharvest Interval:** Do not apply within 60 days of rice harvest.

- Clincher DR may not reliably control known ACC-ase resistant weed biotypes.
- Apply Clincher DR directly into flooded rice field. Do not mix Clincher DR in water to make application.
- Do not apply more than 16 lb of product per acre in a single application. Do not make more than two applications or apply more than 27.5 lb of product per acre during the growing season. Sequential applications must be made at least 10 days apart.
- Make no more than two applications of any product containing cyhalofop-butyl (Clincher DR, Clincher SF or Clincher EZ) to the same field in the same year. Apply no more than 0.47 lb active ingredient per year.
- Do not apply to drained rice fields; apply only to flooded rice fields. Fields must be flooded to a depth of 2 to 5 inches at time of application of Clincher DR and grass weeds are 70 to 100% submerged.
- Applications made to greater than 4 leaf weeds, dense weed populations, average water depth greater than 5 inches, and/or weeds submerged <70% may result in reduced weed control.
- Do not apply Clincher DR following rainfall until the water depth in checks or basins has been adjusted to meet the correct water depth requirements.
- Early release of water may result in reduced weed control. For best results, static water conditions should follow an application of Clincher DR for seven days. It is important not to allow the minimum water depth to drop below 2 inches; therefore, adding water may be required. Water should be trickled in or added very slowly.
- For best results, water should not be released for 14 days following an application of Clincher DR. During this time, water depth should be maintained or can be increased as rice grows.
- Shallow water or bare ground can result in reduced weed control as it may promote weed flushes.
- Reduced weed control can be expected at field water inlets due to dilution and movement of water.
- Do not apply where runoff or drain water may flow directly onto agricultural land other than rice fields.
- Under poor field preparation practices (i.e., lack of soil aeration, unlevelled ground, large clods, excessive crop residue, weeds emerged prior to flooding, etc.), reduced weed control may occur when using Clincher DR.
- Clincher DR has no soil residual weed control activity and grass weeds emerging after treatment will not be controlled.
- Clincher DR can be used for weed control in water seeded wild rice in states in which the product is registered. Follow all use instructions.
- Do not apply Clincher DR by any ground application equipment.
- Do not rotate treated land to crops other than rice for three months following an application of Clincher DR.
- Do not fish or commercially grow fish, shellfish or crustaceans on treated acres during the year of treatment.
- **Chemigation:** Do not apply this product through any type of irrigation system.

Best Management Practices for Aerial Application

Equipment used in the application of Clincher DR should be carefully calibrated before use and checked frequently during application to be sure it is working properly and delivering a uniform distribution pattern. Avoid overlaps that will increase the dosage of Clincher DR above specified limits. Do not mix Clincher DR in water. Apply dry product directly into flooded rice fields.

Wind Velocity for Aerial Application: Aerial applications of Clincher DR should be made when the wind velocity is 0 to 10 mph. Do not make aerial applications of Clincher DR when wind speeds are greater than 10 mph.

Water Management

Immediately Prior to Application

- Average water depth at application should be maintained at 2 to 5 inches, with a minimum water depth of 2 inches in the shallowest part of the field, weeds should be submerged 70 to 100%, and there should be no exposed soil.
- If rainfall occurs prior to application, do not apply Clincher DR until water depth in checks or basins can be adjusted to meet the correct water depth requirements.

20
/ 22

First Week Following Application

- For best results, maintain a static flood for seven days following application.
- During the static flood period it is important to maintain a minimum water depth of 2 inches. If necessary, water can be slowly added or trickled in to maintain water depth.
- If water is lost from a basin or check, re-flood immediately. Early release of water will result in reduced weed control.
- Failure to maintain the flood depth after an application of Clincher DR may result in reduced weed control.

Second Week Following Application

- Following the seven-day static flood period, for best results, water should not be released for an additional seven days.
- During this time, water depth should be maintained or increased as rice grows.
- Shallow water conditions can result in reduced weed control as it may promote additional weed flushes.
- If water is lost from a basin or check, re-flood immediately. Early release of water may result in reduced weed control.

At the conclusion of the two-week treatment period, it is important to manage water flood depth to prevent secondary weed flushes, which can occur if water is released or lowered. Clincher DR has no soil residual weed control activity and grass weeds emerging after treatment will not be controlled.

Avoid Injury to Non-Target Plants

Buffer Zones

Buffer zones are defined as the distance between the application site and the sensitive agricultural production crop. For aerial applications, follow the listed buffers to minimize potential drift to off-target vegetation. The buffer zones listed below must be followed:

Sensitive Agricultural Production Crops	Aerial Restrictions (feet)
non-target cereal and grass crops such as corn, sugar cane sudangrass, sorghum, grass grown for seed, millet, and sod farms.	30
peaches and nectarines	100

Drift Management

Avoiding drift is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator, pest control advisor, 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. Do not make aerial applications of Clincher DR when wind speeds are greater than 10 mph. Where states have more stringent regulations, they must be observed.

Resistance Management

The mode of action of Clincher DR is the inhibition of the ACC-ase 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. Clincher DR may not reliably control known ACC-ase resistant grass weed biotypes.

21
22

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 upon appropriate IPM and resistance management strategies and practices that delay or reduce the development of resistant weed biotypes. Such practices include 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 no more than two applications of any product containing cyhalofop-butyl (Clincher DR, Clincher SF, or Clincher EZ) to the same field in the same year.

Application Timing

Application timing is dependent upon the proper grass weed growth stage and optimum timing for weed species present. Clincher DR may be applied to weeds from the 1 to 4 leaf stage up to 60 days before harvest. Within this application window, application timing is dependent upon cultural practices and optimum timing for weed species present. (See Application Rates and Weeds Controlled table.)

Application Rates and Weeds Controlled

Weeds Controlled ¹		Application Rates and Stage of Weed Development
Common Name	Scientific Name	16 lb/acre ²
Amazon sprangletop	<i>Leptochloa panicoides</i>	up to 4 leaf stage prior to tillering
barnyardgrass	<i>Echinochloa crus-galli</i>	
bearded sprangletop	<i>Leptochloa fascicularis</i>	
broadleaf signalgrass	<i>Brachiaria platyphylla</i>	
brook paspalum ³	<i>Paspalum acuminatum</i>	
early watergrass	<i>Echinochloa oryzoides</i>	
fall panicum	<i>Panicum dichotomiflorum</i>	
junglerice	<i>Echinochloa colona</i>	
knotgrass	<i>Paspalum distichum</i>	
large crabgrass ³	<i>Digitaria sanguinalis</i>	
perennial barnyardgrass ³	<i>Echinochloa polystachya</i>	
red sprangletop	<i>Leptochloa filiformis</i>	
Texas panicum ³	<i>Panicum texanum</i>	
water paspalum ³	<i>Paspalum hydrophilum</i>	

¹Clincher DR may not reliably control known ACC'ase resistant grass biotypes.

²For a sequential application of Clincher DR following an initial application of 16 lb per acre, apply a maximum of 11.5 lb per acre. This will be considered a rescue application and excellent weed control cannot be expected. Allow a minimum of 10 days between sequential applications of Clincher DR with other products containing cyhalofop-butyl.

³Suppression

Herbicide Programs

Clincher DR can be applied in sequence either before or after applications of Grasp SC. Follow all use instructions and restrictions on all product labels.

Do not apply in combination or sequentially with Shark/Aim (carfentrazone) or Londax (bensulfuron) dry formulations or any dry formulation combination products that contain these active ingredients. Reduced grass control may result if Clincher DR is applied in combination with or immediately following other herbicides not listed above.

Terms and Conditions of Use

22
22

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 Limitations 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

To the extent permitted by law, 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 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 __/__/__