

2749-530

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

JAN 25 2011

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms. Maria Cerrone
Product Registration
Aceto Agricultural Chemical Company
One Hollow Lane, Suite 201
Lake Success, NY 11042-1215

SUBJECT: Application for Pesticide Notification (PRN 98-10)
Request Alternate Brand Name "Aceto Diquat 2L AG Herbicide"
EPA Reg. No.2749-530
Application Dated January 6, 2010

Dear Ms. Cerrone:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 01/06/10 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

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

Sincerely,

A handwritten signature in dark ink, which appears to read "Paul J. Mastradone", is written over a horizontal line.

Paul J. Mastradone, Ph.D., Acting
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs



One Hollow Lane, Lake Success, New York 11042-1215

January 6, 2010

Re: Notification of Additional Brand Name
Diquat Dibromide 37.3% SL Ag
EPA Reg No: 2749-530

We are herewith submitting notification of an additional brand name in compliance with PR Notice 98-10 for the above-cited registration.

Additional Brand Name: Aceto Diquat 2L AG Herbicide

Enclosed with this submission is the following document:

- EPA Form 8570-1
- Certification of Compliance with PR Notice 98-10

Thank you for your cooperation in this matter. If you have any question, please contact me.

Regards,

Maria Curroni

Maria Cerrone
Administrative Assistant

Enclosures:

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NOTIFICATION

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diquat 2L AG

HERBICIDE

TO PREVENT ACCIDENTAL POISONING, NEVER PUT INTO FOOD, DRINK, OR OTHER CONTAINERS, AND USE STRICTLY IN ACCORDANCE WITH ENTIRE LABEL. DO NOT USE THIS PRODUCT FOR REFORMULATION.

ACTIVE INGREDIENT:

Diquat dibromide [6,7-dihydrodipyrido (1, 2-a:2'-1'-c) pyrazinedium dibromide]..... 37.3%

OTHER INGREDIENTS:..... 62.7%

Total:..... 100.0%

Contains 2lbs. diquat cation per gal. (3.73 lbs. diquat dibromide per gal.)

KEEP OUT OF REACH OF CHILDREN CAUTION

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

FIRST AID	
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIANS To be effective, treatment for diquat poisoning must be IMMEDIATELY . Treatment consists of binding diquat in the gut with suspensions of activated charcoal or bentonite clay, administration of cathartics to enhance elimination, and removal of diquat from the blood by charcoal hemoperfusion or continuous hemodialysis. Have the product container or label with you when calling a poison control center or physician, or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE 1-800-424-9300 OR 1-703-527-3887.	

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store at temperatures above 32°F, in a cool, dry area under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Do not put concentrate or dilute product into food or drink containers. Store away from food, pet food, feed, seed, fertilizer, insecticides, fungicides and veterinary supplies.

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

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse this container to hold other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose in a sanitary landfill, or by incineration or by other procedures approved by state and local authorities. Do not burn unless allowed by state and local ordinances. If rinsate cannot be used, follow pesticide disposal instructions. If not triple or pressure rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state and federal regulations.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain container for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

SEE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

Manufactured for:
Aceto Agricultural Chemicals Corporation
One Hollow Lane, Lake Success, NY 11042-1215

EPA Reg. No. 2749-530
EPA Est. No. 37429-GA-001
Net Contents: 2.5 gallons

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AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treat areas during this restricted entry interval (REI) of 24 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 short-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks
- Protective Eyewear
- Chemical-resistant headgear for overhead exposure

NON- AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep all unprotected persons out of operating areas or vicinity where there may be drift.

Do not allow entry of maintenance workers into treated areas, or allow contact with treated vegetation wet with spray, dew, or rain, without appropriate protective clothing until spray has dried.

GENERAL USE INFORMATION

Diquat 2L AG Herbicide is nonvolatile herbicide chemical for use as a pre-harvest aid to desiccate certain crops in order to facilitate harvesting. Diquat 2L AG Herbicide is also used as a general herbicide to control weeds in non-crop areas and non-bearing crops. Diquat 2L AG Herbicide is a contact-type herbicide and requires actively growing green plant tissue to function. Thorough coverage of all green plant tissue is essential for effective control. Diquat 2L AG Herbicide is rapidly absorbed by green plant tissue and interacts with the photosynthetic process to produce compounds which destroy plant cells. Herbicide activity is usually quite rapid with effect visible in a few days.

PRECAUTIONS

Direct spray contact or drift of this product will cause severe plant injury or death.

Avoid contact with desirable vegetation.

Retreatment may be necessary to control large weeds or established weeds.

Sediment in water for this product's dilution may result in reduced control.

Do not apply this product through any type of irrigation system.

Rinse all spray equipment thoroughly with water after use.

AGRICULTURAL USE DIRECTIONS**APPLICATION**

Since Diquat 2L AG Herbicide is a contact-type herbicide, it is essential to obtain complete coverage of the target weed or crop to achieve effective results. Improper application technique and/or application to large, stressed, or mowed weeds will generally result in unacceptable control. Complete coverage is also essential for effective performance in harvest aid applications. See details below for additional information.

Nozzle Selection

The use of flat fan nozzles will result in the most effective application of Diquat 2L AG Herbicide. The use of nozzles other than flat fans may result in reduced performance due to inadequate coverage.

Spray Volume

Follow the minimum spray volumes listed for each use of Diquat 2L AG Herbicide. These are minimum volumes only, and spray volumes should be increased as necessary to obtain complete coverage of the target weed or plant without runoff from the foliage. When spraying less than 20 gals. of spray carrier per acre, target weeds should not exceed 6 inches in height.

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Controlling placement of spray droplets:

- Boom Length – For some use patterns, reducing the effective boom length to less than $\frac{1}{4}$ of the wingspan or rotor length may further reduce drift without reducing swath width.
- Application height – Applications should not be greater than 10 feet above the top of the tallest plants unless a great height is required for aircraft safety. Greater application heights result in greater droplet size reduction through evaporation and greater movement in air currents. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.
- Application speed – Slower aircraft speeds within a safe range will produce less air turbulence and fewer small droplets.
- Swath adjustment – When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicators must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distances should increase drift potential (wind speed, droplet size, etc.)

Key environment factors:

- Wind – Drift potential is the lowest between wind speeds of 2 to 10 mph. However, many factors including droplet size and equipment type determine drift potential at any given point. Application should be avoided when wind speeds are below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Applicators should be familiar with local wind patterns and how they affect drift.
- Temperature and Humidity – When making applications in low relative humidity set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.
- Temperature Inversions – Application should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable air currents that are common during inversion. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke detector. Smoke not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke detector. 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.
- Sensitive Areas – The pesticide should only be applied when the wind is blowing away from adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops).

SPECIFIC USE DIRECTIONS

The following table indicates use pattern, rates, minimum spray volumes, and pre-harvest interval for specific uses.

CROP	USE PATTERN	DIQUAT 2L AG HERBICIDE RATE PER ACRE	PRECAUTIONS, RESTRICTIONS AND COMMENTS
Alfalfa (seed crop only)	Pre-harvest desiccation broadcast	1 ½ - 2 pts. (see precautions section for additional rate information)	<ul style="list-style-type: none"> • On thin stands of seed alfalfa use 1 pt. per acre. • Desiccation is complete in 3-10 days. • Apply a minimum of 15 gallons of spray per acre by ground. • Apply a minimum of 5 gallons of spray per acre by air. • Minimum post-harvest interval (PHI) is 3 days. • Do not graze or feed treated forage to livestock. • Do not use seed from treated plants for food, feed, or oil purposes.
Clover (seed crop only)	Pre-harvest desiccation broadcast	1 ½ - 2 pts.	<ul style="list-style-type: none"> • Desiccation is complete in 3-10 days. • Apply a minimum of 15 gallons of spray per acre by ground. • Apply a minimum of 5 gallons of spray per acre by air. • Minimum post-harvest interval (PHI) is 3 days. • Do not graze or feed treated forage to livestock. • Do not use seed from treated plants for food, feed, or oil purposes.
Potato	Pre-harvest desiccation broadcast	1 - 2 pts.	<ul style="list-style-type: none"> • Do not apply to drought stressed potatoes. • Apply in a minimum 20 gallons of spray per acre by ground. • Apply a minimum of 5 gallons of spray per acre by air. • Make a second application if necessary to obtain additional desiccation where vine growth is dense. For improved vine coverage, a 5 day interval is used between applications. • Minimum post-harvest interval (PHI) is 7 days. • Do not exceed a total of 4 pts. per acre.
Sorghum, Grain (seed crop only)	Pre-harvest desiccation broadcast	1 ½ - 2pts.	<ul style="list-style-type: none"> • Apply within 1-2 weeks of harvest and when seeds have not more than 30% moisture. • Apply in a minimum 15 gallons of spray per acre by ground. • Apply a minimum of 5 gallons of spray per acre by air. • Do not graze or feed treated forage to livestock. • Do not use seed from treated plants for food, feed, or oil purposes.
Soybean (seed crop only)	Pre-harvest desiccation broadcast	1 ½ - 2 pts.	<ul style="list-style-type: none"> • Apply one week before harvest. • Apply a minimum of 15 gallons of spray per acre by ground. • Apply a minimum of 5 gallons of spray per acre by air. • Do not graze or feed treated forage to livestock. • Do not use seed from treated plants for food, feed, or oil purposes.

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The following table indicates the use pattern and rates for non-crop or non-planted areas.

OTHER USES	USE PATTERN	DIQUAT 2L AG HERBICIDE 37.3% SL RATE	PRECAUTIONS, RESTRICTIONS AND COMMENTS
Non-crop or Non-planted Areas on Farms	Broadcast	1-2 pts.	<ul style="list-style-type: none"> • Apply for full coverage and thorough weed contact. • Apply in a minimum of 15 gallons water per acre. • Retreatment may be necessary to control grasses and established weeds. • Avoid spray contact with foliage of food crops or ornamental plants or other desirable vegetation. • Add the labeled rate of 75% or greater nonionic surfactant to the finished spray volume.
Fence Lines, Farmyards, Farm Buildings, Fuel Storage Areas, Barrier Strips, Equipment Areas, and Dry (non-flooded) Areas around ponds, lakes, and drainage ditches on farms.	Spot Treatment	1-2 qts.	<ul style="list-style-type: none"> • For spot treatment the labeled rate of a 75% or greater nonionic surfactant per 100 gals. water or 0.75 oz. (22 ml) plus the labeled rate of a 75% or greater nonionic surfactant per 1 gal. of water.

WARRANTY DISCLAIMER AND NOTICE

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aceto Agricultural Chemicals Corporation. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aceto Agricultural Chemicals Corporation is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ACETO AGRICULTURAL CHEMICALS CORPORATION DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ACETO AGRICULTURAL CHEMICALS CORPORATION'S ELECTION, THE REPLACEMENT OF PRODUCT.

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