

100-1067

5/19/2005

Page 188



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

MAY 19 2005

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. Jerry Wells  
Syngenta Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, NC 27419-8300

Dear Mr. Wells:

Subject: Paraquat Concentrate ES  
EPA Registration Number 100-1067  
Application dated March 23, 2005

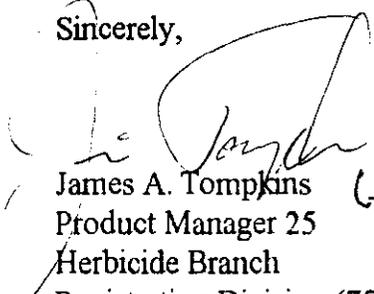
The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended is acceptable, provided you make the following changes before you release the product for shipment.

1. Add "Chemical resistant apron" to the statements under "When handling or mixing concentrate or when exposure to concentrate is possible, wear:" on page 3.

Submit one (1) copy of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

If you have any questions, please contact Hope Johnson at 703-305-5410.

Sincerely,

  
James A. Tompkins (Signed at 3:00 pm)  
Product Manager 25  
Herbicide Branch  
Registration Division (7505C)

288

**Paraquat Concentrate ES**

For Formulation of Paraquat Herbicide Products Only

Refer to Syngenta Manufacturing Formulas for Formulating Directions, Chemical and Physical Properties

**Active Ingredient:**

Paraquat dichloride (1,1'-dimethyl-4,4'-bipyridinium dichloride)..... 45.6%

Other Ingredients:..... 54.4%

**Total:** 100.0%

Contains 3.14 pounds paraquat cation per gallon as 4.332 pounds salt per gallon.  
Contains emetic.

**KEEP OUT OF REACH OF CHILDREN.**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
MAY 19 2005



**DANGER/ POISON  
PELIGRO**

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

100-1067

- NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.
- IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRST AID SECTION. SYMPTOMS ARE PROLONGED AND PAINFUL.

See additional precautionary statements and directions for use on label.

EPA Reg No. 100-1067

EPA Est. 100-TX-001

Net Contents: \_\_\_\_\_

| <b>FIRST AID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contains Paraquat, a Bipirydylum Herbicide</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                 |
| <b>If swallowed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <ul style="list-style-type: none"> <li>• SPEED IS ESSENTIAL. Immediate medical attention is required. If available, give an adsorbent such as activated charcoal, bentonite or Fullers Earth.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>If in eyes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>                                                         |
| <b>If on skin or clothing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>                                                                                                                           |
| <b>If inhaled</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• The odor of this product is from the stenching agent, which has been added, not from the paraquat.</li> <li>• If person is not breathing, call 911 or an ambulance.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>                    |
| <b>NOTE TO PHYSICIAN</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                 |
| <p>Refer to the booklet 'Paraquat Poisoning. A Practical Guide to Diagnosis, First Aid and Hospital Treatment'. (<a href="http://www.syngenta.com/pqmedguide/">http://www.syngenta.com/pqmedguide/</a>) Administer either activated charcoal (100g for adults or 2g/kgbody weight in children) or Fuller's Earth (15% solution; 1 liter for adults or 15ml/kg body weight in children). NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat, however contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.</p> |                                                                                                                                                                                                                                                                                                                                                                 |
| <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment..</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                 |
| <b>HOT LINE NUMBER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                 |
| <p>For 24-Hour Medical Emergency Assistance (Human or Animal)<br/>Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident)<br/>Call<br/><b>1-800-888-8372</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                 |

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**



**DANGER/ POISON  
PELIGRO**

May be fatal if swallowed. Fatal if inhaled. Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Do not breathe spray mist. Do not inhale contaminated plant dust.

**IMPORTANT:** Inhalation is an unlikely route of exposure due to low vapor pressure, but mucosal irritation or nose bleeds may occur. Prolonged contact with this concentrated product can irritate your skin.

When handling or mixing concentrate or when exposure to concentrate is possible, wear:

- Long-sleeve shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks
- Face shield
- Protective eyewear

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. **REMOVE** contaminated clothing and wash separate from other laundry before reuse.

**ENVIRONMENTAL HAZARDS**

**WILDLIFE:** This product is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of EPA.

**PHYSICAL AND CHEMICAL HAZARDS:** This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers, tanks, or such systems made of aluminum or having aluminum fittings.

**EQUIPMENT/CONTAINER:** Flush all equipment with water after use each day. Paraquat is corrosive to aluminum. Aluminum equipment and aluminum structures that are exposed to solution or spillage should be flushed thoroughly with water immediately after use.

#### **SPILLAGE DURING TRANSPORT**

**Emergency action:** Notify police and fire departments immediately. For any spill, leak, fire or exposure in the United States, call **1-800-888-8372**. In other countries, call your local Syngenta agent.

**KEEP PUBLIC AND ANIMALS** away from area. **MARK ROADS AND WARN OTHER ROAD USERS.** **WEAR** face shield, waterproof gloves, waterproof footwear, and long-sleeve shirt and long pants during decontamination operations.

Clean up spills as soon as possible. Cover spill with generous amount of clay or loam soil to absorb liquid, using a stiff broom to insure intimate contact. Sweep onto shovel and transfer to plastic bag or other disposable container. Repeat operations until contaminated surfaces are dry. Finally, hose spill site with water if feasible.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Buyer is solely responsible for any risks created by the end use or uses to which it or any User puts this product. SYNGENTA CROP PROTECTION, INC. shall not be responsible for any risks caused by the incorporation of this product into an end use product by Buyer or User. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Syngenta and Seller harmless for any claims relating to such factors.

Syngenta warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Syngenta, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall Syngenta or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Syngenta and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Syngenta.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product without complying with all label directions and warnings.

This product is to be used only for formulation into herbicides with an acute oral toxicity to dogs (lethal effects) that exceeds 128 mg paraquat ion/kg body weight (602 mg of formulation/kg body weight for a 240 g paraquat ion/l formulation) and that contain an effective emetic that meets FAO specifications, a dye, and an olfactory alerting agent that have been cleared under FIFRA for use in pesticides registered for food use.

**READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.**

Only for formulation into an herbicide for the following uses:

- (1) Terrestrial Food: Alfalfa, Almonds, Asparagus, Cassavas, Clover and other Legumes, Corn (pop, field, sweet, and seed), Cotton, Dry beans, Easter Lilies, Fallow land, Garlic, Guar, Guava, Hops, Lentils, Mint, Onions, Passion Fruit, Pastures, Peanuts, Pigeon peas, Pineapple, Potato, Rice, Safflower, Small fruits, Small grains, Sorghum, Soybeans, Sugar Beets, Sugarcane, Sunflower, Taniers, Taro, Trees and Vines, Tyfon, Vegetables, Yams;

Terrestrial Nonfood: Conservation Compliance Lands, Conservation Reserve Lands, Federal Set-Aside Lands, Grasses grown for seed, Resin soaking (pines), Tree Plantation Establishment;

- (2) Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and
- (3) Uses for experimental purposes that are in compliance with USEPA requirements.

---

### STORAGE AND DISPOSAL

---

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

**PESTICIDE STORAGE:** Store at temperatures above 32°F. For help with any spill, leak, or fire involving this material, call **1-800-888-8372**.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**RECYCLABLE/REFILLABLE CONTAINERS:** Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

**CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER!**

---

©2004 Syngenta

For non-emergency (e.g., current product information), call  
Syngenta Crop Protection at 1-800-334-9481

Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409  
[www.syngenta-us.com](http://www.syngenta-us.com)