

Reg. # 1381-98

PM-23

198

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

26 AUG 1992

Gene R. Currie  
Cenex/Land O' Lakes  
P.O. Box 64089  
St. Paul, MN 55164-0089

Dear Mr. Currie:

Subject: Revised Label  
Class MCPE  
EPA Registration No. 1381-98  
Your Submission Dated May 12, 1992

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provision:

Due to new EPA policy, part of the Environmental Hazards section has been changed. To comply, change the sentence "Do not apply to water or wetlands (swamps, bogs, marshes and potholes)" to read "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."

A stamped copy is enclosed for your records. Please submit five (5) final printed copies for the referenced label, incorporating the above change.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL	H7505C						
SURNAME	D. KENNY						
DATE	8/25/92						

*Additional Changes Highlighted*

278

**CLASS**

**CROP PROTECTION**

**CLASS**  
**MCPA**  
**PHENOXY HERBICIDE**  
For Wheat, Barley, Oats, Rye and Flax

**ACTIVE INGREDIENT:**

2-methyl-4-chlorophenoxyacetic acid*	
isooctyl (2-ethylhexyl) ester .....	68.7%
<b>INERT INGREDIENTS:</b> .....	<u>31.3%</u>
Total .....	100.0%

\*Equivalent to 44.1% of 2-methyl-4-chlorophenoxyacetic acid or no less than 3.7 lbs. of MCPA acid per gallon at 68oF.  
\*Isomer specific by A.O.A.C. Method No. 6.A18-22 (13th ed.)

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

<sup>R</sup>CLASS is a registered trademark of Cenex/Land O'Lakes Agronomy Company

EPA Reg. No. 1381-98  
EPA Est. 407-IA-1

F-90

Manufactured For  
**CENEX/LAND O'LAKES AGRONOMY CO.**  
St. Paul, MN 55114

NET CONTENTS \_

**ACCEPTED**  
with **COMMENTS**  
to EPA Letter Dated:

28 AUG 1992

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

1381-98

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

Harmful if swallowed. If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. Call physician immediately.

Causes eye and skin irritation. Do not get in eyes, on skin, or on clothing. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Get medical attention if skin irritation persists. Remove and wash contaminated clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates. Drift or runoff adversely effect aquatic invertebrates and nontarget plants. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water when disposing of equipment washwaters or rinsate.

Most cases of groundwater contamination involving phenoxy herbicides such as MCPA have been associated with mixing/loading and disposal sites. Caution should be exercised when handling MCPA pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

Wash spray equipment thoroughly with CLASS Protank Cleaner after using this product. When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources.

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**RE-ENTRY STATEMENT**

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Do not enter treated areas without protective clothing until sprays have dried.

Do not apply this product around houses, recreation sites, or similar areas.

**BEST AVAILABLE COPY**

### STORAGE AND DISPOSAL

**STORAGE:** Store in a secure area, in original container only. Do not store near feed or foodstuffs.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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. Do not contaminate water, food, or feed by storage or disposal.

**CONTAINER DISPOSAL: Metal Containers:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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

### GENERAL INFORMATION

This product is recommended to control certain weeds in wheat, oats, barley, rye, flax, grassland, fence rows and roadsides and other similar non-crop areas.

Do not apply this product by aerial application in the vicinity of sugar beets.

This product is recommended to control the following as well as many other noxious plants susceptible to MCPA.

**More Susceptible Weeds:**

Annual sowthistle	Pepperweed, field
Beggarticks	Poison hemlock
Cocklebur	Puncturevine
Dragonhead mint	Ragweed
Goatsbeard	Shepherdspurse
Hempnettle	Stinkweed (fanweed Pennycress)
Lambsquarter	Wild radish
Marshelder	Yellow Rocket (Wintercress)
Mustards (except blue)	

**Less Susceptible Weeds:**

Buttercups	Purslane
Canada Thistle	Russian pigweed
Chervil	Russian thistle
Dandelion	Stinging nettle
Miner's lettuce	Sunflower
Perennial sowthistle	Vetch
Plantains	Whitetop (Hoarycress)

**BEST AVAILABLE COPY**

**USE PRECAUTIONS**

Mixers/loaders or applicators are required to use face shields or goggles.

Avoid spray drift by making applications when conditions such as wind, air stability and temperature inversions are not a factor. The use of CLASS Precision Drift Control Agent at the proper rate will aid in the reduction of spray drift.

Use care to avoid spray contact or drift to susceptible plants such as beans and other legumes, cotton, flowers, grapes, ornamentals, vegetables, and other plants. Do not permit spray mist containing this product to drift onto them, since even very small quantities of the spray, which may not be visible can cause severe injury during both growing and dormant periods.

With ground equipment, spray keeping the spray boom as low as possible, applying high spray volumes, using low nozzle pressure with flat fan or flooding flat fan nozzle tips within the capabilities of the application equipment. Do not apply with hollow cone-type insecticide or other nozzles that produce a fine droplet spray. With aircraft application, spray using high spray volumes, low nozzle pressure within the capabilities of the application equipment. At high temperatures (above 95°F) vapors from this product may injure susceptible plants growing nearby. Do not use in or around greenhouses.

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

**Note:** Local conditions, crop varieties and application regulations vary and may affect use of this herbicide. Consult local agricultural experiment station or extension service weed specialists and state regulatory agencies for recommendations in your area.

**Note:** When stored at temperatures below freezing, it may be necessary to warm contents to 70°F and mix thoroughly before using.

**Preparation of the Spray:** Mix the recommended amount of product with the volume of water indicated under each crop listing. Best results are obtained when spraying is done while weeds are young and actively growing.

**FIELD CROPS**

**Wheat, Oats, Barley and Rye** — For aerial application, apply the recommended amount in a minimum of 1 gallon of water per acre. Use 3 or more gallons under adverse growing conditions. For ground application, apply the recommended amount in a minimum of 3 gallons of water per acre. Use 10 or more gallons under adverse growing conditions. (Fall planted) Use 1/2 to 1 pint per acre for the more susceptible weeds after crop has reached the 3 to 4 leaf stage up to boot stage (Zadoks 13 to 40). Apply as a water mix spray. Use up to 3 pints per acre for less susceptible weeds after crop has tillered and up to early boot stage (Zadoks 25 to 40). Do not spray from boot stage to dough stage (Zadoks 40 to 80).

**Flax** — For aerial application, apply the recommended amount in a minimum of 1 gallon of water per acre. Use 3 or more gallons under adverse growing conditions. For ground application, apply the recommended amount in a minimum of 3 gallons of water per acre. Use 10 or more gallons under adverse growing conditions. Use 1/4 to 1/2 pint per acre. Apply only when weeds are up and when flax is 4 to 8 inches high and before bud stage. Treatment after early bud stage may result in severe damage. If Canada thistle is present, up to 3/4 pint per acre may be necessary for control. Flax may be injured at this higher rate. Do not forage or graze meat animals on treated areas within 7 days of slaughter.

**PASTURES AND RANGE LAND**

**Grassland (Established grassland)** Apply 1 to 3 pints per acre. For aerial application, apply the recommended amount in a minimum of 1 gallon of water per acre. Use 3 or more gallons under adverse growing conditions. For ground application, apply the recommended amount in a minimum of 3 gallons of water per acre. Use 10 or more gallons under adverse growing conditions. Use higher rate for Whitetop, Canada thistle and other less susceptible weeds. Spray perennials in early bud to full bloom stage and during active regrowth in fall. Other weeds may be controlled during spring or fall when actively growing.

**Grasses (grown for seed)** Apply 1 to 2 pints per acre. For aerial application, apply the recommended amount in a minimum of 1 gallon of water per acre. Use 3 or more gallons under adverse growing conditions. For ground application, apply the recommended amount in a minimum of 3 gallons of water per acre. Use 10 or more gallons under adverse growing conditions. Use the higher rate where weed stands are heavy. In established grasses apply in spring before head comes into boot and on seedling grass after grass has tillered.

**NOTE:** For weed control in grasses, repeat treatment may be needed for less susceptible weeds. In some areas bent, buffalo, carpet and St. Augustine grasses may also be injured by treatment.

Do not forage or graze meat animals on treated areas within 7 days of slaughter.

**CONSERVATION RESERVE PROGRAMS AND SET-ASIDE ACRES**

DO NOT use on alfalfa, clover, other legumes or newly seeded areas.

Apply 1 to 3 pints per acre. For aerial application, apply the recommended amount in a minimum of 1 gallon of water per acre. Use 3 or more gallons under adverse growing conditions. For ground application, apply the recommended amount in a minimum of 3 gallons of water per acre. Use 10 or more gallons under adverse growing conditions. Use higher rate for Whitetop, Canada thistle and other less susceptible weeds. Spray perennials in early bud to full bloom stage and during active regrowth in fall. Other weeds may be controlled during spring or fall when actively growing. In established grasses apply in spring before head comes into boot and on seedling grass after grass has tillered. Repeat treatment may be needed for less susceptible weeds.

**FOR SET-ASIDE ACRES** -- Once the Agricultural Stabilization & Conservation Service has released Set-Aside Acres for grazing, do not allow dairy animals or animals being finished for slaughter to forage or graze treated fields within 7 days after treatment.

**FOR CONSERVATION RESERVE PROGRAMS** -- Do not harvest or graze at any time.

**NON-CROP USES** (Fence rows, roadsides; aerial and surface applications): For spot treatment of Canada thistle, Whitetop and Meadow buttercups use 1/2 pint in 3 to 4 gallons of water. For more extensive areas use 3/4 gallon of this product per acre. Spray to wet weeds thoroughly when in bud to early bloom and again during active fall regrowth. Do not forage or graze livestock on treated areas within 7 days of treatment.

**BEST AVAILABLE COPY**

**LIMIT OF WARRANTY AND LIABILITY**

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OF MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, unusual weather, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY, OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL CONSEQUENTIAL OR SPECIAL DAMAGES.

Buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

In case of emergency involving this product or for user safety information on this product, contact Cenex/Land O'Lakes via CHEMTREC at 1-800-424-9300.

**BEST AVAILABLE COPY**