

10088-68

1/16/2015

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Becky Bell  
SH&E Coordinator  
Athea Laboratories, Inc.  
P.O. Box 240014  
Milwaukee, WI 53224

JAN 16 2015

Subject: Label Notification per PRN 98-10 – Minor Label Changes  
Product Name: Non-Selective Herbicide #2  
EPA Registration Number: 10088-68  
Application Date: October 22, 2014  
Decision Number: 496781

Dear Ms. Bell:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the actions 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, you may contact Terri Stowe at (703) 305-6117 or via email at [stowe.terri@epa.gov](mailto:stowe.terri@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Kathryn V. Montague".

Kathryn V. Montague, Product Manager 23  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

# NOTIFICATION JAN 16 2015

**For ground boom application:**  
Do not apply with nozzle height greater than 1 feet above the crop canopy.  
2-4-D only may be used during conditions of low humidity and high temperatures. Do not apply during conditions of low humidity and high temperatures.

**Application Restrictions:** 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.

This is to be used in non-residential areas or in or around homes.

**Performance (annual & perennial weeds):** Limited to five applications per year. Maximum of 40 gallons per acre per application. Minimum of 50 days between applications. Application to non-cropland areas are not applicable, to treatment of commercial timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

**Entry Restrictions:** Do not enter or allow people (or pets) to enter the treated areas until sprays have dried. Prohibited for aerial applications.

**STORAGE AND DISPOSAL**

**Do Not Contaminate Water, Food, or Feed by Storage or Disposal.**

**Pesticide Storage:** Store in a dry place no lower in temperature than 5°F or higher than 100°F.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or empty container 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 for less than or equal to 5 gallons

**Container Disposal:** Nonrefillable containers. Do not reuse or refill container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 30 seconds after the flow begins to drip. Fill the container 1/4 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 30 seconds after the flow begins to drip. Repeat procedure two more times.

**Container Disposal:** Refillable containers. Do not reuse or refill container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill container 1/4 full with water. Reseal and label container. If container on its side and full of liquid, recapping at least one complete revolution for 30 seconds. Stand the container on its end and fill back and forth several times. Turn the container over onto its other end and fill it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**NET CONTENTS:**  
(Insert container size here, expressed in gallons/ounces with the option to add the metric equivalent.)

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This liquid weed killer is composed of 3-bromo-5-sec-butyl-6-methyl-2-pyridinylamine (Bromoxynil) and low volatile 2,4-D ester. The low volatile ester carrier provides rapid penetration and translocation in the plant, the volatility of the herbicide in water assures full effect regardless of rainfall after application or stage of growth at time of application.

This liquid weed killer may be applied at any time of the year except when the ground is frozen. Best results are obtained when predominant weeds have emerged and developed to a point where they present a problem. Apply this product as a pre, application or dormant herbicide, as necessary, and any equipment from which it is applied may be used. Equipment should be calibrated to assure application of the specified amount of herbicide.

For control (or maintenance) of: (broadleaf) (perennial) (hard-to-kill) (perennial) weeds and grasses (for an extended period of time) (broadleaf) (but not limited to) catgrass, nuttall barnyard grass, lamb's-ear, pigweed, smooth bromegrass, quackgrass, Canada bluegrass, brome, bermudagrass, dandelion, goldenrod, plantain, wild carrot, purpletop, johnsongrass, sorghum, Bermuda grass, crabgrass, (broadleaf and narrow leaf), use 1 gallon per 1000 square feet (40 gallons per acre).

**Safe Use Management**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Drift Size**

When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a coarse or coarse spray, apply only as a coarse or coarse spray (ASAE Standard 572) or a volume mean diameter of 36 microns or greater for spraying abatement nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a medium or more fine spray, apply only as a medium or coarse spray (ASAE Standard 572) or a volume mean diameter of 300 microns or greater for spraying abatement nozzles.

**Wind Speed**

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, riparian habitat, or non-target species, non-target crops) within 250 feet downwind. If applying a medium spray, have one swath upwind of the downwind edge of the treated field.

**Temperature Inversions**

If applying at wind speeds less than 5 mph, the applicator must determine if all conditions of temperature inversion exist, or if stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or unstable atmospheric conditions.

**Sensitive Plants**

Do not apply under circumstances where spray drift may occur to food, forage, or other plants that might be damaged or crops thereof rendered unfit for sale or consumption. Sensitive crops include, but are not limited to, cotton, dry beans, grapes (for growing stage), fruit trees (citrus), tomatoes (growing stage), ornamentals, softwoods, hardwoods, berries, and other vegetables or tubers. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

**Other State and Local Requirements**

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations they must be observed.

**Equipment**

All ground application equipment must be properly maintained and calibrated using appropriate criteria or surveys.

## NON-SELECTIVE HERBICIDE #2

WHERE CONTROL OF ALL VEGETATION IS DESIRED

**SOIL STERILANT**

**ACTIVE INGREDIENTS**  
2,4-D (2,4-dichlorophenoxyacetic acid) 1.00%

**OTHER INGREDIENTS**  
1.93%

**TOTAL**  
2.93%

2,4-D (2,4-dichlorophenoxyacetic acid) contains 0.83% lower acid. AGL Method No. 6.101.1.  
Contains petroleum distillates, xylene, or other range aromatic solvent.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor. Do not take vitamin unless told to do so by a poison control center or doctor. Do not get any liquid in the person. Do not get anything by mouth to an unconscious person.

**IF IN EYES:** 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 FACE:** Wash face thoroughly with soap and water. If it gets into your eyes, use plenty of water to flush out. If it gets into your mouth, spit it out. Do not swallow. Call a poison control center or doctor for treatment advice.

**NOTE:** This product contains a system that is flammable. Flammable vapors may cause explosion potential.

EPA REG. NO. 10088-68  
EPA EST. 10088-WI-1

Manufactured by:  
Althea Laboratories Inc  
PO Box 240014  
Milwaukee, WI 53224

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

Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing.

**Personal Protective Equipment (PPE):**  
Some materials that are chemical-resistant are barrier laminate, nitrile or neoprene rubber, or viton. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, and other handlers must wear long-sleeved shirt and long pants, shoes and socks, plus chemical resistant gloves when applying with any hand-held nozzle or equipment, mixing of loadings, cleaning up spills or equipment, or otherwise exposed to the concentrate, chemical residual, spray when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for PPE, then wash and dry before reuse. If you must wash PPE, separately from other clothing.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands before eating, drinking, chewing gum, tobacco use, or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.

Users should 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 pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or treated areas.

2,4-D has properties and characteristics associated with chemicals deferred 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. Application around a stream or well may result in contamination of drinking water or groundwater.

**PHYSICAL OR CHEMICAL HAZARDS:**  
Combustible. Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For use on non-crop areas such as fence rows, pasture lots, around buildings, loading ramps, storage racks, ball farms, snow piles, industrial dust bins and other similar areas where grasses and weeds are a problem, create a fire hazard or cause unsightly appearance.

Words in italics are for reference only  
Words in [ ] are alternative language  
Words in {} are optional language