

Reg # 407-433

PM-23

196

Imperial^{*} INC.

GENERAL OFFICE

P. O. Box 98
W. Sixth Ave.
Shenandoah, Iowa 51601 — 0098
712-246-2150

BRANCH PLANT

P. O. Box 333A
Highway 13 North
Albert Lea, Minnesota 56007 — 9683
507-373-2566

February 3, 1993

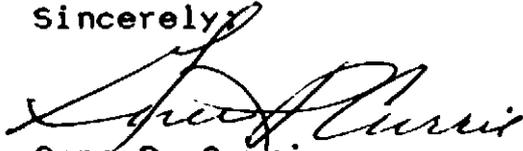
Joanne I. Miller, Product Manager 23
U.S. Environmental Protection Agency
Office of Pesticide Programs
Registration Division (H7505C)
410 M Street S. W.
Washington D.C. 20460

Dear Ms. Miller:

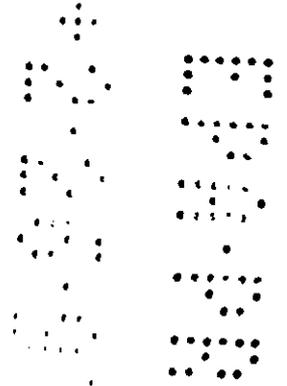
Subject: Revised labeling and certification of compliance for 2,4-D products.

I, being an authorized representative of Imperial Inc. certify that all containers of 2,4-D 560 Amine Weed Killer ~~407-433~~ produced by October 23, 1993 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products. I further certify that all containers of said product sold and distributed by this company by April 15, 1994 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products.

Sincerely,



Gene R. Currie
Regulatory Affairs Manager



IMPERIAL

2,4-D
560 AMINE
WEED KILLER

ACTIVE INGREDIENT:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic acid* 66.8%

INERT INGREDIENTS: 33.2%

Total 100.0%

*Isomer Specific by AOAC Method No. 6.275 13th Edition 1980
*2,4-Dichlorophenoxyacetic acid equivalent ... 55.5%
Contains 5.6 lbs. 2,4-Dichlorophenoxyacetic acid per gallon

KEEP OUT OF REACH OF CHILDREN

DANGER

PELIGRO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes immediately with water for at least 15 minutes. Call a physician.

IF ON SKIN: Wash with soap and water. If on clothing, remove immediately and wash before reuse. If on shoes, discard them.

IF SWALLOWED: If conscious, induce vomiting by giving two glasses of water and sticking finger down throat. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician.

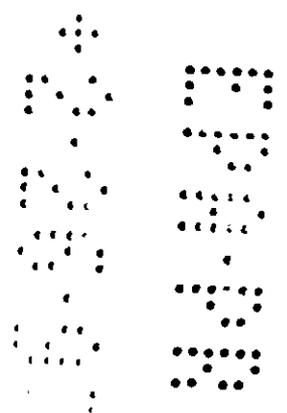
SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 407-433
EPA Est. 407-IA-1S, 407-MN-1A
Superscript used corresponds to letter in lot number

F-90

Manufactured By
IMPERIAL INC.
SHENANDOAH, IA 51601

NET CONTENTS _____



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

Corrosive, causes eye damage. May be fatal if absorbed through skin. Do not get in eyes, on skin, or clothing. Wear goggles or face shield, protective clothing and rubber gloves when handling. Wash thoroughly after handling. Harmful if swallowed or inhaled.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect 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.

Do not allow this product to come into contact with sensitive plants such as vegetables, legumes, grapes, flowers, or other 2,4-D susceptible plants. Use coarse sprays to lessen drift. Do not make aerial applications near cotton or sensitive plants. Use separate spray equipment for insecticides and fungicides. Under high temperature and humidity conditions, vapors from this product will injure nearby susceptible plants.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or 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.

DIRECTIONS FOR USE

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

When mixing, loading, or applying this product or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical-resistant gloves, long-sleeved shirt, long pants, socks and shoes. For aerial applicators in enclosed cockpits and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required

NOTE TO THE EPA REVIEWER OF THIS LABEL:

Containers over 1 gallon and less than 5 gallon will bear the following statement at this location: "Persons engaged in open pouring of this product must also wear coveralls or a chemical resistant apron."

Containers of 5 gallons or more will bear the following statement at this location: "A mechanical system (probe and pump) must be used for transferring the contents of this container. If the contents of a non-refillable container are emptied, the probe must be rinsed before removal."

Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face and arms with soap and water before eating, smoking, or drinking. Wash hands and arms before using toilet. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous days mixing and loading or application of this product without cleaning first. Clothing saturated clothing as soon as possible and shower.

REENTRY 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. Do not enter treated areas without protective clothing for 48 hours after application.

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

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. The PRECAUTIONARY STATEMENTS should be read to workers as well as the instruction not to enter until sprays have dried. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: "DANGER: Area treated with 2,4-D on (date of application). Do not enter without appropriate protective clothing for 48 hours after application.

STORAGE AND DISPOSAL

STORAGE: Store in a secure area, in original container only, away from fertilizers, food, or feed. Do not store near insecticides or fungicides.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law and may contaminate groundwater. 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. Do not contaminate water, food, or feed by storage or disposal.

CONTAINER DISPOSAL: 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.

When stored at temperatures below freezing, it may be necessary to warm contents to 70 degrees Fahrenheit and mix thoroughly before using.

This product will control the listed plants and other 2,4-D susceptible species: Alligatorweed, tall and devil's beggarticks, blueweed (Texas), boxelder, broomweed, buckbrush, buckhorn plantain, burdock, Burhead, buttercup, carpetweed, catnip, chamise, chickweed, chicory, cocklebur, coffeeweed, common mullein, cornflower, coyotebrush, croton, curly indigo, dandelion, docks, dog fennel, common duckweed, elderberry, annual fleabane, fanweed, galinsoga, wild garlic, goatsbeard, goldenrod, halogaton, hemp, henbit, jewelweed, jimsonweed, lambsquarters, locoweed, mallow (Mexico), manzanita, marshelder, milkvetch, morning-glory (annual), nettles, onion (wild), Parrot feather, pennycress, pepperweed (field), redroot and smother, pigweed, plantain, poorjoe, poison ivy, pokeweed, prickly lettuce, puncturevine, common purslane, rabbitbrush, radish (wild), ragweed (common and giant), rape (wild), redstem, rush, sagebrush (costal, big, sand), salsify, sand shinnery oak, sheep sorrel, shepherdspurse, sicklepod, sneezeweed (bitter), sowthistle (annual), Spanishneedles, stinkweed, sumac, sunflower, sweetclover, tansymustard, tansy ragwort, tumbleweed, velvetleaf, Virginia creeper, waterprimrose, willow, wild sweet potato, witchweed, wormwood, yellow rocket, yellow starthistle.

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Partial control can be expected on the following less susceptible species: artichoke, bindweeds (hedge, field, and European), buckwheat (wild), creeping jenny, ground ivy, kochia, nutgrass, smartweed, thistle (bull, Canadian, musk and Russian). Deep-rooted perennials such as Canadian thistle and field bindweed and woody plants may require repeat applications.

Apply when weather is warm and plants are rapidly growing. Cold weather or dry conditions may cause poor results. DO NOT apply if rain is expected within 6 to 8 hours.

Consult your Extension Service or Agricultural Experiment Station for local use and crop tolerance situations.

This product may be applied as a water-based spray. Use coarse sprays to minimize drift. DO NOT apply where spray may come in contact with any desirable plants or susceptible crops other than those listed on this label.

DO NOT apply this product through any type of irrigation system.

When using ground equipment, keep boom or nozzles close to crop, apply 3 or more gallons of spray per acre using flooding or flat fan nozzles with 20 pounds or less of pressure. If wind exceeds 7 miles per hour, spraying should stop. DO NOT apply with hollow cone or any other mist producing nozzle.

When using aerial equipment, apply a minimum of 3 to 5 gallons of spray per acre at 20 pounds or less nozzle pressure using nozzles that produce a coarse spray pattern. Spray only when wind is blowing less than 5 miles per hour.

Apply the recommended amount of 2,4-D per acre regardless of the amount of diluent used.

Application by any means should take place only when there is no danger of spray drift. Do not apply near cotton, grapes, tomatoes, or other 2,4-D susceptible crops or vegetables. Do not apply when the wind is blowing toward these crops or plants.

MIXING INSTRUCTIONS:

WATER-BASED SPRAY: Fill the equipment half full of water, agitate while adding this product, then add rest of water.

CORN: Use the lower rate for small annual weeds. Use the higher rate for perennial or hard-to-kill weeds. To avoid injury, do not use with atrazine, oil, or other adjuvants.

Preemergence: Apply 2/3 to 1-1/3 quarts per acre 3 to 5 days after planting, but before corn emerges. DO NOT apply to sandy soils.

Emergence: Apply 2/3 quart per acre just as corn plants are breaking ground.

Postemergence: Apply 2/3 pint per acre after corn is up. If corn is over 8 inches tall, use drop nozzles to keep spray off foliage as much as possible. DO NOT apply from tasseling to dough stage. DO NOT apply to open whorls. High moisture and temperature conditions may cause injury or brittleness. DO NOT cultivate for a week to 10 days after treatment.

Late Season Weed Control (To reduce weeds that may interfere with harvest and to reduce weed seed production): Apply 2/3 to 1 1/3 pints per acre after silks are brown.

GRASS PASTURES: For broadleaf weeds, apply 1 to 2 pints per acre in sufficient water for good coverage. Deep-rooted perennial weeds may require the higher rate or repeated treatments. DO NOT apply after seed heads form or when grass is in boot to milk stage when a seed crop is desired. DO NOT use on alfalfa, clover, or other legumes or newly seeded pastures. DO NOT allow dairy animals to graze treated areas within 7 days of treatment. DO NOT slaughter meat animals within 3 days of treatment. A 30-day preharvest interval is required for grass cut for hay.

RICE:

Postemergence: Apply 1 to 1 2/3 pint per acre when rice is in late tiller, before boot to panicle stage. This is usually 4 to 8 weeks after emergence. Treat flooded rice 7 to 9 weeks after seeding when plants are above water and erect. DO NOT apply after seed stalks have emerged.

CONSERVATION RESERVE PROGRAMS AND SET-ASIDE ACRES: DO NOT use on alfalfa, clover, other legumes, or newly seeded pastures.

Broadleaf Weeds: Apply 1 to 2 pints per acre in sufficient water for good coverage. Deep-rooted perennial weeds may require a higher rate or repeated treatments.

Brush: Apply 2 to 4 pints in 5 to 10 gallons of water plus the labeled amount of a crop oil concentrate or other adjuvant per acre for Buckbrush, Rabbitbrush, Sagebrush, Coyotebrush and other Chaparral Species. Apply 4 pints in 4 gallons of water plus the proper amount of a crop oil concentrate or other adjuvant per acre for Sand Shinnery Oak.

For Set-Aside Acres: Once the Agricultural Stabilization & Conservation Service has released set-aside acres for grazing, do not allow dairy animals to forage or graze treated fields within 7 days after treatment. DO NOT harvest grass for hay within 30 days of application. Remove meat animals from pastures or rangeland 3 days before slaughter.

For Conservation Reserve Programs: Do not harvest or graze at any time.

NON-CROP AREAS: Drainage Ditchbanks, Fencerows, Roadsides, and Other Non-Crop Areas: Apply 1 pint per acre for broadleaf weeds or 2 pints per acre for woody plants in sufficient water for thorough coverage. Crop oils or other adjuvants may be added to increase effectiveness. Spray woody plants to run-off when fully leafed out and growing. Avoid spraying in slow growth periods such as mid-summer. Reseeding treated areas should be delayed until the following season. Deep-rooted perennials may require repeat treatments.

NOTICE OF WARRANTY: Buyer assumes all risk of use, storage, or handling of this product when not in strict accordance with directions given herewith.