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1145-84

CROP-MATE WATER WEED KILLER

Controls submersed water weeds and "mosses" in irrigation and drainage channels. For use only in Programs of Bureau of Reclamation, U.S. Department of Interior and Cooperating Water User Groups.

DANGER (18 FL.)
KEEP OUT OF REACH OF CHILDREN (12 FL.)
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

This product is a highly aromatic emulsifiable petroleum solvent weed killer for use in irrigation and drainage channels. It effectively controls a variety of submersed aquatic weeds including "water mosses" such as Pond Scum (Filamentous Algae) and submersed aquatic weeds (American Pondweed, Horned Pondweed or Horsetail Moss, Horned Pondweed, Leaf Pondweed, Richardson's Pondweed, Curlyleaf Pondweed, Common Water Weed or Elodea, and Water Stargrass). Do not allow treated water to enter any domestic water system.

ACTIVE INGREDIENTS

.....	29.0%
INERT INGREDIENTS	71.0%
TOTAL	100.0%

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS

DANGER

Harmful or Fatal if Swallowed
Vapor Harmful

ACCEPTED
FEB 10 1986
EPA REG. NO. 1145-84

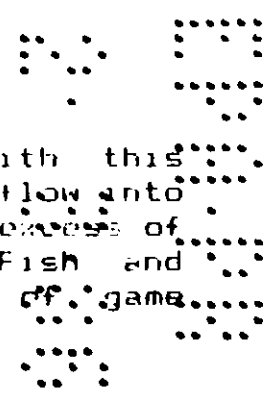
May produce toxic symptoms if used with inadequate ventilation. Avoid prolonged breathing of vapor or spray mist. Avoid contact with skin. In case of spillage on skin, wash with soap and water. If swallowed, do not induce vomiting. Call a physician immediately. In case of eye contact, immediately flush with plenty of water. See a physician if irritation persists. Do not use treated water for domestic or livestock purposes.

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE: Keep away from heat and open flame. Do not use smoking materials. Keep container closed when not in use. Do not store in direct sunlight.

ENVIRONMENTAL HAZARDS

Fish and other aquatic organism in water treated with this product will be killed. Do not allow treated water to flow into receiving rivers and streams if xylene residues are in excess of ten (10) parts per million (ppm). Consult your local Fish and Game authorities before using in any water where loss of fish or other aquatic organisms may occur.



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Crop plants, especially those submerged, may be injured by treated water; for this reason it is suggested that treated water be wasted and not used for irrigation.

DIRECTIONS FOR USE

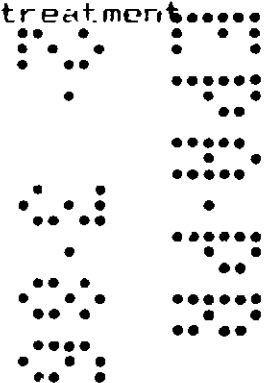
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

USE PRECAUTIONS: This product is corrosive to natural rubber--Use neoprene hoses as well as pumps with neoprene or other solvent resistant gaskets, cups, and seals.

For timing and specific dosage recommendations consult your Extension Service Weed Specialist or Agricultural Experiment Station. Obtain necessary approval and/or permits for use in States or areas where required.

The following directions are general and have been found adequate for the use of this product under most conditions. Due to varying conditions, each channel must be considered individually as far as removing "mosses" and submerged aquatic weeds is concerned. Those users experienced in the application of aromatic solvent weed killers will follow the procedures they have found most desirable under their own conditions, when using this product.

Application is usually made when weed growth first appears to interfere with water flow and delivery, but before the weeds reach the water surface. Prior to application, normal water carrying capacity of the channel may be reduced 30 to 40 percent, but sufficient water should be left to cover the weeds. Best results are obtained when water is flowing at 1/2 to 1 1/4 feet per second. Results are usually better at water temperatures of 70 degrees F. or above, however satisfactory results have been obtained at lower water temperatures. More than one treatment may be necessary in regions with long growing seasons.



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Method of Application - This product may be applied with any power sprayer, equipped with neoprene or other oil resistant seals, cups, and hoses, capable of delivering the necessary volume of chemical in the time specified and at adequate pressure (50 to 400 pounds per square inch). Higher pressure gives better dispersion of chemical in the water. For smaller laterals, a hand boom with one or two nozzles is sufficient; however for larger canals and laterals a section of boom from an ordinary weed sprayer may be used to get even distribution of the chemical over the cross-section of the channel. Nozzles which deliver either fan or cone-shaped spray should be used. The boom is connected to the pump with a hose. Lower the boom section below the surface of the water so the nozzles are directed against the current without hitting the bottom, weeds, or other obstacles. This product may be satisfactorily introduced into systems when large centrifugal pump units with double suction lines are used. In such systems, the main suction line draws water from the channel. A smaller suction line is placed in a drum or measured tank of the product. Thus, both chemical and water are drawn into the bell jar of the pump, thoroughly mixed, and discharged into the channel under pressure through a fire hose. Detailed instructions for the construction and use of this type of pump unit are given in U.S. Department of Agricultural, Agricultural Research Service, Field Crops Research Branch Publication-ARS-31-1. Results are improved if applications are made just above drops, weirs, or places where water is turbulent.

Rate of Application - This product is ready-to-use as it comes from the drum at the rate of 10.0 gallons per c.f.s.* introduced into the channel during a period of 30 to 60 minutes. (Equivalent to a concentration of 740 to 370 parts per million.) The shorter introduction period is best for channels with slow water velocities whereas the longer period is advisable for more rapidly moving water.

The distance weed control may be obtained downstream from the point of introduction will depend upon the width and depth of the channel and the density of weed growth. In channels that are wide, shallow, and moderate to heavily infested with weeds, satisfactory weed control may extend 1 1/2 to 2 miles downstream from the point of introduction; whereas weed control in narrow, deep channels with moderate weed growth may extend 2 1/2 to 4 miles below the point where this product was introduced. Repeat introductions may be required on longer channels.

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Control may be unsatisfactory when dense masses of relatively mature weeds, cold water temperatures, or excessive silt in water is encountered and increased dosage rates may be required. In such instances, consult your Extension Service Weed Specialist or Agricultural Experiment Station.



• 0.15-cubic foot per second, which is a stream of water one foot wide and one foot deep flowing at the rate of one foot per second.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Not for use or storage in or around the home. Store in a safe manner. Store in original container only. Store in a cool, dry place. Keep in shade if stored outdoors. Keep container tightly closed when not in use. Do not store under conditions which might adversely affect the container or its ability to function properly.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or reinstatement 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 other procedures approved by state and local authorities.



NON-WARRANTY NOTICE

Follow directions carefully. Seller warrants such directions to be proper and that product conforms to the descriptions on this label. Timing and method of application, weather and crop conditions, and other influencing factors in the use of the product are beyond the control of the Seller, so Seller makes no other warranty, express or implied (including warranty of merchantability), with reference to the results or effects of use. No person has authority to make any representation not contained on this label.

Formulated for
THE CROPMATE COMPANY
P.O. Box 1286
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