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48211-23

APR 9 1981

Mr. Hal D. Gutsch
Intercon Chemical Company
3647 Bell Avenue
St. Louis, MO 63108

Dear Mr. Gutsch:

Subject: Diquat Registration Standard
Revised Labeling/Alternate Formula
Vegat-Ox D
EPA Registration No. 48211-23
Your Submission Dated March 26, 1987

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided you:

1. Make the changes below before releasing the product for shipment bearing amended labeling.
 - a. Delete the Gals/Surface Area column in the water treatment table. These figures conflict with rates in the dilution chart. Also delete 2 1/2 ppm rate in the water treatment table. The maximum application rate for aquatic sites is 1 1/2 ppm (4 lb cation/surface acre-foot).
 - b. Under Environmental Hazards, add the statement "(Refer to Aquatic use directions for additional precautions)."
 - c. Under Storage and Disposal, delete "under the Resource Conservation and Recovery Act."
 - d. Under Uses No. 4., delete ditches. "Drainage ditch" is the only approved "ditch" site for diquat.
 - e. Under "Directions for Use in Noncrop Areas," delete the reference to avoiding spray contact with ornamental gardens since this is an approved application site.

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CONCURRENCES

SYMBOL	ORIGINATOR						
SURNAME							
DATE							

2. Submit one (1) copy of final printed labeling incorporating the changes above.

A stamped copy of labeling is enclosed for your records.

The alternate formula, dated March 18, 1987, is not acceptable pending evaluation of the inert ingredient. Have your supplier submit a statement of composition to this office, referencing your EPA Registration Number. A complete listing of components, with percentages of each ingredient in the formulation, must be provided.

Sincerely yours,

Richard F. Mountford *RFM*
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (TS-767C)

Enclosure

Do NOT water treat areas for 24 to 30 hours after application.

AQUATIC DIRECTIONS FOR USE

AQUATIC WEEDS (Infesting Still Ponds, Lakes, Ditches, Laterals, Canals).

Water Treatments	Gals./Surface Acre	PPM**
Algae (Spirogyra and Pithophora spp.)	—	1/2 to 1 1/2
Bladderwort (Utricularia spp.)	20 to 40 gal.	1/4 to 1/2
Coontail (Ceratophyllum demersum)	—	1 1/2 to 2 1/2
Elodea (Elodea spp.)	—	1 1/2 to 2 1/2
Najad (Najas spp.)	20 gal.	1/4
*Pondweed (Potamogeton spp.)	40 gal.	1/2
Watermilfoil (Myriophyllum spp.)	20 to 40 gal.	1/4 to 1/2

** This product cation by weight. (See dilution chart).

WATER TREATMENTS: Make application from a boat or other suitable craft either by injecting this product below the water surface, or by pouring it directly from the container into the water while moving slowly over the water surface. * Repeat application may be necessary under conditions of heavy infestations or where reinfestation may readily occur from seed fragmentation or escapes.

Treatment of aquatic weeds and algae can result in oxygen loss from decomposition of dead vegetation. This loss can cause fish suffocation. Therefore, to minimize this hazard treat 1/2 to 1/4 of the water area in a single operation and wait at least 14 days between treatments. Begin treatment along the shore and proceed outwards in bands to allow fish to move into untreated areas. Consult your State Fish and Game Agency before applying this product to public waters. (DO NOT apply to muddy water.)

DILUTION CHART

Depth of Water (Feet)	Gallons to Use per Acre at Indicated PPM Cation (By Wt.)			Foliage Spray Treatments	Amount/Acre
	1/4 ppm	1/2 ppm	3/4 ppm		
1	7 gal.	14 gal.	21 gal.	Salmis (Salvinia rotundifolia)	10 to 15 gal.
2	14 gal.	28 gal.	42 gal.	Water hyacinth (Eichornia crassipes)	10 to 15 gal.
3	21 gal.	42 gal.	63 gal.	Waterlettuce (Pistia stratiotes)	10 to 15 gal.
4	28 gal.	56 gal.	84 gal.		
5	35 gal.	70 gal.	105 gal.		

FOLIAGE SPRAY TREATMENTS should be applied in sufficient water (150-200 gals. per acre) to thoroughly wet foliage. As the season progresses and vegetation increases in mass, the higher dosages indicated should be used and more uniform distribution is necessary. Local conditions may affect the use of this chemical. Consult Agricultural Experiment Station or Extension Service Weed Specialist for specific recommendations to dosage and time of application and for control of other weeds. Check with State authorities for necessary permits.

WARRANTY

NOTE: Seller makes no warranty expressed or implied concerning the use of this product other than indicated on the label. Buyer assumes ALL risk of use and/or handling of this material when use and/or handling is contrary to label instruction.

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221B

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