PM: [illegible] Reg 10163-160 1049

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

NOTICE OF PESTICIDE: ☒ REGISTRATION ☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)

EPA REGISTRATION NO.	DATE OF ISSUANCE
10163-160	NOV 28 1990

TERM OF ISSUANCE

NAME OF PESTICIDE PRODUCT
Gowan Diazinon 4

NAME AND ADDRESS OF REGISTRANT *(Include ZIP code)*

Gowan Company
P.O. Box 5569
Yuma, AZ 85364

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

[illegible]

☒ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL	DATE
[illegible]	11/28/90

EPA Form 8570-6 (Rev. 5-75) PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

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d. As specified in the Dimethoate Registration Standard dated March 1983, the following statement must appear on your label:

> AUTOMATIC FLAGGING DEVICES SHOULD BE USED WHENEVER FEASIBLE.
>
> IF HUMAN FLAGGERS ARE EMPLOYED THEY MUST WEAR THE PROTECTIVE CLOTHING AND RESPIRATOR SPECIFIED ON THIS LABEL.

e. Under the use on field corn, revise the pollen-shed restriction to read as follows in order to bring it into compliance with the Dimethoate Registration Standard:

> Do not apply to corn during the pollen-shed period.

f. Add the following restrictions to the uses on celery and alfalfa in order to be consistent with the current registered use of dimethoate on these crops.

> Celery - Limit the use to Florida.
> Alfalfa - Limit the use to one application per cutting.

g. Revise the statements under the "Reentry Statement" heading to specify a 4-day reentry interval for citrus and grapes.

3. Submit the 1-year storage stability data within 15 months from the date of this Registration Notice.

4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Marilyn A. Mautz
Acting Product Manager (16)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosures

160

rev. 8/30/90

Gowan Dimethoate 4

Active Ingredient
Dimethoate--(0,0-dimethyl S-[(methylcarbamoyl) methyl] phosphorodithioate. 47.8%
Inert Ingredients. 52.2%

Total. 100.0%

KEEP OUT OF REACH OF CHILDREN
WARNING--AVISO

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

Statement of Practical Treatment

If swallowed, do not induce vomiting. Call a Poison Control Center immediately. Get medical attention.
If inhaled, Remove victim to fresh air. Apply artificial respiration if necessary.
If on skin, Wash skin with soap and water and rinse thoroughly.
If in eyes, flush eyes with plenty of water. Seek medical attention.
Note to physician: Atropine is antidotal if symptoms of cholinesterase inhibition are present. (2-PAM:PROTOPAM chloride) may be effective as an adjunct to atropine. Use according to label directions.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
Warning

Harmful or fatal if swallowed. Vapor harmful--concentrated material. Avoid breathing vapor or spray mist. Use only with adequate ventilation. Avoid contact with eyes as this product causes eye irritation. Avoid contact wit' skin and eyes. Wash thoroughly after handling. Keep container lid closed. Do not contaminate food or feed products.

Required Clothing and Equipment for Application
All applicators, including flaggers and all personnel associated with the mixing, loading, and transferring operations must wear the protective clothing and equipment enumerated below. Pilots are exempt from this requirement. The protective clothing and equipment to be worn are as follows:

a. Impermeable gloves (for example--rubber or plastic covered reinforced gloves.)
b. Face Shield, goggles, or safety glasses with side sheilds.
c. Boots or boot covers.
d. Long-sleeved shirt and long pants.
e. Wide-brimmed hat.
f. Respirators must be worn by flaggers and mixers/loaders.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

NOV 28 1990

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No 10163-160

Environmental Hazards

This pesticide is toxic to wildlife and aquatic invertebrates. Do not apply directly to water or wetlands. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes.
This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area. Protective information may be obtained from your Agricultural Extension Service.

Physical and Chemical Hazards

Combustible liquid and vapor. Do not use, pour, spill, or store near heat or open flame.

GOWAN COMPANY

EPA Reg. No. 10163-
EPA Est. No 10163-AZ-1

P.O. Box 5569
Yuma, AZ 85366

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 enter treated areas without appropriate protective clothing until sprays have dried. 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 apply this product in such a manner as to directly or through drift expose workers or other persons. The areas being treated must be vacated by unprotected persons.

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. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers.

Written or oral warnings must include the following information: Warning--Area treated with Dimethoate on (date of application). Do not enter treated area without appropriate clothing until sprays have dried. In case of accidental exposure, follow instructions under "Statement of Practical Treatment" section.

Storage and Disposal

DO NOT contaminate water, food, or feed by storage or disposal.

STORAGE: Store in original container. DO NOT STORE BELOW 45°F.

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 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: Plastic--Triple rinse and then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by burning if allowed by state and local authorities. If burned, stay out of smoke. Metal--Triple rinse and then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedure approved by state and local authorities.

Directions for Application

This product is intended for use in conventional hydraulic sprayers, ground applicators, or aerial sprayers. Do not apply when weather conditions favor drift of spray from treated areas. Repeat applications unless otherwise noted. Consult your state experiment station or state extension service for proper timing of application.

Dimethoate 4 is formulated for application in water suspensions. It is compatible with most insecticides, fungicides, and miticides. It should not be used, however, with alkaline materials such as Bordeaux mixture and lime. If compatability is questionable, test a small scale sample before combining products in the mix tank. In a pint or quart jar, mix products and water proportionate to the intended tank mix.

Dilution Directions

The rate required for thorough, uniform coverage varies with plant growth at time of application. The following rates are therefore intended to cover a broad range of conditions.

Dilute Applications: Field and Vegetable Crops: Apply specified rate in 20 to 75 gallons of water per acre. Fruits and Nuts: Apply specified rate in 100 to 800 gallons of water per acre. For citrus, use up to 2,000 gallons of water per acre.

Concentrate Applications: Field and Vegetable Crops: Apply specified rate in not less than 5 gallons of water per acre. Fruits and Nuts: Apply specified rate in 20 to 100 gallons of water per acre. These applications require special concentrate equipment.

Air Application: Field and Vegetable Crops: Apply specified rate in a minimum of 1 gallon of water per acre. Fruits and Nuts: Apply specified rate in a minimum of 5 gallons of water per acre.

Chemigation Statement

Refer to supplemental labeling entitles "APPLICATION THROUGH IRRIGATION SYSTEMS--CHEMIGATION" for use directions for chemigation. Do not apply this product through any irrigation systems unless the supplemental labeling on chemigation is followed.

Compatibility

Gowan Dimethoate 4 is compatible in spray tank mixes with most insecticides, miticides, and fungicides, provided they are not alkaline in reaction. Gowan Dimethoate 4 can be mixed with carbaryl, diazinon, pyrethroids, methyl azinphos, malathion, parathion, dicofol, dodine, captan, zineb, and thiram. Because uniform dispersibility and sprayability may be influenced by pesticide combinations used, it is recommended that compatability be determined before adding pesticides to the spray tank. The addition of a nonionic general purpose spreader-activator will usually eliminate any incompatibility noted.

Notice on Conditions of Sale

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

CROP USE DIRECTIONS

CAUTION: DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS

The interval between last application and harvest is given in ( ) following the crop name.

Field Crops

Alfalfa: (10) Aphids, grasshoppers, leafhoppers, plant bugs including Lygus, reduction of alfalfa weevil larvae; use 1/2 to 1 pt. per acre. Do not apply to alfalfa in the bloom period. Do not graze livestock in the treated crops, hay, threshings, or stubble within 10 days of application. Effective only on cutting to which applied.
Alfalfa (seed crop only): Aphids, grasshoppers, leafhoppers, Lygus bugs, reduction of alfalfa weevil larvae; Use 1/2 to 1 pint per acre. Do not apply if the crop or weeds in the treatment area are in bloom. Do not feed livestock in treated crops, hay, threshings, or stubble within 10 days of application.

Field Corn: (14) Banks grass mites (excluding Trans-Pecos area of Texas), aphids, bean beetle, corn rootworm adult; Use 2/3 to 1 pt. per acre. Grasshoppers; Use 1 pt. per acre. Do not apply to corn during the pollen-shed period if bees are actively foraging in the treated area. Apply as necessary but make no more than three applications per year. Do not feed or graze within 14 days of last application.

Cotton: **Arizona and California:** (14) Leafhoppers, fleahoppers, plant bugs including Lygus; 1/2 to 1 pt. per acre. Repeat applications should not be made at intervals closer than 14 days. Make only 2 applications per season at the higher rate. Do not feed treated forage or graze livestock on treated fields.
Other than Arizona and California: (14 if water is used for dilution, 40 if once refined vegetable oil is used for dilution) Aphids, mites, thrips, fleahoppers; Use 1/4 to 1/2 pt. per acre. Plant bugs including Lygus; Use 1/2 pt. per acre. If water is used for dilution, repeat applications should not be made at intervals closer than 14 days. Do not feed treated forage or graze livestock on treated fields. If once-refined vegetable oil is used for dilution, repeat applications should not be made at intervals closer then 40 days. Make only 2 applications per season at the higher rate. Apply at least one quart of finished spray per acre. Do not feed treated forage or graze livestock on treated fields.

Safflower: **Arizona and California:** (14) Aphids, leafhoppers, plant bugs including Lygus, thrips; Use 1/2 to 1 pt. per acre. Repeat applications should not be made at intervals closer than 14 days. Make only two applications per season at the higher rate.

Sorghum (milo): Aphids; Use 1/2 to 1 pt. per acre. Banks grass mites (excluding Trans-Pecos area of Texas), grasshoppers, spider mites; Use 1 pt. per acre. Sorghum midge; Use 1/4 to 1/2 pt. per acre. Do not apply after heading. Do not feed or graze within 28 days of last application. Do not make more than 3 applications per season.

Soybeans: (21) Mexican bean beetle, spider mites, bean leaf beetle, leafhoppers, three-cornered alfalfa hopper (not registered in California), grasshoppers; Use 1 pt. per acre. Do not feed or graze within 5 days of last application.

Wheat: (60) Aphids; Use 1/2 to 3/4 pt. per acre. Brown Wheat Mite; Use 1/3 to 1/2 pt. per acre. Grasshoppers; Use 3/4 pt. per acre. Do not apply within 14 days of grazing immature plant. Do not make more than 2 applications per season.

CAUTION; DO NOT USE ON SEED ONIONS, SEED CARROTS, OR SEED BERMUDA GRASS.

Vegetable Crops

Beans (green, lima, snap, dry): (0) Aphids, grasshoppers, leafhoppers, leaf miners, Lygus bugs, mites, bean leaf beetle, Mexican bean beetle; Use 1/2 to 1 pt. per acre. Do not apply if the crop or weeds in the treatment area are in bloom. Do not feed treated vines to livestock.

Broccoli/Cauliflower: (7) Aphids; Use 1/2 to 1 pt. per acre.

Cabbage: (3) Aphids; Use 1/2 to 1 pt. per acre.

Celery: (7) Leaf miners; Use 1 pt. per acre.

Head Lettuce: (7) Aphids, Leafhoppers, Leaf miners; Use 1/2 pt. per acre.

Leaf Lettuce, Spinach, Collards, Kale, Turnips (greens and roots), Mustard Greens, Swiss Chard, Endive (Escarole): (14) Aphids, leafhoppers, leaf miners; Use 1/2 pt. per acre.

Melons (except Watermelons): (3) Aphids, Leafhoppers, Leaf miners, Thrips; Use 1 pt. per acre.

Watermelons: (3) Aphids, leafhoppers, leaf miners; Use 1/2 to 1 pt. per acre.

Peas: (0) Aphids; Use 1/3 pt. per acre. Do not feed or graze hay within 21 days after last application. Do not make more than one application per growing season. Do not apply if the crop or weeds in the treatment area are in bloom.

Peppers: (0) Aphids, lead miners, maggots; Use 1/2 to 2/3 pt. per acre.

Potatoes: (0) Aphids, Grasshoppers, Leaf miners, Leafhoppers; Use 1/2 to 1 pt. per acre.

Tomatoes: (7) Aphids, leaf miners, leafhoppers; Use 1/2 to 1 pt. per acre.

Fruit and Nut Trees

Apples: (28) Apple maggot, codling moth (Midwest and eastern states only); Use 3-4 pts. per acre. Do not apply during the bloom period. Apply at petal-fall and every 10-14 days thereafter until control is achieved. Do not graze livestock in treated orchards. Under heavy infestations, some sting injury may occur.

Apples, Pears: (28) Aphids, leafhoppers, mites (except Rust Mites); Use 1 1/2 to 3 pts. per acre. Do not apply during the bloom period. Do not graze livestock in treated orchards.

Grapefruit, Lemons, Oranges, Tangerines: (see text below for harvest intervals.) Aphids; Use 1 to 2 qts. per acre in 15-20 gal water. Apply as an outside coverage spray. The interval between last application and harvest is 15 days. Mites (except rust mites); Use 1 to 2 qts. per acre as a thorough distribution coverage spray. The interval between last application and harvest is 15 days. Scales (except black or snow); Use 1 to 1 1/2 pts. per 100 gal or equivalent amount in concentrated spray. Apply as a thorough coverage spray. The interval between last application and harvest is 45 days. Thrips: Use 1-2 qts. per acre in 5-10 gal water applied as a mist spray. The interval between last application and harvest is 15 days. Whiteflies: Use 3-4 pts. per acre applied as a thorough distribution coverage spray. The interval between last application and harvest is 15 days. Do not apply during bloom period. Do not use on citrus seedlings. Make no more than 2 applications to mature fruit. Do not enter treated groves within 4 days of last application. Do not graze livestock in treated orchards.

Citrus Trees (Nonbearing and Nursery Stock): Consult your state agricultural experimental station or state agricultural extension service for proper timing of applications. Do not graze livestock in treated orchards.....
Citrus (Arizona and California)(Non-bearing and nursery stock): Aphids, Thrips; Use 3-4 pts per acre for foliar spray. Repeat applications as necessary. May be applied in the year grapefruit, lemon, orange, and tangerine trees begin to bear fruit. Do not enter treated groves within 4 days of last application. Do not graze livestock in treated groves. For Soil Drench (1-3 year old trees), Use 2 qts. per acre applied in the furrow or basin around the base of the tree. Apply when insect injury to new growth appears. Do not apply to trees that will bear fruit within one year. Do not graze livestock in treated groves.

Pecans: (21) Aphids, Mites, Leafhoppers; Use 2/3 pt. per acre. Do not graze livestock in treated groves.