EPA Reg. Number:

66222-28 Term of Issuance:

Unconditional Name of Pesticide Product:

GALIGAN® 2E

Date of Issuance:

8 JAN 2008



Office of Pesticide Programs Registration Division (7505P) 1200 Pennsylvania Ave., N.W.

Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration Reregistration

Name and Address of Registrant (include ZIP Code):

Mr. Ephi Gur Makhteshim-Agan of North America, Inc.

4515 Falls of Neuse Road, Suit 300 Raleigh, NC 27609

Note: Changes in labeling 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 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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the 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.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you agree in writing to:

- 1. To revise the label as follows:
 - a. In the First Aid box, move the comments "IF IN EYES:, etc" to the top of the box.
- b. In the First Aid box, under "IF SWALLOWED", remove "Have person sip a glass of water if able to swallow", and replace with "Do not give any liquid to the person."

oignature	O1	Appro	virig	Official.

Erik Kraft, Acting Product Manager (23)

Herbicide Branch, Registration Division (7505P)

1-8-08

EPA Form 8570-6

- c. Under "PERSONAL PROTECTIVE EQUIPMENT (PPE)", and under the sub-heading, "All other mixers, loaders, applicators, and other handlers must wear:", add the bullet "• Goggles, face shield, or safety glasses"
- d. Under the "PRECAUTIONARY STATEMENTS", and after the paragraph with the subheading "ENVIRONMENTAL HAZARDS", add the subheading "PHYSICAL OR CHEMICAL HAZARDS" and the sentence, "Flammable. Keep away from heat and open flame."
- e. Change "CROP USE RECOMMENDATIONS" to "CROP USE DIRECTIONS".
- f. Under the use directions for CACAO, change the second bullet from "Do not apply GALIGAN 2E herbicide within one (1) day of harvest.", to "Do not apply GALIGAN 2E herbicide within one (1) day before harvest."
- g. Under the use directions for CITRUS (NONBEARING), remove "BUT NOT LIMITED TO" after "INCLUDING".
- h. Under the "COFFEE SPECIFIC USE RESTRICTIONS", change the fifth bullet from "Do not apply more than 8 pints (2.0 lbs. active) per broadcast acre, etc." to "For postemergence to weeds and dormant transplants, do not apply more than 8 pints (2.0 lbs. active) per, etc." Also as a separate bullet before the restriction beginning with "Do not apply more than 8 pints, etc." add the restriction, "For pretransplant application, do not apply more then 4 pints (2 lbs. active) per broadcast acre of GALIGAN 2E herbicide in a single application.", and change the restriction from "Do not apply more than 8 pints (2.0 lbs. active) per broadcast acre of GALIGAN 2E herbicide in a single application or 24 pints (6.0 lbs. active) per broadcast acre per year.", to "For other uses besides a pre-transplant application, do not apply more than 8 pints (2.0 lbs. active) per broadcast acre of GALIGAN 2E herbicide in a single application, or 24 pints (6.0 lbs. active) per broadcast acre per year for all applications."
- i. Under the section with the heading "SELECTED FIELD-GROWN DECIDUOUS TREES", in the paragraph about the dosage table, first sentence, change "..for dosage recommendations." to "..for dosage rates." Also in the dosage table, the third column labeled "FIUID OUNCES (milliliters) OF GALIGAN 2E IN ONE GALLEON OF SPRAY, etc", correct "1.2 and (35)" to "0.9 and (27)"; in the last column labeled "FLUID OUNCES (milliliters) OF GALIGAN 2E IN ONE QUART OF SPRAY, etc.", correct "0.3 and (9)" to "0.22 and (7)".
- j. Change the section heading "CORN" to "FIELD CORN GRAIN", and change the subheading "FOR USE ONLY AS DIRECTED SPRAY ON FIELD CORN IN CONJUNCTION, etc." to "FOR USE ONLY AS DIRECTED SPRAY ON FIELD CORN GROWN FOR GRAIN IN CONJUNCTION, etc.".
- k. Under the "CORN SPECIFIC USE RESTRICTIONS" change the bullet "Do not apply any application within 60 days of harvest." To "Do not apply any application within 60 days before harvest."
- I. Under "COTTON SOUTHERN AND WESTERN SPECIFIC USE RESTRICTIONS", add the restriction, "Application after initiation of bloom is prohibited."
- m. In the "FALLOW BED SECTION", and in the table with the heading "TRANSPLANTED

CROPS", remove the crops CELERY, PEPPER, STRAWBERRIES, and TOMATO, and change ONION to ONIONS, (DRY BULBS ONLY).

- n. Under "FALLOW LAND", "FALLOW LAND SPECIFIC USE RESTRICTIONS", add the bullet, "Do not exceed 2 pints (0.05 lb active) of GALIGAN 2E per summer fallow."
- o. Under "GARBANZO BEANS", "GARBANZO BEANS SPECIFIC USE RESTRICTIONS", add "Use only preemergence to garbanzo beans" as the first bullet.
- p. In the paragraph under "TRANSPLANTED GARLIC", change the third sentence from "If less than 21/2 pints per acre, etc." to "If less than 2 pints per acre, etc."
- q. Under "HORSERADISH", "HORSERADISH SPECIFIC USE RESTRICTIONS", change "Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per broadcast acre as a single application." to "Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per broadcast acre as a single application, and do not exceed 6 pints (1.5 lbs. active) per broadcast acre per crop season."
- r. Under "MINT (SPEARMINT AND PEPPERMINT) (FOR USE IN CALIFORNIA, IDAHO, MONTANA, NEVADA, OREGON, SOUTH DAKOTA, UTAH AND WASHINGTON) SPECIFIC USE RESTRICTIONS", add "The use of any treated plants for feed or forage, and the feeding or grazing of any treated area is prohibited."
- s. Under "MINT (SPEARMINT, PEPPERMINT) (FOR USE ON MINT GROWN ON MUCK SOILS ONLY IN INDIANA, MICHIGAN, MONTANA, NORTH DAKOTA, SOUTH DAKOTA, WISCONSIN) SPECIFIC USE RESTRICTIONS), change first bullet from ".... on muck soils (muck soils should have an organic matter of 20% or greater).", to ".... on muck soils containing 20% or greater organic matter."
- t. Change the major heading "ONIONS" to "DRY BULB ONIONS". Under "ONIONS SPECIFIC USE RESTRICTIONS". Change all headings using "ONIONS" to "DRY BULB ONIONS". Under the paragraph with the heading "TRANSPLANTED ONIONS POST-TRANSPLANT:", change the forth sentence starting with "Sprinkler Chemigation:, etc." to "Sprinkler Chemigation is limited to California, Oregon and Washington. For application using sprinkler irrigation (solid set, portable lateral, center pivot, continuous lateral move, side (wheel roll) systems, apply up to 1 pint (0.25 lb. active) in California and Oregon, and up to 2 pints (0.5 lb. active) in Washington of Galigan 2E per acre as described in this section." Under present heading labeled "ONIONS SPECIFIC USE RESTRICTIONS", change "Do not apply withing 45 days of harvest.", to "Do not apply within 45 days before harvest, except for chemigation/sprinkler irrigation in California. Do not harvest for 60 days after chemigation/sprinkler irrigation in California."
- u. Under "SOYBEANS", then under "POST-DIRECTED SPRAY GALIGAN 2E HERBICIDE USED ALONE DOSAGE", change "GALIGAN 2E herbicide is recommended as a post-directed application, etc.", to "Apply GALIGAN 2E herbicide as a post-directed application, etc." Under "SOYBEANS SPECIFIC USE RESTRICTIONS", change the third restriction to "Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per acre during one growing season as a result of preemergence application in no-till (double crop) or conventional till soybeans. Do not apply more then 1 pint (0.25 lb. active) of GALIGAN 2E as a postemergence application. If early preplant application is made, do not apply more than 3 pints (0.75 lb. active) of GALIGAN 2E herbicide per acre during one growing season." Add the restriction, "Do not

make more then one postemergence application to soybeans."



- v. Under "TARO SPECIFIC USE RESTRICTIONS", change the fourth bullet to "Do not apply GALIGAN 2E herbicide within 6 months before harvest of taro (corms, leaves).
- w. In the section for "TREE FRUITS, NUTS, VINES", under "GALIGAN 2E HERBICIDE USED ALONE GEOGRAPHIC USE DIRECTIONS ARIZONA AND CALIFORNIA DOSAGE" change "GALIGAN 2E heribicide is recommended for postemergence control at 2 to 6 pints (0.5 to 1.5 lbs. active) per broadcast acre." to "Apply GALIGAN 2E heribicide is recommended for postemergence control at 2 to 6 pints (0.5 to 1.5 lbs. active) per broadcast acre." Make the same change under "ALL OTHER STATES (EXCEPT CALIFORNIA AND ARIZONA) DOSAGE" directions. Under "TREE FRUITS, NUTS, VINES DORMANT APPLICATION SPECIFIC USE RESTRICTIONS", change the last bullet to "Direct spray toward the base of trees or vines. In California, Galigan 2E may be applied as an over-the-top application to dormant, nonbearing grape plantings. Otherwise, avoid direct plant contact. Use of a low-pressure sprayer is suggested." Also add the following two restrictions, "Use of any treated plants for feed, or forage, or grazing any treated areas is prohibited" and "Application to trees or vines after buds start to swell or when foliage or fruit are present is prohibited".
- x. Change the section labeled "GRAPES (CALIFORNIA ONLY)" to "GRAPES GROWN FOR WINE OR RAISINS ONLY (CALIFORNIA ONLY)". Change the sub-section heading "GRAPES (WASHINGTON ONLY)" above the heading "WINE AND PROCESSING ONLY SPECIFIC USE RESTRICTIONS", to "GRAPES (WASHINGTON AND OREGON ONLY)", Under the "SPECIFIC USE RESTRICTIONS", change the second bullet "Galigan 2E should be applied only by ground application equipment.", to "Apply Galigan 2E only by ground application equipment."
- y. After the paragraph with the heading "ROTATION CROP RESTRICTIONS", move the paragraph starting with "IMPORTANT: TREATED SOIL MUST BE THOROUGHLY INCORPORATED, etc." to the front of the label after the paragraph with the heading "CULTURAL CONSIDERATIONS". For the remaining language, take everything starting with the sentence "SPECIFIC USE RESTRICTIONS FOR INDIVIDUAL CROPS ARE FOUND UNDER DIRECTIONS FOR USE IN EACH CROP GROUP SECTION." to the end of the "STORAGE AND DISPOSAL" box, and move it to the front of the label after "CULTURAL CONSIDERATIONS" and the relocated paragraph starting with "IMPORTANT: TREATED SOIL MUST BE THOROUGHLY INCORPORATED, etc.", just above the paragraph starting with "MIXED DIRECTIONS". With the relocation of the "GENERAL USE RESTRICTIONS", either delete the sentence "In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label." from all the crop "SPECIFIC USE RESTRICTIONS", or rewrite the sentence directing the reader to the relocated "GENERAL USE RESTRICTIONS".
- Z. Under the "WARRANTY STATEMENT", add "To the extent permitted by law" to the fourth sentence starting with "All such risks, etc.", and to the beginning of the last sentence starting with "The exclusive remedy of any buyer, etc."

The above label changes are effective with the receipt of this letter.

Your Section 24c's, OR010028 and WA030012 are also reregistered. Your Section 24c, OR010027, has been incorporated into the main label, and should be canceled as unnecessary.

The Section 24c uses on "corn", issued under AR010008 and MS010039 are not supported by the appropriate tolerances for field corn forage, stover, and sweet corn (K+CWHR), and are not reregistered. On p. 42 of the RED, it is specifically stated, "Tolerances for field corn fodder and forage are not warranted because oxyfluorfen's registered use on field corn is limited to the states of NC and SC in conjunction with a USDA program to eradicate "witchweed" (Striga asiatica)". Cancellation requests for these two Section 24c's are appropriate. The Section 24c labels for OR030034, WA010034, and WA010037 state expiration dates of 12/31/2007, 12/31/2006, and 12/31/2006, respectively, and therefore are canceled.

Submit one (1) copy of final printed labeling incorporating the above changes before you release the product for shipment. Amended labeling will supercede all previously accepted ones. A stamped copy of labeling is enclosed for your records.

For any assistance with this matter, please contact Phil Errico at 703-305-6663, or email at Errico.Philip@epa.gov.

Regards,

Erik Kraft, Acting PM-23 Herbicide Branch/RD 7505P

GALIGAN® 2E OXYFLUORFEN HERBICIDE

ACTIVE INGREDIENT

Oxyfluorfen: 2-chloro-1- (3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl) benzene*

22.2%
INERT INGREDIENTS:

77.8%

TOTAL 100.0%

Contains petroleum distillate.
*Equivalent to 2 lbs. active ingredient per gallon.
SHAKE WELL BEFORE USING

WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

FI	RST	ΔÌ	D

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

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 for treatment advice.

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 INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Prosar at 1-877-250-9291 for emergency medical information.

NOTE TO PHYSICIAN: Contains petroleum distillate; vomiting may cause aspiration pneumonia. Symptoms of exposure through inhalation or ingestion include headache, dizziness, nausea, vomiting, and cramps. Symptoms from eye or skin contact include irritation. Remove victim from area of exposure. Wash off remaining material with plenty of water. Probable mucosal damage may contraindicate the use of gastric lavage. Treat symptomatically and give supportive therapy. There is no specific antidote.

NET CONTENTS: 2 ½ GALLON(S)

EPA Reg. No. 66222-28 EPA Est. No. 11603-IS-01 Makhteshim-Agan of North America, Inc. 551 Fifth Avenue, Suite 1100 New York, NY 10176

ACCEPTED
with COMMENTS
In EPA Letter Dated

Under the Federal Insecticide, Fundicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothes before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Mixers, loaders, and applicators using engineering controls (see engineering controls requirements below) must wear:

- · Long sleeved shirt and long pants
- · Shoes plus socks
- · Chemical-resistant gloves when mixing and loading
- · Chemical-resistant apron when mixing and loading

All other mixers, loaders, applicators, and other handlers must wear: • Coveralls over long sleeved shirt and long pants

- Chemical-resistant gloves, such as barrier laminate or Viton >14 mils
- · Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when exposed to the concentrate

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENGINEERING CONTROLS STATEMENT:

Mixers and loaders supporting aerial applications to fallow land or ground applications to corn, cotton, or soybeans must use a closed system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(4)], and must:

- --wear the personal protective equipment required above for mixers/loaders using engineering controls,
- --wear protective evewear if the system operates under pressure, and
- --be provided and have immediately available for use in an emergency, such as a broken package, spill, or equipment breakdown; coveralls and chemical-resistant footwear.

Handlers performing applications to corn must use an enclosed cab that meets the definition in the Worker Protection Standard for agricultural pesticides [40CFR 170.240(d)(5)] for dermal protection. In addition, such

- --wear the personal protective equipment required above for applicators using engineering controls.
- --be provided and have immediately available for use in an emergency when they must exit the cab in the treated area; coveralls, chemical-resistant gloves, chemical-resistant footwear, and chemical-resistant headgear, if overhead exposure.
- --take off any PPE that was worn in the treated area before reentering the cab, and
- --store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(6)]:

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS ·

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 product is toxic to aquatic invertebrates and wildlife. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. See Directions for Use for additional restrictions. Do not contaminate water when disposing of equipment washwaters. is but in the

DIRECTIONS FOR USE

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

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. For any requirements specific to your State or Tribe. consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI).

The REI is 24 hours for all crops except the following:

onions, garlic, and horseradish: The REI is 48 hours.

conifer seedlings: The REI is three days.

conifer trees: The REI is six days.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow others to enter until sprays have dried.

CHEMIGATION STATEMENT

Refer to the section entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION for use directions for chemigation. Do not apply this product through any irrigation system unless the instructions for chemigation are followed. If application by chemigation is not specifically listed for a crop, Galigan 2E may not be applied to that crop through irrigation systems.

GENERAL USE INFORMATION

Unless otherwise directed by registered supplemental labels, follow the Directions for Use in each crop group section.

IMPORTANT: Read the entire DIRECTIONS FOR USE and the WARRANTY STATEMENT before using this product. If terms are not acceptable, return the unopened product container to the place of purchase at once.

CULTURAL CONSIDERATIONS

In order for GALIGAN 2E herbicide to provide maximum preemergence activity: Prior to application, the bed or soil surface should be smooth and free of crop and weed trash (decaying leaves, clippings, dead weeds, etc.). Leaves and trash may be removed by blowing the area to be treated or by thoroughly mixing the trash into the soil through cultivation prior to herbicide application. After application, at least one-quarter inch (1/4 inch) of irrigation or rainfall should occur within 3 or 4 weeks after application. The best results from GALIGAN 2E herbicide are from applications to established beds or soil surfaces that are left undisturbed during the time period for which weed control is desired. Cultural practices that result in redistribution or disturbance of the soil surface after treatment will decrease the herbicidal effectiveness of GALIGAN 2E. Cutting water furrows or cultivations that mix untreated soil into treated areas will also reduce the effectiveness of the treatment.

MIXING DIRECTIONS

Fill the spray tank at least one-third full of clean water. With the pump and agitator running, add the recommended amount of herbicides to the spray tank. The order of addition to the spray tank should be wettable powders first, flowables second, and liquids last. Complete filling of the spray tank with water. For all applications

of GALIGAN 2E herbicide (except onions) where postemergence weed control is desired, add 2 to 4 pints of ar 80% active nonionic surfactant cleared for application to growing crops per each 100 gallons of spray. The addition of 4 pints of an 80% active nonionic surfactant per 100 gallons of spray is recommended to enhance postemergence activity when hard water (greater than 600 ppm) is used as a carrier. Maintain agitation until spraying is completed.

Compatibility testing for tank mixing partners: Galigan 2E herbicide may also be used in tank mixtures. Test compatibility of the intended tank mixture before adding Galigan 2E herbicide to the spray or tank mix. Add proportionate amounts of each ingredient to a pint or quart jar, cap, shake, and let set 15 minutes. Formation of precipitates that do not readily redisperse indicates an incompatible mixture that should not be used.

Spray equipment should be calibrated carefully before each use. Dosages listed on this label are for broadcast application. For banded application, the amount of GALIGAN 2E herbicide used per acre should be reduced according to the following formula:

Band Width (in inches) Row Width (in inches)

Rate per **Broadcast Acre** Amount Needed per Acre for Banded Application

SPRAY DRIFT BUFFER RESTRICTIONS

A 25 ft. vegetative buffer strip must be maintained between all areas treated with this product and lakes. reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish ponds.

Do not allow spray to drift from the application site and contact people, structures people occupy at any time and the associated property, parks and recreational areas, non-target crops, aquatic and wetland areas, woodlands. pastures, rangelands, or animals.

For groundboom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy and when wind speed is 10 mph or less at the application site as measured by an anemometer.

Use coarse spray according to ASAE 572 definition for standard nozzles or VMD of 475 microns for spinning atomizer nozzles.

The applicator also must use all other measures necessary to control drift.

Х

CROP USE RECOMMENDATIONS **ARTICHOKES (GLOBE)**

POST-DIRECTED SPRAY **GENERAL INFORMATION**

GALIGAN 2E is an effective herbicide for postemergence and preemergence control of certain broadleaf weeds in artichokes. GALIGAN 2E herbicide should be directed towards the winter ditch, levees, or flat rows between the artichoke rows. Artichoke fronds receiving accidental spray or drift will be injured. Over-the-top applications may exhibit severe injury to the foliage and flower bud and are not recommended.

DOSAGE

GALIGAN 2E herbicide is recommended as a post-directed application at 4 to 6 pints (1.0 to 1.5 lbs. active) per acre. Optimum control is achieved when two applications of GALIGAN 2E herbicide are applied. The initial application should be made to susceptible weed seedlings (up to 8-leaf stage). It is recommended that a second application be made 8 to 10 weeks later. Good results may be achieved when a single application of 6 pints (1.5 lbs. active) of GALIGAN 2E herbicide is applied to susceptible weed seedlings (up to 8-leaf stage). Do not apply more than 6 pints (1.5 lbs. active) of GALIGAN 2E per treated acre per season as a result of a single application. or multiple applications. Do not apply within 5 days of harvest.

WEEDS CONTROLLED POSTEMERGENCE

CHEESEWEED (MALVA) GROUNDSEL, COMMON MUSTARD, COMMON YELLOW **NETTLE, BURNING**

OXALIS (BERMUDA BUTTERCUP) **SHEPHERDSPURSE** SOWTHISTLE, ANNUAL

WEEDS CONTROLLED PREEMERGENCE

CHEESEWEED (MALVA) GROUNDSEL, COMMON LAMBSQUARTERS, COMMON MUSTARD, COMMON YELLOW *Suppression

*OXALIS (BERMUDA BUTTERCUP) SHEPHERDSPURSE SOWTHISTLE, ANNUAL

TIMING AND METHOD OF APPLICATION

Treatments should be made after completion of the ditching operation. GALIGAN 2E herbicide should be applied in a minimum of 40 gallons of water per acre depending upon density of emerged weeds. Spray volume should be increased as weed height and density increase. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use. Spray should be directed towards the winter ditch, levees, or flat rows between the artichoke rows. ARTICHOKE FRONDS RECEIVING ACCIDENTAL A SPRAY OR DRIFT WILL BE INJURED.

ARTICHOKE (GLOBE) SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than 6 pints (1.5 lbs. active) of GALIGAN 2E herbicide per treated acre per season as a result of a single application or multiple applications.
- Do not apply GALIGAN 2E herbicide within 5 days of harvest.
- Avoid direct spray or drift contact of GALIGAN 2E herbicide with artichoke flowers or buds as severe injury may result.
- Do not apply GALIGAN 2E herbicide to artichoke plantings within 60 days after cutting back or transplanting.

BROCCOLI, CABBAGE, CAULIFLOWER

PRE-TRANSPLANT (PREPLANT) APPLICATION FOR PREEMERGENCE BROADLEAF WEED CONTROL GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for preemergence control of certain annual broadleaf weeds. Applications must be made after completion of soil preparation but *prior* to transplanting of broccoli, cabbage, or cauliflower plants. Transplanting should be completed with minimal soil disturbance. Treated soil surfaces should be left undisturbed after transplanting to obtain greatest benefit of GALIGAN 2E herbicide on susceptible annual broadleaf weeds during the time period for which weed control is desired. However, timely cultivations after weed emergence will assist in weed control. Pre-transplant applications of GALIGAN 2E herbicide in broccoli, cabbage, and cauliflower may result in a temporary initial crop response (leaf cupping or crinkling). Crop response may be enhanced if crop leaves come in direct contact with treated soil. Crops rapidly outgrow this condition and develop normally. Severe crop response may result from the use of transplants that are under stress due to temperature, disease, fertilizer, nematodes, insects, pesticides, or storage conditions. The use of young (less than 5 weeks old), extremely succulent transplants grown in containers, less than 1-inch square, may increase the severity of crop injury. Hardening off, increasing the age of transplants, or increasing the size of the rooting container will lessen the possibility and/or severity of crop injury.

DOSAGE

GALIGAN 2E herbicide is recommended for use at 1 to 2 pints (0.25 to 0.5 lb. active) per broadcast acre. The lower rate (1 pint per acre) is recommended for preemergence weed control on coarse-textured soils with less than 1% organic matter. The 2 pint per acre rate is recommended for preemergence weed control on medium- to fine-textured soils or soils containing greater than 1% organic matter.

GALIGAN 2E herbicide will assist in early season annual grass control. However, GALIGAN 2E herbicide must not be a basic portion of the grass herbicide program. A planned herbicide program for preemergence or postemergence grass control is recommended. Research has shown that severe crop injury can occur if GALIGAN 2E herbicide is applied to a field that has had an acetanilide herbicide (Dual[®], Lasso[®], Ramrod[®]) application during the current growing season; therefore, it is not recommended.

WEEDS CONTROLLED*

CARPETWEED

PURSLANE, COMMON SMARTWEED, PENNSYLVANIA

PIGWEED, REDROOT

*Applications of GALIGAN 2E herbicide to muck soils may result in partial control or suppression of the weeds listed.

GALIGAN 2E herbicide at the rate of 1 to 2 pints per acre may provide partial control or suppression of galinsoga, common lambsquarters, and wild mustard.

METHOD OF APPLICATION

GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentrations and applied in a minimum of 20 gallons of water per acre. Use conventional ground spray equipment with flat fan nozzles at 20 to 40 psi. Do not exceed 40 psi. Accurately calibrate spray equipment prior to each use. Thoroughly flush the spray equipment (tank, hose, pump, boom) with water before and after each use. Residual GALIGAN 2E herbicide remaining in the spray equipment may damage other crops.

AVOID DRIFT TO ALL OTHER CROPS AND NONTARGET AREAS. DO NOT APPLY WHEN WEATHER

CONDITIONS FAVOR DRIFT. GALIGAN 2E HERBICIDE IS PHYTOTOXIC TO PLANT FOLIAGE.



BROCCOLI, CABBAGE, CAULIFLOWER **SPECIFIC USE RESTRICTIONS**

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than 2 pints (0.5 lb. active) GALIGAN 2E herbicide per treated acre per season.
- Do not apply GALIGAN 2E herbicide preemergence to direct-seeded broccoli, cabbage, or cauliflower.
- Do not apply GALIGAN 2E herbicide post-transplant or postemergence (over-the-top) to broccoli, cabbage, or cauliflower.
- FOR FIELD USE ONLY. Do not apply GALIGAN 2E herbicide in an enclosed greenhouse structure as injury to plant foliage may result.

CACAO

FOR USE ONLY IN HAWAII **GENERAL INFORMATION**

GALIGAN 2E is effective as a preemergence herbicide when used alone for the control of certain annual broadleaf weeds in bearing and non-bearing cacao plantings. Preemergence control is most effective when spray is applied to clean, weed-free soil surfaces. Treated berms or soil surfaces should not be disked or disturbed in any manner as the herbicidal effectiveness of GALIGAN 2E herbicide may be decreased. Seedling weeds are controlled as they come in contact with soil-applied herbicides during emergence.

GALIGAN 2E HERBICIDE USED ALONE DOSAGE

GALIGAN 2E herbicide is recommended for preemergence and postemergence control of susceptible weeds at 2 to 8 pints (0.5 to 2.0 lbs. active) per broadcast acre when directed to the orchard floor beneath cacao plants or at a dosage of up to 4 pints per acre as a pre-transplant application. For directed spray applications, cacao transplants must be healthy and of suitable size for field transplanting. Avoid spray contact with cacao foliage as injury may result. Dosages listed are for broadcast application. For banded application, the amount of GALIGAN 2E herbicide used per acre should be reduced according to the following formula:

Band Width (in inches)

Rate per

Amount Needed per Acre for Banded Application

Row Width (in inches)

Broadcast Acre

WEEDS CONTROLLED POSTEMERGENCE

Apply 2 to 8 pints (0.5 to 2.0 lbs. active) of GALIGAN 2E herbicide per broadcast acre. Applications to weeds beyond the four-leaf stage may result in partial control.

PURSLANE, COMMON

SPURGE, GARDEN

WEEDS CONTROLLED PREEMERGENCE

Apply 2 to 8 pints (0.5 to 2.0 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

AGERATUM

PURSLANE, COMMON

BUTTONWEED CROTALARIA

SPURGE, GARDEN

TIMING AND METHOD OF APPLICATION

DO NOT APPLY PREPLANT OR PREEMERGENCE TO DIRECT-SEEDED CACAO. TREATMENTS CAN BE MADE TO ESTABLISHED CACAO OR AS A PRE-TRANSPLANT OR RECENTLY TRANSPLANTED CACAO.

Treatments should only be applied to healthy cacao stock (as determined by standard commercial growing practice). Care must be taken to prevent direct spray contact with foliage. Cacao foliage receiving accidental spray or drift may be injured. As a preemergence or postemergence treatment to weeds, apply a minimum of 15 gallons of water per acre. Use higher volumes to assure adequate coverage in high densities of emerged weeds or heavy trash. GALIGAN 2E herbicide should be directed to the soil and the base of the tree. Use of a lowpressure sprayer equipped with a breakaway boom and flat fan or off-center (OC) nozzles is recommended. Spray shields are suggested for use in young trees. Spray equipment should be calibrated carefully before each use.

CACAO

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe the GENERAL USE RESTRICTIONS listed at the end of the label.

- Do not apply more than 8 pints (2.0 lbs. active) per broadcast acre of GALIGAN 2E herbicide in a single application or 24 pints (6.0 lbs. active) per broadcast acre per year. Let fire
- Do not apply GALIGAN 2E herbicide within one (1) day of harvest.
- Direct spray toward the base of the trees. Avoid spray contact with foliage.
- Do not apply preplant or preemergence to direct-seeded cacao.

CITRUS (NONBEARING)

INCLUDING BUT NOT LIMITED TO CALAMONDIN, CHIRONJA, CITRUS CITRON, GRAPEFRUIT, KUMQUAT, LEMON, LIME, MANDARIN, PUMMELO, SATSUMA MANDARIN, SOUR ORANGE, SWEET ORANGE, TANGELO, TANGERINE, TANGOR

FOR USE ONLY IN PERMANENTLY ESTABLISHED GROVES IN ARIZONA, CALIFORNIA, FLORIDA, LOUISIANA, AND TEXAS.

GENERAL INFORMATION

GALIGAN 2E is effective as a preemergence and/or postemergence herbicide when used alone or in recommended tank-mix combinations for the control of certain annual broadleaf weeds in nonbearing citrus plantings. GALIGAN 2E herbicide may be applied to newly planted trees or to young trees that will not bear fruit within one year.

The most effective postemergence weed control is achieved when GALIGAN 2E herbicide is applied to seedling weeds at the recommended growth stage. For postemergence control of certain grassy and broadleaf weeds, a tank mix of GALIGAN 2E herbicide with paraquat (Gramoxone®) or glyphosate (Roundup®) can be used.

For residual grass control in citrus, a tank mixture of GALIGAN 2E herbicide with Devrinol®, simazine, Solicam®, or Surflan® can be used. Contact herbicides such as paraquat (Gramoxone) or glyphosate (Roundup) may also be added to the tank mixture. Check individual product labels to determine suitability and use rates for various crops.

GALIGAN 2E HERBICIDE USED ALONE GEOGRAPHIC USE DIRECTIONS ARIZONA AND CALIFORNIA DOSAGE

GALIGAN 2E herbicide is recommended for postemergence control at 2 to 6 pints (0.5 to 1.5 lbs. active) per broadcast acre. For preemergence control of susceptible weeds, use 8 pints (1.5 lbs. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE (weeds up to 4 inches high)

Apply 2 to 6 pints (0.5 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre. Applications to weeds beyond this 4-inch stage may result in partial control.

*GALIGAN 2E herbicide at the 6-pint rate (1.5 lbs. active) will provide control of filaree not exceeding the 4-inch

CHEESEWEED (MALVA) FIDDLENECK, COAST *FILAREE, BROADLEAF

*FILAREE, REDSTEM

*FILAREE, WHITESTEM GROUNDSEL, COMMON

MINER'S LETTUCE NETTLE, BURNING PIGWEED, REDROOT

REDMAIDS

SHEPHERDSPURSE SOWTHISTLE, ANNUAL

stage. Applications to filaree beyond the 4-inch stage may result in partial control. **WEEDS CONTROLLED PREEMERGENCE**

Apply 5 to 6 pints (1.25 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

BURCLOVER CHEESEWEED (MALVA)

HENBIT

FIDDLENECK, COAST FILAREE, BROADLEAF FILAREE, REDSTEM

FILAREE, WHITESTEM GROUNDSEL, COMMON HENBIT

KNOTWEED, PROSTRATE

LAMBSQUARTERS, COMMON

LETTUCE, PRICKLY PIGWEED, REDROOT PURSLANE, COMMON

REDMAIDS

ROCKET, LONDON SHEPHERDSPURSE SOWTHISTLE, ANNUAL SPURGE, PROSTRATE SPURGE, SPOTTED

FLORIDA, LOUISIANA, AND TEXAS DOSAGE

GALIGAN 2E herbicide is recommended for postemergence control at 2 to 6 pints (0.5 to 1.5 lbs. active) per broadcast acre. For preemergence control of susceptible weeds, GALIGAN 2E herbicide is recommended at 6 pints (1.5 lbs. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE

Apply 2 to 6 pints (0.5 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre. The lower rate is C:\Documents and Settings\claire.MANA\Desktop\Galigan DCI\Clean Label Galigan 2E (66222-28)(to EPA 2-2005 for DCI).doc Page 7 of 56

recommended for the control of susceptible seedling weeds in the early postemergence stage up to the 4-leaf stage. The higher rate (1.5 lbs. active) should be used for weeds up to the 6-leaf stage. Applications to weeds beyond the 6-leaf stage may result in partial control.

BALSAMAPPLE

*CUDWEED, NARROWLEAF
**EVENINGPRIMROSE, CUTLEAF
GROUNDCHERRY, CUTLEAF
GROUNDCHERRY WRIGHT

LAMBSQUARTERS, COMMON MORNINGGLORY, ANNUAL

NIGHTSHADE, AMERICAN BLACK

NIGHTSHADE, BLACK

*Maximum 0.5 inch diameter.

PEPPERWEED, VIRGINIA PIGWEED, REDROOT POINSETTIA, WILD PURSLANE, COMMON PUSLEY, FLORIDA

SIDA, PRICKLY (TEAWEED) SMARTWEED, PENNSYLVANIA

SOWTHISTLE, ANNUAL

**Highest rate and/or multiple applications may be required for acceptable control. Do not apply more than 6 pints (1.5 lbs. active) per broadcast acre during any 12-month period as a result of multiple applications.

WEEDS CONTROLLED PREEMERGENCE

Apply 6 pints (1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

CUDWEED, NARROWLEAF

**EVENINGPRIMROSE, CUTLEAF

GROUNDCHERRY, CUTLEAF LAMBSQUARTERS, COMMON NIGHTSHADE, AMERICAN BLACK

NIGHTSHADE, AMERICAN NIGHTSHADE, BLACK PEPPERWEED, VIRGINIA PIGWEED, REDROOT POINSETTIA, WILD PUSLEY, FLORIDA

SIDA, PRICKLY (TEAWEED) SMARTWEED, PENNSYLVANIA

SOWTHISTLE, ANNUAL SPURGE, PROSTRATE SPURGE, SPOTTED

ALL STATES-ARIZONA, CALIFORNIA, FLORIDA, LOUISIANA, AND TEXAS TIMING AND METHOD OF APPLICATION

GALIGAN 2E herbicide should be directed to the soil and the base of trees. Avoid direct spray contact on the citrus foliage. Use a low-pressure sprayer equipped with a breakaway boom and flat fan nozzles. An off-center (OC) nozzle positioned at the end of the boom may be desired.

SPRAY VOLUME

Weed Stage

Gallons of Water Per Acre

Preemergence

40 or more 40 or more

Postemergence up to 4-inch or 4-leaf stage Exceeding 4-inch or 4-leaf stage

100 or more

TANK MIXES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mix, the most restrictive situations must apply.

DOSAGE

For preemergence control of susceptible grassy and broadleaf weeds in citrus plantings, a tank mixture of GALIGAN 2E herbicide with Devrinol, simazine, Solicam, or Surflan can be applied. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels. For postemergence control of susceptible grassy and broadleaf weeds, a tank mixture of paraquat (Gramoxone) or glyphosate (Roundup) with GALIGAN 2E herbicide or combinations of GALIGAN 2E herbicide plus Devrinol, simazine, Solicam, or Surflan can be used. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

WEEDS CONTROLLED

In addition to the weeds controlled by GALIGAN 2E herbicide used alone, control of susceptible weeds listed on the respective labels for the following products is also obtained:

Devrinol

Simazine*

Paraquat (Gramoxone) Glyphosate (Roundup) Solicam Surflan

^{*}Maximum 0.5 inch diameter.

^{**}Highest rate and/or multiple applications may be required for acceptable control. Do not apply more than 6 pints (1.5 lbs. active) per broadcast acre during any 12-month period as a result of multiple applications.

^{*}In addition, provides preemergence control of horseweed (marestail).

CITRUS (NONBEARING) SPECIFIC USE RESTRICTIONS



In addition to the following, also observe the GENERAL USE RESTRICTIONS listed at the end of this label.

- Apply GALIGAN 2E herbicide only to nonbearing citrus trees.
- Do not apply more than 6 pints of GALIGAN 2E herbicide (1.5 lbs. active) per broadcast acre in a single application or more than 6 pints of GALIGAN 2E herbicide during any 12-month period as a result of multiple applications.
- GALIGAN 2E herbicide or any of the combinations recommended on this label should only be applied to healthy growing trees.
- Do not apply during periods of new foliage growth. Applications should be made after foliage has fully expanded and hardened off.
- Direct spray toward the base of trees. Avoid direct spray contact on the citrus foliage.

CLARY SAGE

(For Weed Control in Clary Sage Grown and Utilized in the Essence Industry in North Carolina only)

GENERAL INFORMATION

Galigan 2E herbicide is a selective herbicide which can be used for the control of henbit (*Lamium amplexicaule*) in Clary Sage (*salvia sclarea*).

Applications to control henbit during the winter season should be timed to start shortly after the first flush of henbit is in the 2- to 4-leaf stage. Additional applications may be required to control subsequent weed flushes through the spring season. Clary Sage may respond to the topical application with some marginal leaf burn, recovery is rapid. After spraying, henbit will stop growing and slowly die.

DOSAGE

Galigan 2E herbicide should be applied at a rate of 0.5 to 1 pint per acre (0.125 to 0.25 lb. active). Galigan should be thoroughly mixed with clean water at recommended concentrations and applied in 20 to 50 gallons of water per acre. Apply at 20 to 40 psi.

COFFEE

BEARING AND NONBEARING COFFEE IN HAWAII GENERAL INFORMATION

GALIGAN 2E is effective as a preemergence herbicide when used alone for the control of certain annual broadleaf weeds in bearing and nonbearing coffee plantings. For postemergence control of certain grassy and broadleaf weeds, a tank mixture of either paraquat (Gramoxone) or glyphosate (Roundup) with GALIGAN 2E herbicide can be applied to seedling weeds. Check individual product labels to determine suitability and use rates for crop.

GALIGAN 2E HERBICIDE USED ALONE DOSAGE

For preemergence control of susceptible weeds, GALIGAN 2E herbicide is recommended at 2 to 8 pints (0.5 to 2.0 lbs. active) per broadcast acre as a preemergence application directed to the orchard floor beneath coffee plants or at a dosage of up to 4 pints per broadcast acre as a pre-transplant application. For directed spray applications, coffee transplants must be healthy and of suitable size for field transplanting. Avoid spray contact with coffee foliage as injury may result. GALIGAN 2E herbicide may be applied postemergence (over-the-top) to dormant coffee transplants. Applications must only be made prior to bud break to avoid possible phytotoxicity to the coffee foliage. Over-the-top applications made after buds start to swell may result in injury to the coffee plant and are not recommended. Dosages listed on this label are for broadcast application. For banded application, the amount of GALIGAN 2E herbicide used per acre should be reduced according to the following formula:

Band Width (in inches)
Row Width (in inches)

Rate per Broadcast Acre Amount Needed per Acre for Banded Application

15/60

WEEDS CONTROLLED POSTEMERGENCE

Apply 2 to 8 pints (0.5 to 2.0 lbs. active) of GALIGAN 2E herbicide per broadcast acre. Applications to weeds beyond the four-leaf stage may result in partial control.

PURSLANE, COMMON

SPURGE, GARDEN

WEEDS CONTROLLED PREEMERGENCE

Apply 2 to 8 pints (0.5 to 2.0 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

AGERATUM
PURSLANE, COMMON
SPURGE, GARDEN

CROTALARIA

TIMING AND METHOD OF APPLICATION DO NOT APPLY PREPLANT OR PREEMERGENCE TO DIRECT-SEEDED COFFEE

Treatments should only be applied to healthy coffee stock (as determined by standard commercial growing practices). Care must be taken to prevent direct spray contact with foliage. Coffee foliage receiving accidental spray or drift may be injured. As a preemergence or postemergence treatment to weeds, apply a minimum of 30 gallons of water per acre. Use higher volumes to ensure adequate coverage in high densities of emerged weeds or heavy trash. GALIGAN 2E herbicide should be directed to the soil and the base of the tree. Use of a low-pressure sprayer equipped with a breakaway boom and flat fan or off-center (OC) nozzles is recommended. Spray equipment should be calibrated carefully before each use.

TANK MIXES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

For postemergence control of susceptible grassy and broadleaf weeds in coffee plantings, a tank mixture of GALIGAN 2E herbicide with either glyphosate (Roundup) or paraquat (Gramoxone) may be applied as a directed spray. Apply at recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

WEEDS CONTROLLED POSTEMERGENCE

In addition to the weeds controlled by GALIGAN 2E herbicide used alone, control of susceptible weeds listed on the respective labels for the following products is also obtained.

paraquat (Gramoxone)

glyphosate (Roundup)

COFFEE

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply preplant or preemergence to direct-seeded coffee.
- Direct spray toward the base of the trees. Avoid spray contact with foliage.
- GALIGAN 2E herbicide may be applied as a postemergence (over-the-top) application to dormant transplants.
 Do not apply over-the-top to coffee transplants after buds start to swell.
- GALIGAN 2E herbicide or any of the combinations recommended on this label should be applied to only healthy growing trees/transplants under standard commercial growing practices.
- Do not apply more than 8 pints (2.0 lbs. active) per broadcast acre of GALIGAN 2E herbicide in a single application of 24 pints (6.0 lbs. active) per broadcast acre per year.
 - Do not apply GALIGAN 2E herbicide within one (1) day of harvesting.
 - Applications of GALIGAN 2E herbicide during periods of rapid new foliage growth may cause injury.

CONIFER SEEDBEDS, TRANSPLANTS, CONTAINER STOCK AND SELECTED FIELD-GROWN DECIDUOUS TREES

GENERAL INFORMATION

GALIGAN 2E is effective as a preemergence and/or postemergence herbicide for the control of certain annual grassy and broadleaf weeds in conifer seedbeds, transplants, and container stock, and in selected field-grown deciduous trees. Preemergence control is most effective when spray is applied to clean, weed-free soil surfaces. Treated soil surfaces should not be disturbed as the herbicidal effectiveness of GALIGAN 2E may be decreased. Seedling weeds are controlled during emergence as they come in contact with the soil-applied herbicide. The most effective postemergence weed control is achieved when GALIGAN 2E herbicide is applied to seedling weeds less than 4 inches in height.

Occasionally after the use of GALIGAN 2E herbicide, a spotting, crinkling, or flecking may appear on leaves of conifer and deciduous species. Leaves that receive direct or indirect (drift) spray contact may be injured. The conifer and deciduous species typically outgrow this condition rapidly and develop normally.

IMPORTANT: When applied as directed, the conifer and selected deciduous species listed on this label have shown tolerance to GALIGAN 2E. It is impossible, however, to evaluate this product on all varieties, biotypes, and cultivars of listed species on this label or under all possible growing conditions. The user should exercise reasonable judgement and caution with this product. Until familiar with results under user growing conditions, limit application of this product to a few plants in a small treated area to determine plant tolerance and extent of injury if such occurs prior to initiating large-scale applications.

WEEDS CONTROLLED

When GALIGAN 2E herbicide is applied preemergence or postemergence at recommended dosages and weed stages, the following grasses and broadleaf weeds are controlled.

*BARNYARDGRASS
BEDSTRAW, CATCHWEED
BITTERCRESS, LESSER
*BLUEGRASS, ANNUAL
BUCKWHEAT, WILD

BUCKWHEAT, WILL
BURCLOVER
CARPETWEED
*CLOVER, RED
*CLOVER, WHITE

COCKLEBUR, COMMON *CRABGRASS, LARGE *FIDDLENECK, COAST FILAREE, BROADLEAF FILAREE, REDSTEM FIREWEED (FROM SEED)

FIREWEED (FROI FLIXWEED *FOXTAIL, GIANT *GOOSEGRASS

GROUNDCHERRY, CUTLEAF GROUNDCHERRY, WRIGHT GROUNDSEL, COMMON

HENBIT JIMSONWEED

KNOTWEED, PROSTRATE

LADYSTHUMB

LAMBSQUARTERS, COMMON

LETTUCE, PRICKLY MALLOW, LITTLE MAYWEED

MINER'S LETTUCE

*MORNINGGLORY, IVYLEAF

*MORNINGGLORY, TALL

MUSTARD, BLUE MUSTARD, TUMBLE MUSTARD, WILD NETTLE, BURNING NIGHTSHADE, BLACK NIGHTSHADE, HAIRY

OATS, WILD ORACH, RED

PEPPERWEED, YELLOWFLOWER

PIGWEED, PROSTRATE PIGWEED, REDROOT PIMPERNEL, SCARLET PURSLANE, COMMON

REDMAIDS

ROCKET, LONDON SANDSPURRRY, RED *SHEPHERDSPURSE

SIDA, PRICKLY

SMARTWEED, PENNSYLVANIA SORREL, RED (FROM SEED) SOWTHISTLE, ANNUAL SPEEDWELL, BIRDSEYE **SPURGE, PROSTRATE **SPURGE, SPOTTED SPURRY, CORN TANSYMUSTARD

TANSYMUSTARD
**THISTLE, BULL
THISTLE, RUSSIAN
VELVETLEAF
WITCHGRASS

**WOODSORREL, YELLOW

GALIGAN 2E herbicide is most effective when applied preemergence to annual grasses. Postemergence applications should be made to seedling grasses not exceeding the 2-leaf stage. The addition of 0.25% (2 pints per 100 gallons of spray solution) of an 80% active nonionic surfactant, cleared for application on growing crops, enhances the GALIGAN 2E herbicide activity on emerged weeds. When determining an appropriate use rate where a range of rates is provided, use higher rates where heavy weed pressure is anticipated, or where medium and fine soil textures exist and high organic matter soils are present.

CONIFER SEEDBEDS

To assist in the establishment of conifer seedbeds, GALIGAN 2E herbicide can be applied as a preemergence application following seeding. Postemergence applications should be delayed until a minimum of 5 weeks after emergence of the conifer seedlings. During periods of cool, cloudy weather, make certain that seedlings have hardened off prior to spraying.

^{*}Highest rate and/or multiple applications may be required for acceptable control.

^{**}Preemergence control only.

Conifers are tolerant to preemergence and postemergence applications of GALIGAN 2E herbicide. GALIGAN 2E herbicide will provide both postemergence and residual preemergence control of many broadleaf weeds and annual grass species.

CONIFER SPECIES

GALIGAN 2E herbicide may be applied to conifer seedbeds of species including the following:

COMMON NAMESCIENTIFIC NAMEDOUGLAS FIRPseudotsuga menziesii

FIR

FRASER
GRAND
NOBLE
HEMLOCK

Abies fraseri
Abies grandis
Abies procera

EASTERN HEMLOCK Tsuga canadensis
WESTERN HEMLOCK* Tsuga heterophylla

PINE

AUSTRIAN Pinus nigra **EASTERN WHITE** Pinus strobus Pinus wallichiana HIMALAYAN Pinus banksiana **JACK** Pinus taeda LOBLOLLY LODGEPOLE Pinus contorta Pinus palustris LONGLEAF Pinus radiata MONTEREY **MUGHO** Pinus mugo Pinus ponderosa **PONDEROSA** Pinus sylvestris SCOTCH SHORTLEAF Pinus echinata SLASH Pinus elliottii

VIRGINIA Pinus virginiana
SPRUCE
BLUE Picea pungens

DWARF ALBERTA

NORWAY

Picea glauca conica

Picea abies

Picea sitchensis

PREEMERGENCE DOSAGE

Apply 1 to 4 pints (0.25 to 1.0 lb. active) of GALIGAN 2E herbicide per broadcast acre as a preemergence application prior to conifer emergence. Where grassy weeds are present, a rate of 2 to 4 pints (0.5 to 1.0 lb. active) of GALIGAN 2E herbicide per broadcast acre is recommended. In known areas of high weed competition, 4 pints (1.0 lb. active) of GALIGAN 2E herbicide per broadcast acre are recommended.

TIMING AND METHOD OF APPLICATION

GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentration and applied at 20 to 40 psi in a minimum of 20 gallons of water per treated acre. Broadcast to beds and irrigate prior to weed emergence with ½ to ¾ inch of sprinkler irrigation.

POSTEMERGENCE DOSAGE

Apply 1 to 2 pints (0.25 to 0.5 lb. active) of GALIGAN 2E herbicide per broadcast acre with each postemergence application. Depending on subsequent weed flushes, multiple applications may be necessary to achieve seasonlong weed control.

TIMING AND METHOD OF APPLICATION

Postemergence applications should be delayed until a minimum of 5 weeks after emergence of conifer seedlings. During periods of cool, cloudy weather, make certain that seedlings have hardened off prior to spraying. Application should be made to seedling weeds (less than 4 inches in height). GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentration and applied as a broadcast application at 20 to 40 psi in a minimum of 20 gallons of water per treated acre.

Sprinkler Chemigation: If GALIGAN 2E herbicide is to be applied via sprinkler irrigation (center pivot), follow the method of application directions listed for sprinkler chemigation. Additionally, for application using center pivot irrigation systems, apply specified dosage of GALIGAN 2E per acre as described above and meter Galigan 2E

^{*}Not registered for use in California.

herbicide at a continuous uniform rate during the entire irrigation period to allow for uniform distribution to the vegetation and soil surface. Follow all directions given in the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION when making applications using sprinkler irrigation systems.

CONIFER TRANSPLANTS AND CONTAINER STOCK (INCLUDES 2-0 SEEDLING AND CHRISTMAS TREE PLANTINGS)

Many container-grown conifers and conifer transplants are tolerant to preemergence and postemergence applications of GALIGAN 2E herbicide. Applied postemergence, GALIGAN 2E herbicide will provide both postemergence and preemergence control of many broadleaf weeds and grasses listed in the WEEDS CONTROLLED SECTION above. Postemergence applications should be applied before bud break or after foliage has had an opportunity to harden off. Conifers may be transplanted from seedbeds and sprayed directly providing bud break has not occurred.

The following conifer species in addition to species listed under the CONIFER SEEDBED section have been shown to be tolerant to GALIGAN 2E herbicide.

ARBORVITAE

Thuja occidentalis Thuja orientalis

JUNIPER

Juniperus chinensis Juniperus horizontalis Juniperus procumbens Juniperus sabina Juniperus scopulorum RED CEDAR

Juniperus virginiana
WESTERN HEMLOCK*

Tsuga heterophylla

YEW

Taxus species

DOSAGE

For preemergence or postemergence weed control, apply 4 to 8 pints (1.0 to 2.0 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

TIMING AND METHOD OF APPLICATION

For optimum weed control, preemergence applications should be made immediately after transplanting seedlings or to weed-free container stock. Postemergence applications should be made to weeds less than 4 inches in height. Two applications may be necessary in fall-transplanted conifer fields for season-long weed control. The addition of 0.25% (2 pints per 100 gallons of spray solution) of an 80% active nonionic surfactant, cleared for application to growing crops, enhances GALIGAN 2E herbicide activity on emerged weeds. GALIGAN 2E herbicide must be applied only to conifer transplants prior to bud break or after foliage has had an opportunity to harden off. Thoroughly mix with clean water at recommended concentration and apply at 20 to 40 psi in a minimum of 20 gallons of water per treated acre. Spray over the top of transplants. Heavy rainfall immediately following application to emerged weeds may reduce effectiveness.

TANK MIXTURES FOR SELECTED FIELD-GROWN CONIFERS

In addition to the weeds controlled by GALIGAN 2E herbicide used alone, tank mixes with other preemergence or postemergence herbicides registered for this use may provide a broader spectrum of weed control.

GALIGAN 2E herbicide may be tank mixed with products containing the following active ingredients registered for use in conifer plantings:

Glyphosate Napropamide Oryzalin

Prodiamine Pronamide Sethoxydim

Pendimethalin

Determine the additional weed species to be controlled, and based on label claims, select the product(s) which would give effective control of the targeted weed(s). When using tank mixes of two or more products, use conditions must be in accordance with the more (most) restrictive of the label limitations and precautions of the mixing partners.

IMPORTANT: Read and follow container labels of tank-mix partners and use as directed by labeling. Follow the most restrictive labeling.

CONIFER

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

Do not apply more than 8 pints (2.0 lbs. active) of this product per broadcast acre per year.

- NOT FOR CONIFER RELEASE IN FOREST MANAGEMENT PROGRAMS OR FOR FOREST REGENERATION APPLICATIONS.
- Do not apply GALIGAN 2E herbicide in an enclosed greenhouse structure as injury to plant foliage may result.
- Do not store or transport treated container stock in an enclosed structure until completion of 4 irrigations (minimum 21 days) as injury to non-labeled plants may occur.
- Always apply GALIGAN 2E herbicide only to healthy conifer stock. Do not apply GALIGAN 2E herbicide to conifers that are under stress from excessive fertilizer or soil salts, disease, nematodes, frost, drought, flooding, previously applied pesticides, soil insects, or winter injury as severe injury may result.
- Do not graze or feed livestock forage cut from areas treated with GALIGAN 2E.

SELECTED FIELD-GROWN DECIDUOUS TREES

Many field-grown deciduous trees are tolerant to applications of GALIGAN 2E herbicide directed to the soil and base of the plant. GALIGAN 2E herbicide will provide both preemergence and postemergence control of many broadleaf weeds and grasses.

DECIDUOUS TREE SPECIES			
COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME
**Almond	Prunus spp.	**Nut, Macadamia	Macadamia ternifola
**Apple	Malus X domestica	Oak, Chestnut	Quercus prinus
**Apricot	<i>Prunus</i> spp.	Oak, Pin	Quercus palustris
Ash, Green	Fraxinus pennsylvanica	Oak, Red	Quercus rubra
Ash, White	Fraxinus americana	Oak, Water	Quercus nigra
Birch, River	Betula nigra	Oak, Willow	Quercus phellos
**Cherry	Prunus spp.	Olive, Russian	Elaeagnus angustifolia
**Chestnut	Castanea spp.	Poplar	Populus spp.
**Crabapple	<i>Malus</i> spp.	Poplar, Tulip	Liriodendron tulipifera
Dogwood	Cornus florida	**Peach	Prunus persica
Eucalyptus	Eucalyptus viminalis,	**Pear	Pyrus spp.
	Eucalyptus pulverulenta,	. 	
	Eucalyptus camaldulensis		
**Filbert	Corylus spp.	**Pecan	Carya spp.
Lilac	Syringa vulgaris	**Pistachio	Pistacia vera
Locust, Black	Robinia pseudoacacia	**Plum	Prunus spp.
*Maple, Black	Acer nigrum	**Prune	Prunus spp.
*Maple, Red	Acer rubrum	Redbud	Cercis canadensis
*Maple, Sugar	Acer saccharum	Sweetgum	Liquidamber styraciflua
Myrtle, Crepe	Lagerstroemia indica	Sycamore	Platanus occidentalis
**Nectarine	Prunus spp.	**Walnut, Black	Juglans nigra
**Nut, Hickory	Carya spp.		

^{*}Do not apply to maple trees used for production of maple sap or maple syrup.

DOSAGE

Apply 2 to 6 pints (0.5 to 1.5 lbs. active) of GALIGAN 2E herbicide per acre as a spray to the soil area surrounding deciduous plants for preemergence or early postemergence weed control. This product may be applied as a single or split application. **DO NOT** apply more than 6 pints of product per season.

For spot treatments, refer to the following table for dosage recommendations. Sprays must be uniform and applied to the soil on a spray-to-wet basis. When spraying to control weeds on a preemergence or postemergence basis, 1 gallon of spray mixture should cover 400 square feet. (This is equivalent to applying GALIGAN 2E herbicide at a use rate of approximately one gallon per acre in a spray volume of 110 gallons per acre.) It is recommended that an 80% active nonionic surfactant be added to the spray mixture at a rate of 1 tablespoon (0.5 fluid ounces) per gallon of spray when making postemergence applications.

POUNDS ACTIVE/ACRE	PINTS GALIGAN 2E/ACRE	FLUID OUNCES (milliliters) OF GALIGAN 2E IN ONE GALLON OF SPRAY MIX TO TREAT 400 SQ. FT.	FLUID OUNCES (milliliters) OF GALIGAN 2E IN ONE QUART OF SPRAY MIX TO TREAT 100 SQ. FT.
1.5	6	1.2 0.9 (35) 27	0.3 o 22 (9)

TIMING

^{**}Apply as directed to nonbearing trees. For bearing tree fruit, nut, and vine crops, refer to the TREE FRUIT, NUT, VINE SECTION of this label for use directions.

GALIGAN 2E herbicide can be applied after transplanting or to established deciduous trees. For optimum weed control, applications should be made prior to weed germination.

For maximum safety to deciduous species mentioned on this label, post-directed applications of GALIGAN 2E should be made to the soil prior to bud swell in the spring or after trees have initiated dormancy in the fall. Care must be taken to avoid contact of spray drift or mist with foliage or green bark of deciduous trees.

GALIGAN 2E herbicide may be phytotoxic to the foliage of non-target plants. Avoid making applications of this product under conditions that favor drift to non-target areas.

Note: Applications made after bud swell may result in injury to deciduous trees and are not recommended. If a nondormant application is required due to weed competition, do not apply during periods of new foliage growth. Applications should be made after foliage has fully expanded and hardened off. Direct spray toward the soil at the base of the trees and use greater than 50 gallons of water per acre. Splashing soil can carry GALIGAN 2E herbicide, which may injure the leaves of some deciduous trees.

METHOD OF APPLICATION

GALIGAN 2E herbicide should be directed to the soil. Avoid direct spray or drift onto foliage, flowers, or green bark. Apply in 20 or more gallons of water per acre to provide uniform spray distribution and coverage to the soil surface. Use higher volumes to ensure adequate soil coverage in high densities of emerged weeds or heavy trash. Thorough spray coverage is essential to maximize the postemergence activity of GALIGAN 2E. Use a low-pressure (20 to 40 psi) sprayer. The use of spray shields that reduce exposure of foliage and bark to GALIGAN 2E spray is suggested. Spray equipment should be calibrated carefully before each use.

TANK MIXTURES FOR SELECTED FIELD-GROWN DECIDUOUS TREES

In addition to the weeds controlled by GALIGAN 2E herbicide used alone, tank mixes with other preemergence or postemergence herbicides registered for this use may provide a broader spectrum of weed control.

GALIGAN 2E herbicide may be tank mixed with products containing the following active ingredients registered for use in deciduous plantings:

Glyphosate

Pendimethalin

Sethoxydim

Napropamide Oryzalin Prodiamine

Pronamide

Determine the additional weed species to be controlled and, based on label claims, select the product(s) which would give effective control of the targeted weed(s). When using tank mixes of two or more products, use conditions must be in accordance with the more (most) restrictive of the label limitations and precautions of the mixing partners.

IMPORTANT: Read and follow container labels of tank-mix partners and use as directed. Follow the most restrictive labeling.

FIELD-GROWN DECIDUOUS TREES-SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- DO NOT apply more than 6 pints (1.5 lbs. active) of this product per broadcast acre per year.
- The use directions described here for field-grown deciduous trees do not apply to bearing tree fruit, nut, and vine crops. For selected bearing tree fruit, nut, and vine crops, refer to the TREE FRUIT, NUT, VINE section of this label for use directions.
- Apply this product to the soil surface surrounding trees prior to bud swell or after trees have initiated dormancy in the fall. Although not recommended, if a nondormant application is required, apply as a directed spray when foliage has fully expanded and hardened off. Do not apply during periods of new foliage growth.
- Avoid direct or indirect spray contact to foliage flowers and green bark.
- DO NOT apply this product when weather conditions favor drift. Avoid drift to non-target areas. GALIGAN 2E herbicide is phytotoxic to plant foliage.
- DO NOT apply GALIGAN 2E herbicide to trees that have been weakened or are under stress from excessive fertilizer or soil salts, disease, nematodes, frost, wind injury, drought, flooding, previously applied pesticides, insects, or winter injury, as severe injury may result.
- DO NOT graze or feed livestock forage cut from areas treated with GALIGAN 2E herbicide.

GE CORN THE FOY GEAR

FOR USE ONLY AS DIRECTED SPRAY ON FIELD CORN IN CONJUNCTION WITH THE USDA WITCHWEED ERADICATION PROGRAM IN NORTH CAROLINA AND SOUTH CAROLINA GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for the control of witchweed (Striga asiatica) and works both preemergence



DOSAGE

Use 2 to 3 pints of GALIGAN 2E herbicide (0.5 to 0.75 lb. active) per acre for the first application. The 2 pint rate (0.5 lb. active) per acre should be the standard use rate with the 3 pint rate (0.75 lb.) per acre for isolated infestations. Repeat treatments should be made at rates of 1 to 2 pints (0.25 to 0.5 lb. active) per acre. Use an 80% active nonionic surfactant spreader in the spray mixture at the rate of 0.25% by water volume or 1 quart in 100 gallons of spray mix.

TIMING AND METHOD OF APPLICATION

Fields in the witchweed infested area selected for treatment with GALIGAN 2E herbicide should be examined during the early part of the growing season to determine uniformity of corn stand and grassy weed pressure. Weedy fields should be cultivated prior to the initial application so as to obtain the best possible soil coverage in the first spray application. Apply during May-August to emerged witchweed before bloom or as soon as possible after bloom appears to avoid seed set. Corn should have a minimum height of 24 inches at the first application. After this application has been made, the fields should be inspected regularly for any breakthrough of the witchweed. If breakthrough occurs, then a second spray should be applied like the first. This application will be made postemergence to the witchweed, preferably before bloom or as soon as possible past the first appearance of witchweed bloom, to avoid seed set.

In all applications, direct the GALIGAN 2E herbicide spray at the base of the corn plant and uniformly over the entire row surface. Do not spray over the top of the corn, as this may result in severe corn injury. Spray droplets contacting the lower leaves will cause necrotic spotting or streaking of sprayed tissue. Spray should contact only the lower 3 to 8 inches of the corn stalk and any leaves in this zone.

CORN

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than 5 pints of GALIGAN 2E herbicide (1.25 lbs. active) per acre to a corn crop during the growing season.
- Do not apply any application within 60 days of harvest.
- Do not use corn plants from a treated field for green chop, ensilage, forage, or fodder.

COTTON

POST-DIRECTED SPRAY GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for use as a post-directed application for broadleaf weed control in cotton. Cotton leaves that are accidentally sprayed will exhibit necrotic spotting and may drop from the plant, therefore, care must be exercised to avoid spray contact with the cotton leaves. Crop response may be enhanced if applications are made when excessive soil moisture is present or if rainfall occurs following application. Cotton will outgrow this condition and continue to develop normally.

DOSAGE

GALIGAN 2E herbicide is recommended as a post-directed application at 1 to 2 pints (0.25 to 0.5 lb. active) per acre.* Optimum control is achieved when 2 pints of GALIGAN 2E herbicide (0.5 lb. active) per acre* are applied to weed seedlings not exceeding 4 true leaves. Effective control of succulent weed seedlings in the 2- to 3-leaf stage can usually be obtained when 1 pint of GALIGAN 2E herbicide (0.25 lb. active) per acre* are applied. See MIXING DIRECTIONS for surfactant recommendation. Weeds should be in the seedling stage, young and actively growing. Do not count cotyledon leaves.

*Dosages listed are for broadcast application. For banded application, the amount of GALIGAN 2E herbicide used per acre should be reduced according to the following formula:

Band Width (in inches)

Rate per

Amount Needed per Acre for Banded Application

Row Width (in inches)

Broadcast Acre

WEEDS CONTROLLED POSTEMERGENCE

When GALIGAN 2E herbicide is applied as a post-directed application at the recommended weed stage and dosage in cotton, the following weeds are controlled:

COCKLEBUR, COMMON CROTON, TROPIC GROUNDCHERRY, CUTLEAF GROUNDCHERRY, WRIGHT JIMSONWEED LAMBSQUARTERS, COMMON NIGHTSHADE, HAIRY PIGWEED, REDROOT *POINSETTIA, WILD PURSLANE, COMMON SESBANIA, HEMP **SICKLEPOD MORNINGGLORY, ANNUAL (UP TO 6-LEAF) NIGHTSHADE, AMERICAN BLACK NIGHTSHADE, BLACK *SIDA, PRICKLY (TEAWEED) SMARTWEED, PENNSYLVANIA VELVETLEAF



*Multiple applications may be required for acceptable control.

**Post-direct applications of GALIGAN 2E herbicide will kill or suppress seedlings not exceeding the one true leaf stage.

TIMING

SOUTHERN COTTON (ALABAMA, ARKANSAS, GEORGIA, LOUISIANA, MISSISSIPPI, MISSOURI, NEW MEXICO, NORTH CAROLINA, OKLAHOMA, SOUTH CAROLINA, TENNESSEE, TEXAS, AND VIRGINIA)

Cotton plant height must be a minimum 6 inches or greater. Application to cotton plants less than 6 inches tall may result in severe crop injury and is not recommended. In cotton 6 to 8 inches tall, GALIGAN 2E herbicide must be applied using **rigid** precision ground sprayer equipment. The use of spray shields is recommended to avoid spray contact with cotton foliage. Use branch lifters or shields if excessive spray contact on larger cotton plants (8 inches or greater) cannot be avoided by the directed spray.

WESTERN COTTON (ARIZONA AND CALIFORNIA)

Cotton plant height must be a minimum 6 inches or greater. Applications to cotton plants less than 6 inches tall may result in severe crop injury and is not recommended. In cotton 6 to 8 inches tall, GALIGAN 2E herbicide must be applied using **rigid** precision ground sprayer equipment. The use of spray shields is recommended to avoid spray contact with cotton foliage. Use branch lifters or shields if excessive spray contact on larger cotton plants (8 inches or greater) cannot be avoided by the directed spray.

To obtain the maximum benefit of postemergence activity, encourage weed emergence by irrigating prior to spraying. Irrigate immediately following herbicide application to obtain greatest benefit of preemergence activity from GALIGAN 2E herbicide on nightshade and groundcherry species.

METHOD OF APPLICATION SOUTHERN AND WESTERN COTTON

Accurate, uniform placement of GALIGAN 2E herbicide spray is essential for effective weed control and to minimize cotton injury. As a directed postemergence application, GALIGAN 2E herbicide should be applied at 20 to 25 psi using 20 to 40 gallons of spray on a broadcast acre basis. Do **not** exceed 25 psi. Spray should be directed towards the base of the cotton plant. Cotton foliage receiving accidental spray or drift may be injured. Weeds should be in the seedling stage, young and actively growing.

GALIGAN 2E herbicide can be applied using a post-direct spray rig with only 2 flat fan nozzles per row, 1 nozzle on each side of the row. Additional care should be taken when adjusting sprayer prior to application. For best coverage, it is suggested to use 4 flat fan nozzles per row, 2 nozzles on each side of the row. The 2 forward nozzles should point forward and downward while the rear nozzles should point to the rear and downward. With either sprayer system, nozzles should be adjusted to cover the weed foliage with minimum contact to the cotton plant. **Do not use cone nozzles.**

TANK MIXES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for tank mixtures, the most restrictive situations must apply.

DOSAGE

For postemergence control of susceptible grassy and broadleaf weeds in cotton, a tank mixture of GALIGAN 2E herbicide with either Bladex[®], Karmex[®] (diuron), or MSMA can be applied as a post-directed application. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

COTTON SOUTHERN AND WESTERN SPECIFIC USE RESTRICTIONS

1.

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- **SOUTHERN COTTON:** Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide per season as a result of a single application or multiple applications. Do not apply within 90 days of harvest
- **WESTERN COTTON:** Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per broadcast acre in a single application or more than a total of 4 pints (1.0 lb. active) of GALIGAN 2E herbicide per broadcast acre per season as a result of multiple applications. Do not apply within 75 days of harvest.

COTTONWOOD

GENERAL INFORMATION

GALIGAN 2E is an effective herbicide for postemergence and preemergence control of certain broadleaf weeds in cottonwood plantings. GALIGAN 2E herbicide may be applied postemergence or be post-directed to the base of the cottonwood tree. Applications must only be made prior to bud break to avoid possible phytotoxicity to the cottonwood foliage. Applications made after bud break may result in injury to the cottonwood plant and are not recommended.

DOSAGE

Apply 4 to 6 pints (1.0 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre for preemergence and postemergence weed control. The addition of 1 quart of an 80% active nonionic surfactant per 100 gallons of spray mix will assist in spray coverage and wetting of weeds for postemergence control.

WEEDS CONTROLLED

When GALIGAN 2E herbicide is applied preemergence or postemergence to weed seedlings (not exceeding 6-leaf stage) at recommended dosages, the following broadleaf weeds are controlled:

GROUNDSEL, COMMON KNOTWEED, PROSTRATE

MUSTARD, HEDGE SHEPHERDSPURSE

LAMBSQUARTERS, COMMON

SMARTWEED, PENNSYLVANIA

TIMING AND METHOD OF APPLICATION

For optimum weed control, GALIGAN 2E herbicide should be applied prior to weed emergence. Preemergence applications should be made prior to or immediately after transplanting dormant cottonwood seedlings. Applications must be made prior to bud break of the cottonwood trees.

GALIGAN 2E herbicide should be applied in a minimum of 20 gallons of water per acre depending upon density of emerged weeds. Spray volume should be increased as weed height and density increase. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use.

COTTONWOOD

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- GALIGAN 2E herbicide should only be applied to dormant healthy cottonwood stock.
- Do not apply more than 6 pints (1.5 lbs. active) per treated acre per growing season as a result of single or multiple applications.

EUCALYPTUS

GENERAL INFORMATION

GALIGAN 2E is an effective herbicide for postemergence and preemergence control of certain broadleaf weeds in permanently established eucalyptus (*E. viminalis*, *E. pulverulenta*, *E. camaldulensis*) plantings. In new plantings, GALIGAN 2E herbicide should be applied immediately prior to or immediately following transplanting of dormant eucalyptus seedlings. In established plantings, GALIGAN 2E herbicide may be applied postemergence (over-the-top) or be post-directed to the base of the eucalyptus tree. Applications must only be made prior to bud break to avoid possible phytotoxicity to the eucalyptus foliage. Applications made after bud break may result in injury to the eucalyptus plant and are not recommended.

DOSAGE

HENBIT

Apply 4 to 6 pints (1.0 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre for preemergence and postemergence weed control. The addition of 1 quart of an 80% active nonionic surfactant per 100 gallons of spray mix will assist in spray coverage and wetting of weeds for postemergence control.

WEEDS CONTROLLED

When GALIGAN 2E herbicide is applied preemergence or postemergence to weed seedlings (not exceeding 6-leaf stage) at recommended dosages, the following broadleaf weeds are controlled:

WEEDS CONTROLLED POSTEMERGENCE

CHEESEWEED (MALVA) FIDDLENECK, COAST *FILAREE, BROADLEAF *FILAREE, REDSTEM *FILAREE, WHITESTEM GROUNDSEL, COMMON

MINER'S LETTUCE NETTLE, BURNING PIGWEED, REDROOT REDMAIDS SHEPHERDSPURSE SOWTHISTLE, ANNUAL

*GALIGAN 2E herbicide at the 6-pint rate (1.5 lbs. active) will provide control of filaree up to the 6-leaf stage.

WEEDS CONTROLLED PREEEMERGENCE

BURCLOVER
CHEESEWEED (MALVA)
FIDDLENECK, COAST
FILAREE, BROADLEAF
FILAREE, REDSTEM
FILAREE, WHITESTEM
GROUNDSEL, COMMON
HENBIT
KNOTWEED, PROSTRATE
LAMBSQUARTERS, COMMON

LETTUCE, PRICKLY PIGWEED, REDROOT PURSLANE, COMMON REDMAIDS ROCKET, LONDON SHEPHERDSPURSE SOWTHISTLE, ANNUAL SPURGE, PROSTRATE SPURGE, SPOTTED

TIMING AND METHOD OF APPLICATION

For optimum weed control, GALIGAN 2E herbicide should be applied prior to weed emergence. Postemergence applications should be applied to seedling weeds (up to the 6-leaf stage). Applications must be made prior to bud break of either transplants or established eucalyptus trees.

GALIGAN 2E herbicide should be applied at 20 to 40 psi in a minimum of 20 gallons of water per acre depending upon density of emerged weeds. Spray volume should be increased as weed height and density increase. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use.

EUCALYPTUS SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- GALIGAN 2E herbicide should only be applied to dormant healthy eucalyptus stock.
- Do not apply more than 6 pints (1.5 lbs. active) per treated acre per growing season as a result of single or multiple applications.

FALLOW BED

GROUND OR AERIAL APPLICATION OF GALIGAN 2E HERBICIDE ON FALLOW BEDS GENERAL INFORMATION

GALIGAN 2E is effective as a preemergence and/or postemergence herbicide when used alone or in a tank mix combination with glyphosate (Roundup) for the control of winter annual broadleaf weeds to be planted to the crops listed below.

•				
MINIMUM TREATMENTS-PLANTING INTERVAL				
	GALIGAN 2E HERBICIDE USE RATE			
	up to 1 pint/A	up to 2 pints/A		
DIRECT-SEEDED CROPS				
CARROT	90 DAYS	90 DAYS		
POTATO	60 DAYS	60 DAYS		
SUGARBEET	60 DAYS	90 DAYS		
OTHER ROOT/TUBER CROPS	90 DAYS	90 DAYS		
ONIONS	180 DAYS	180 DAYS		
OTHER BULB VEGETABLES	180 DAYS	180 DAYS		
CABBAGE, CAULIFLOWER	90 DAYS	90 DAYS		
OTHER BRASSICA CROPS	120 DAYS	120 DAYS		
LETTUCE	90 DAYS	120 DAYS		
OTHER LEAFY VEGETABLES (EXCEPT BRASSICA CROPS)	120 DAYS	120 DAYS		
PEPPER	90 DAYS	120 DAYS		
TOMATO	60 DAYS	120 DAYS		
OTHER FRUITING VEGETABLES	120 DAYS	120 DAYS		
CANTALOUPE	60 DAYS	90 DAYS		
SQUASH	90 DAYS	120 DAYS		
WATERMELON	60 DAYS	60 DAYS		
OTHER CUCURBITS	90 DAYS	120 DAYS		
DRY BEANS ·	60 DAYS	60 DAYS		
PEANUT	60 DAYS	60 DAYS		
OTHER LEGUME VEGETABLES	60 DAYS	60 DAYS		
SAFFLOWER	60 DAYS	60 DAYS		

CEREAL GRAINS (includes barley, buckwheat, corn, proso millet, pearl millet, oats, popcorn, rice, rye, sorghum, triticale, wheat, wild rice)	10 MONTHS	10 MONTHS
COTTON AND SOYBEANS	See specific labeling for FALLOW BEDS (COTTON, SOYBEANS) found elsewhere or this label	

TRANSPLANTED CROPS		
BROCCOLI	0 DAYS	30 DAYS
CABBAGE	0 DAYS	30 DAYS
CAULIFLOWER	0 DAYS	30 DAYS
CELERY FO WAVE	30 DAYS	30 DAYS
CONIFER	0 DAYS	0 DAYS
GARLIC	0 DAYS	30 DAYS
GRAPE, KIWI	0 DAYS	0 DAYS
ONION dry 5	0 DAYS	30 DAYS
PEPPER	30 DAYS	30 DAYS
STRAWBERRIES Vanno	30 DAYS	30 DAYS
TOMATO 1/2. S	30 DAYS	30 DAYS
TREE FRUIT, NUTS, CITRUS	0 DAYS	0 DAYS

IMPORTANT: The fallow beds should be worked thoroughly to a depth of at least 2½ inches prior to planting; weed control should not be expected following breaking of the soil surface. FAILURE TO ACHIEVE THOROUGH AND COMPLETE INCORPORATION OR TO FOLLOW THE RECOMMENDED TREATMENT-PLANTING INTERVAL MAY RESULT IN STAND REDUCTION AND/OR VIGOR REDUCTION OF THE PLANTED CROP.

Crop injury may be enhanced if newly seeded crops or transplants are under stress due to drought, flooding, excessive fertilizer or soil salts, low soil temperatures, wind injury, hail, frost damage, injury from previously applied pesticides, or injury due to insects or diseases.

EXERCISE EXTREME CARE TO AVOID HERBICIDE CONTACT WITH ANY DESIRABLE DORMANT OR NON-DORMANT CROP, PLANT, TREE, OR VEGETATION AS SEVERE INJURY MAY RESULT.

GALIGAN 2E HERBICIDE USED ALONE DOSAGE

GALIGAN 2E herbicide may be applied at 1 to 2 pints (0.25 to 0.5 lb. active) per broadcast acre. The lower rate (1 pint per acre) should provide up to 4 weeks of preemergence control of susceptible weeds and provide postemergence control of susceptible weeds (up to 4-leaf stage). The higher rate (2 pints per acre) should provide preemergence control of susceptible weeds for up to 8 weeks and postemergence control of susceptible weeds (up to 6-leaf stage). Best preemergence control is achieved when irrigation or rainfall occurs within 3 to 4 weeks following application.

WEEDS CONTROLLED

ايرا

GALIGAN 2E herbicide should provide preemergence and postemergence* control of the following weeds when used at recommended dosages and weed stage.

CHEESEWEED (MALVA) FIDDLENECK, COAST FILAREE, BROADLEAF FILAREE, REDSTEM GROUNDSEL, COMMON HENBIT MUSTARD SPECIES NETTLE, BURNING REDMAIDS ROCKET, LONDON SHEPHERDSPURSE SOWTHISTLE, ANNUAL

MINER'S LETTUCE

*Thorough spray coverage is essential to maximize the postemergence activity of GALIGAN 2E herbicide. For postemergence control when applied by air, a tank mixture of GALIGAN 2E herbicide with glyphosate (Roundup) is recommended.

GALIGAN 2E is a contact herbicide, therefore, coverage is essential for acceptable postemergence control. If dense weed populations, oversized weed seedlings, volunteer grains, annual grasses, or unfavorable environmental conditions exist, a tank mixture of GALIGAN 2E herbicide with glyphosate (Roundup) for postemergence control is recommended.

TANK MIXES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual C:\Documents and Settings\claire.MANA\Desktop\Galigan DCI\Clean Label Galigan 2E (66222-28)(to EPA 2-2005 for DCI).doc
Page 20 of 56

manufacturers' labels. In interpreting all labels for the tank mix, the most restrictive situations must apply.



DOSAGE

GALIGAN 2E herbicide can be tank mixed with glyphosate (Roundup) to obtain postemergence control of annual grassy weeds, volunteer grains, and broadleaf weeds. Tank mix 1 to 2 pints (0.25 to 0.5 lb. active) of GALIGAN 2E herbicide with labeled rates of glyphosate (Roundup). Apply at the recommended rates and growth stages to susceptible weed species in a manner consistent with the respective labels.

METHOD OF APPLICATION GROUND APPLICATION

GALIGAN 2E herbicide should be applied in a minimum of 5 gallons of water per acre. The volume of water used should be increased as the weeds become taller and more dense. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use.

AERIAL APPLICATION

GALIGAN 2E herbicide should be applied using swirl jet or hollow cone nozzles and a spray pressure less than 40 psi to deliver a minimum spray volume of 10 gallons per acre (minimum 5 GPA for GALIGAN 2E/glyphosate (Roundup) tank mix).

Applications should be made at a height of 6 to 10 feet above the soil surface. It is suggested that the nozzles on the spray booms should not be placed any closer to the wing or rotor tips than 3/4 of the span; this will minimize the formation of spray or wing tip vortice roll. Nozzles should be spaced and positioned to produce a uniform spray pattern and to minimize or eliminate the formation of droplets 100 microns or less in diameter.

IMPORTANT

Aerial applicators must be familiar with this label and follow the use precautions. Spraying GALIGAN 2E herbicide in a manner other than as recommended is done at the user's risk. Users are responsible for all loss or damage that results from such spraying. In addition, aerial applicators should follow all applicable state and local regulations and ordinances. In interpreting the label and local regulations, the most restrictive situations should apply to avoid drift hazards.

FALLOW BED SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.
- Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per acre per fallow season.

FALLOW BED (COTTON, SOYBEANS)

GROUND OR AERIAL APPLICATION OF GALIGAN 2E HERBICIDE ON FALLOW BEDS (TO BE PLANTED TO COTTON OR SOYBEANS)

NOT FOR USE ON FALLOW BEDS TO BE PLANTED TO SOYBEANS IN CALIFORNIA GENERAL INFORMATION

GALIGAN 2E herbicide is effective as a preemergence and/or postemergence herbicide when used alone or in a tank mix combination with glyphosate (Roundup) or paraquat (Gramoxone) for the control of winter annual broadleaf weeds in fallow beds to be planted to cotton or soybeans. Do not apply GALIGAN 2E herbicide within 7 days prior to planting. The fallow beds should be worked thoroughly to a depth of at least 2 inches prior to planting. It is important to thoroughly break the soil surface prior to planting. Weed control should not be expected following breaking of the soil surface.

EXERCISE EXTREME CARE TO AVOID HERBICIDE CONTACT WITH ANY DESIRABLE DORMANT OR NON-DORMANT CROP, PLANT, TREE, OR VEGETATION AS SEVERE INJURY MAY RESULT.

GALIGAN 2E HERBICIDE USED ALONE DOSAGE

GALIGAN 2E herbicide may be applied at 1 to 2 pints (0.25 to 0.5 lb. active) per broadcast acre. The lower rate (1 pint per acre) should provide up to 4 weeks of preemergence control of susceptible weeds and provide postemergence control of susceptible weeds (up to 4-leaf stage). The higher rate (2 pints per acre) should provide preemergence control of susceptible weeds for up to 8 weeks and postemergence control of susceptible weeds (up to 6-leaf stage). Best preemergence control is achieved when irrigation or rainfall occurs within 3 or 4 weeks following application.

WEEDS CONTROLLED

GALIGAN 2E herbicide should provide preemergence and postemergence* control of the following weeds when used at recommended dosages and weed stage.

BUTTERCUP, SMALLFLOWER CHEESEWEED (MALVA)

**EVENINGPRIMROSE, CUTLEAF

FIDDLENECK, COAST FILAREE, BROADLEAF FILAREE, REDSTEM GERANIUM, CAROLINA GROUNDCHERRY, CUTLEAF GROUNDSEL, COMMON

HENBIT

LADYSTHUMB

MINER'S LETTUCE

MUSTARD SPECIES NETTLE, BURNING

OXALIS

PIGWEED, REDROOT PURSLANE, COMMON

REDMAIDS

ROCKET, LONDON SHEPHERDSPURSE SIDA, PRICKLY

SOWTHISTLE. ANNUAL

VELVETLEAF (WILD COTTON)

TANK MIXES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mix, the most restrictive situations must apply.

GALIGAN 2E herbicide can be tank mixed with either glyphosate (Roundup) or paraquat (Gramoxone) to obtain postemergence control of annual grassy weeds, volunteer grains, and broadleaf weeds. Tank mix 1 to 2 pints (0.25 to 0.5 lb. active) of GALIGAN 2E herbicide with labeled rates of either glyphosate (Roundup) or paraguat (Gramoxone). Apply at the recommended rates and growth stages to susceptible weed species in a manner consistent with the respective labels.

OUTSIDE OF CALIFORNIA: For enhanced contact activity (burndown/suppression) to either glyphosate (Roundup) or paraguat (Gramoxone), add GALIGAN 2E herbicide at a rate of 3.5 to 6.5 ounces (0.05 to 0.1 lb. active) per acre to labeled rates of either glyphosate (Roundup) or paraquat (Gramoxone). Apply at the recommended rates and growth stages to susceptible weed species in a manner consistent with the respective

If a fallow bed treatment is applied thirty days or more prior to planting and at least three significant rainfalls (0.25 inch or greater) have occurred following application, cotton or soybeans can be planted directly into the stale seedbed. If these conditions cannot be met, soil incorporation is required as directed above.

METHOD OF APPLICATION **GROUND APPLICATION**

GALIGAN 2E herbicide should be applied in a minimum of 5 gallons of water per acre. The volume of water used should be increased as the weeds become taller and more dense. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use.

AERIAL APPLICATION

GALIGAN 2E herbicide should be applied using swirl jet or hollow cone nozzles and a spray pressure less than 40 psi to deliver a minimum spray volume of 5 gallons per acre (in California, minimum 10 GPA when applied alone or tank mixed with paraquat [Gramoxone]). Applications should be made at a height of 6 to 10 feet above the soil surface. It is suggested that the nozzles on the spray booms should not be placed any closer to the wing or rotor tips than 3/4 of the span; this will minimize the formation of spray or wing tip vortice roll. Nozzles should be spaced and positioned to produce a uniform spray pattern and to minimize or eliminate the formation of droplets 100 microns or less in diameter.

IMPORTANT

Aerial applicators must be familiar with this label and follow the use precautions. Spraying GALIGAN 2E herbicide in a manner other than as recommended is done at the user's risk. Users are responsible for all loss or damage that results from such spraying. In addition, aerial applicators should follow all applicable state and local regulations and ordinances. In interpreting the label and local regulations, the most restrictive situations should apply to avoid drift hazards.

^{*}Thorough spray coverage is essential to maximize the postemergence activity of GALIGAN 2E herbicide. For postemergence control when applied by air, a tank mixture of GALIGAN 2E herbicide with either glyphosate (Roundup) or paraguat (Gramoxone) is recommended.

^{**}Requires maximum rate and/or multiple applications for effective control.

FALLOW BED (COTTON, SOYBEANS) SPECIFIC USE RESTRICTIONS



In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.
- Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per acre per fallow season.
- Do not apply GALIGAN 2E herbicide within 7 days prior to planting of cotton or soybeans.

FALLOW LAND

FOR USE ONLY IN IDAHO, OREGON, AND WASHINGTON GENERAL INFORMATION

GALIGAN 2E herbicide is effective as a preemergence and/or postemergence herbicide when used alone or in a tank mix combination with glyphosate (Roundup) for the control of certain annual broadleaf weeds in a fallow land system. GALIGAN 2E herbicide can be used as an effective tool to reduce weed growth prior to the establishment of a dry soil mulch. Use of this product is restricted to summer fallow land that will be planted back the following year to winter wheat, barley, or oats.

GALIGAN 2E HERBICIDE USED ALONE DOSAGE

GALIGAN 2E herbicide should be used at 0.5 to 2 pints (0.125 to 0.5 lb. active) per broadcast acre.

WEEDS CONTROLLED

GALIGAN 2E herbicide will provide postemergence control and preemergence activity of the following broadleaf weeds when used at recommended dosages.

FIDDLENECK, COAST

HENBIT

LETTUCE, PRICKLY (CHINA LETTUCE)
MUSTARD, BLUE (PURPLE MUSTARD)

MUSTARD, TUMBLE (JIM HILL MUSTARD)

PIGWEED, REDROOT PURSLANE, COMMON SHEPHERDSPURSE SOWTHISTLE, ANNUAL

TIMING AND METHOD OF APPLICATION

The most effective postemergence weed control is achieved when GALIGAN 2E herbicide is applied to seedling weeds (less than 4 inches in height). Seedling weeds are controlled as they come in contact with the soil-applied herbicide during emergence.

GALIGAN 2E herbicide should be applied in 20 to 40 gallons of water per acre depending upon density of emerged weeds. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated before each use.

TANK MIXES WITH GALIGAN 2E HERBICIDE DOSAGE

For postemergence control of annual grassy weeds, GALIGAN 2E herbicide can be tank-mixed with glyphosate (Roundup). Tank mix 0.5 to 2 pints (0.125 to 0.5 lb. active) of GALIGAN 2E with 0.75 to 1 pint (0.38 to 0.5 lb. active) of glyphosate (Roundup) for each acre treated. Refer to the FALLOW AND REDUCED TILLAGE SYSTEM section on the glyphosate (Roundup) label for specific use directions and restrictions. Fill the spray tank at least one-third full of clean water and add the recommended amounts of GALIGAN 2E herbicide and glyphosate (Roundup) while the pump and agitator are running. Complete filling of the spray tank with water. Add 1 quart of a comparable 80% active nonionic surfactant, cleared for use on growing crops, per 100 gallons of spray. Maintain agitation until spraying is complete.

FALLOW LAND SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank
mixture, the most restrictive situations must apply.

GARBANZO BEANS

FOR USE ONLY IN CALIFORNIA AND ARIZONA GENERAL INFORMATION

GALIGAN 2E herbicide is effective as a preemergence herbicide when used alone for the control of certain annual broadleaf weeds in garbanzo beans. Preemergence control is most effective when spray is applied to clean, weed-free soil surfaces. Seedling weeds are controlled as they come in contact with soil-applied herbicide during emergence. Timely cultivations will usually assist in weed control.

Garbanzo beans are tolerant to preemergence applications of GALIGAN 2E herbicide, however, under certain conditions, GALIGAN 2E herbicide can cause severe but temporary crop injury. Heavy splashing rain shortly after crop emergence or wet soil conditions during early growth stages can produce leaf cupping, crinkling, stunting, or defoliation of the garbanzo seedlings. When injury occurs, it is often limited to the first few leaves that develop shortly after crop plants emerge from the soil. Delays in crop development and/or maturity may result. Garbanzo beans do recover from this injury with little to no impact on yield.

GALIGAN 2E HERBICIDE USED ALONE DOSAGE

GALIGAN 2E herbicide is recommended for preemergence control of susceptible winter annual broadleaf weeds at 1 pint (0.25 lb. active) per broadcast acre.

WEEDS CONTROLLED PREEMERGENCE

GALIGAN 2E herbicide used alone at recommended dosages provides preemergence control of the following broadleaf weeds:

GROUNDSEL, COMMON MALLOW, LITTLE (MALVA)

ROCKET, LONDON SHEPHERDSPURSE

TIMING AND METHOD OF APPLICATION

As a preemergence application, apply in a minimum of 20 gallons of water per acre. Use conventional ground spray equipment to make a single broadcast application, after planting but prior to weed and crop emergence, with flat fan or hollow cone nozzles. Spray equipment should be calibrated carefully before each use.

GARBANZO BEANS

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than 1 pint (0.25 lb. active) per broadcast acre of GALIGAN 2E herbicide in a single application.
- Do not feed beans, vines, or hay.

· these and for energy and

A garbar of the GARLIC

GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for postemergence application to direct-seeded and transplanted garlic for early postemergence control of certain annual broadleaf and grass weeds. Initial spray application should be made only when the garlic have reached the development stage specified in the DOSAGE section and the SPECIFIC USE RESTRICTIONS section of this label. On garlic transplants, spray as soon after transplanting as practical. GALIGAN 2E herbicide can cause necrotic lesions, twisting, pigtailing, or stunting of the garlic plants. Injury will be more severe if applications are made immediately following or during cool, wet weather and/or if applications are made prior to the development stage of the garlic plants as specified in the DOSAGE section and the SPECIFIC USE RESTRICTIONS section of this label.

DOSAGE

SEEDED GARLIC

NORTHEASTERN STATES (CONNECTICUT, MAINE, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, RHODE ISLAND, AND VERMONT)

GALIGAN 2E herbicide is recommended for postemergence control at 2 to 4 fluid ounces (0.03 to 0.06 lb. active) per acre when applied postemergence to seeded garlic that have at least three (3) true leaves. Multiple treatments at the aforementioned rate may be applied. Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season.

WESTERN STATES (ARIZONA, COLORADO, IDAHO, NEVADA, NEW MEXICO, OREGON, TEXAS, UTAH, AND WASHINGTON)

GALIGAN 2E herbicide is recommended for postemergence control at 0.5 pints (0.125 lb. active) per acre when applied postemergence to garlic that have at least two (2) true leaves. Multiple treatments at the aforementioned rates may be applied. Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season.

CALIFORNIA ONLY

GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for preemergence use (by air, ground, or sprinkler application), post-direct use when applied by ground equipment, or postemergence (over the top) application when applied via sprinkler irrigation for control of certain broadleaf and grass weeds in garlic in California.

Preemergence Garlic Applications in California

Apply GALIGAN 2E herbicide at a rate of 1pint (0.25 lb. active) per broadcast acre as a preemergence application to garlic. Methods of application may be ground, sprinkler, or aerial.

Ground Application: If applied using ground application equipment, GALIGAN 2E herbicide should be applied in a minimum of 20 gallons per acre. Use conventional ground spray equipment with flat nozzles at 20 to 40 psi.

Sprinkler Chemigation: If GALIGAN 2E herbicide is to be applied via sprinkler irrigation, follow the method of application directions listed for sprinkler chemigation. For application using sprinkler (solid set or portable lateral) irrigation systems, apply specified dosage of GALIGAN 2E per acre as described above. Follow all directions given in the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS - CHEMIGATION when making applications using sprinkler irrigation systems.

Aerial Application: If applied using aerial application, GALIGAN 2E herbicide should be applied using swirl jet or hollow cone nozzles and a spray pressure less than 40 psi to deliver a minimum spray volume of 10 gallons per acre. Applications should be made at a height of 6 to 10 feet above the soil surface. It as suggested that the nozzles on the spray booms should not be placed any closer to the wing or rotor tips than ¾ of the span; this will minimize the formation of spray or wing tip vortice roll. Nozzles should be spaced and positioned to produce a uniform spray pattern and to minimize or eliminate the formation of droplets 100 microns or less in diameter.

Garlic Response to Preemergence Applications With GALIGAN 2E Herbicide: A chlorotic band around some of the leaves may be observed after the first irrigation (or rainfall) following garlic emergence. Symptoms may be more severe if garlic emerges under cool, wet, overcast, or foggy weather. This condition is temporary and should not affect the vigor or development of the garlic plant.

Postemergence (and Directed) Garlic Applications in California

Apply GALIGAN 2E herbicide at rates up to 1 pint (0.25 lb. active) per broadcast acre as a postemergence (or directed) application in garlic. The garlic must be at least 12 inches in height at application. Weeds should be in the seedling stage, young, and actively growing. Methods of application may be post-directed or by sprinkler chemigation.

Post Direct Application: For banded application, the amount of GALIGAN 2E herbicide used per acre should be reduced according to the following formula:

Band Width (in inches)XRate per=Amount Needed per AcreRow Width (in inches)Broadcast Acrefor Banded Application

Accurate, uniform placement of GALIGAN 2E herbicide spray is essential for effective weed control and to minimize garlic injury. As a directed, postemergence application, GALIGAN 2E herbicide should be applied using a low-pressure sprayer using a minimum of 20 gallons of spray on a broadcast acre basis. Apply GALIGAN 2E herbicide as a directed treatment to the soil area at the base of the plants and to the adjacent bed top and furrow areas. Nozzles should be adjusted to cover the weed foliage with minimum contact to the garlic plant. Reduce tractor speed and smooth furrows to minimize excessive bouncing of the spray boom.

Sprinkler Chemigation: If GALIGAN 2E herbicide is to be applied via sprinkler irrigation, follow the method of application directions listed for sprinkler chemigation. For application using sprinkler (solid set or portable lateral) irrigation systems, apply specified dosage of GALIGAN 2E per acre as described above. Follow all directions given in the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS - CHEMIGATION when making applications using sprinkler irrigation systems.

Garlic Response to Postemergence Applications With GALIGAN 2E Herbicide: GALIGAN 2E herbicide may cause chlorotic leaf banding, necrotic lesions, or stunting of the garlic plants. Symptoms will be more severe if applications are made during cool, wet, overcast, or foggy weather. Garlic will outgrow these conditions and continue to develop normally.

Cultural Considerations for use in California

On mineral soils, in order to provide maximum preemergence activity, the soil surface should be smooth and free of excessive trash (clippings, dead weeds, etc.)

Cultural practices that result in redistribution or disturbance of the soil surface after spraying or that mix untreated soil in treated areas will reduce the effectiveness of the treatment. The best results from GALIGAN 2E herbicide are from applications on established beds that are left undisturbed during the time period for which weed control is desired.

ALL OTHER STATES

GALIGAN 2E herbicide is recommended for postemergence control at 0.5 pints (0.125 lb. active) per acre when applied postemergence to garlic that have at least two (2) true leaves. Multiple treatments at the aforementioned rates may be applied. Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season.

TRANSPLANTED GARLIC

Transplanted garlic are most tolerant of a postemergence application immediately after transplanting. For all states except the Northeastern states listed under the DOSAGE - SEEDED GARLIC section, an application of up to 2 pints (0.5 lb. active) per acre within two days after transplanting may be made. If less than 2½ pints per acre are applied, a second application can be made two weeks or more after transplanting. Do not exceed the maximum use rate of 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season.

For transplanted garlic in the Northeastern states, apply the same rates listed in the DOSAGE-SEEDED GARLIC section within two days after transplanting.

Dosages listed are for broadcast application. For banded application, the amount of GALIGAN 2E herbicide used per acre should be reduced according to the following formula:

Х

Band Width (in inches) Row Width (in inches)

Rate per Broadcast Acre Amount Needed per Acre for Banded Application

WEEDS CONTROLLED

GALIGAN 2E herbicide will provide postemergence control of the following weeds when applied at the recommended dosage and leaf stage (2 to 4 leaves).

CARNARYGRASS (ANNUAL) EVENINGPRIMROSE, CUTLEAF GROUNDSEL, COMMON MALLOW, LITTLE (MALVA) NIGHTSHADE, BLACK

*PIGWEED, PROSTRATE *PIGWEED REDROOT

PUNCTUREVINE *PURSLANE, COMMON ROCKET, LONDON SAGE, LANCELEAF *SHEPHERDSPURSE SOWTHISTLE, ANNUAL

*Specific weeds controlled at rates recommended for use in Northeastern States (see DOSAGE section).

TIMING AND METHOD OF APPLICATION

For best postemergence control of susceptible weeds, apply when the weeds are in the 2- to 4-leaf stage. Application of GALIGAN 2E herbicide after the weeds exceed the maximum leaf stage may result in reduced weed control. More than one postemergence application may be necessary to control subsequent weed flushes. GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentration and applied in a minimum of 40 gallons of water per acre. Use conventional ground spray equipment with flat fan spray nozzles at 20 to 40 psi. Accurately calibrate spray equipment prior to each use. Avoid drift to all other crops and nontarget areas. Thoroughly flush the spray equipment (tank, hose, pump, boom) with water before and after each use. Residual GALIGAN 2E herbicide remaining in spray equipment may damage other crops.

GARLIC

SPECIFIC-USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- In all states except Northeastern states, do not start spraying until the garlic (direct-seeded) have two (2) fully developed true leaves. In the Northeastern states (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, Vermont), do not start spraying until the garlic (direct-seeded) have three (3) fully developed true leaves. Applications made prior to the recommended garlic development stage may result in serious injury and are not recommended.
- Do not apply more than a total of 2 pints (0.5 lb. active) per acre of GALIGAN 2E herbicide during one use season.
- Do not apply within 60 days of harvest.
- Use only on dry bulb garlic.
- Do not apply to garlic grown for seed.
- Tank mixtures of GALIGAN 2E herbicide with oils, surfactants, liquid fertilizers, or pesticides may result in enhanced crop response-injury and are the responsibility of the user.
- Do not apply GALIGAN 2E herbicide preemergence to direct-seeded garlic.
- Do not apply to garlic plants that are under stress due to drought, flooding, excessive fertilizer or soil salts. storage conditions, wind injury, hail, frost damage, injury from previously applied pesticides, or injury due to insects, nematodes, or diseases.

GUAVA

FOR USE ONLY IN HAWAII **GENERAL INFORMATION**

GALIGAN 2E is effective as a preemergence herbicide when used alone for the control of certain annual broadleaf weeds in bearing and nonbearing guava plantings.

For postemergence control of certain grassy and broadleaf weeds, a tank mixture of either paraquat (Gramoxone) or glyphosate (Roundup) with GALIGAN 2E herbicide can be applied to seedling weeds. Check individual labels to determine suitability and use rates for crop.

GALIGAN 2E HERBICIDE USED ALONE DOSAGE

GALIGAN 2E herbicide is recommended for postemergence control of susceptible weeds at 2 to 8 pints (0.5 to 2.0 lbs. active) per broadcast acre.

For preemergence control of susceptible weeds, use 5 to 8 pints (1.25 to 2.0 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE

Apply 2 to 8 pints (0.5 to 2.0 lbs. active) of GALIGAN 2E herbicide per broadcast acre. Applications to weeds beyond the 4-leaf stage may result in partial control.

PURSLANE, COMMON

SPURGE, GARDEN

WEEDS CONTROLLED PREEMERGENCE

Apply 5 to 8 pints (1.25 to 2.0 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

AGERATUM BUTTONWEED CROTALARIA PURSLANE, COMMON SPURGE, GARDEN

TIMING AND METHOD OF APPLICATION

Treatments should be applied only to healthy guava trees. Care must be taken to prevent direct spray or drift from contacting green stems, fruit, or foliage as injury may result. Applications should be made only after new foliage has hardened off or injury may result.

As a preemergence or postemergence treatment to weeds, apply in a minimum of 15 gallons of water per acre. Use higher volumes to assure adequate coverage in high densities of emerged weeds or heavy trash. GALIGAN 2E herbicide should be directed to the soil and the base of the tree. Use of a low-pressure sprayer equipped with a breakaway boom and flat fan or off-center (OC) nozzles is recommended. An off-center nozzle positioned at the end of the boom may be desired. Spray shields are suggested for use in young trees.

TANK MIXES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

DOSAGE

For postemergence control of susceptible grassy and broadleaf weeds in guava plantings, a tank mixture of GALIGAN 2E herbicide with either paraquat (Gramoxone) or glyphosate (Roundup) can be used. Apply at recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

WEEDS CONTROLLED POSTEMERGENCE

In addition to the weeds controlled by GALIGAN 2E herbicide used alone, control of susceptible weeds listed in the respective labels for the following products is also obtained:

Paraquat (Gramoxone)

Glyphosate (Roundup)

GUAVA

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than 8 pints (2.0 lbs. active) per broadcast acre of GALIGAN 2E herbicide in a single application or more than 16 pints (4.0 lbs. active) per season.
- Do not apply GALIGAN 2E herbicide within 1 day of harvest.
- Direct spray toward the base of the trees. Avoid direct plant contact.
- GALIGAN 2E herbicide or any of the combinations recommended on this label should be applied only to healthy growing trees.
- GALIGAN 2E applications should be made only after new foliage has hardened off.

HORSERADISH

GENERAL INFORMATION

GALIGAN 2E is a selective herbicide recommended for preemergence control of certain broadleaf weeds. Applications must be made after the horseradish roots have been planted and prior to plant emergence. (Emerged plants that receive direct or indirect (drift) spray contact will be injured.) It may be desirable to cultivate

immediately prior to application to remove germinated weeds.

Do not use GALIGAN 2E herbicide on horseradish plantings that are weak or under stress due to temperature disease, fertilizer, nematodes, insects, pesticides, drought, or excessive moisture.

DOSAGE

Apply GALIGAN 2E herbicide at a rate of 2 pints (0.5 lb. active) per broadcast acre as a preemergence application to horseradish.

WEEDS CONTROLLED

GALIGAN 2E herbicide will provide preemergence control of the following weeds when used at the recommended

LAMBSQUARTERS, COMMON

PIGWEED, REDROOT

PURSLANE, COMMON

SHEPHERDSPURSE

SMARTWEED, PENNSYLVANIA

TIMING AND METHOD OF APPLICATION

GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentrations and applied in a minimum of 20 gallons of water per acre. Use conventional ground spray equipment with flat fan nozzles at 20 to 40 psi. Accurately calibrate spray equipment prior to each use.

HORSERADISH

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per broadcast acre as a single and per application, and

JOJOBA

GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for postemergence and preemergence control of certain broadleaf weeds in jojoba. GALIGAN 2E herbicide should be post-directed to the base of the jojoba plant to avoid possible phytotoxicity to the jojoba foliage. Over-the-top applications may exhibit burning, crinkling, or bronzing of jojoba foliage, particularly to the youngest leaves, flowers, or buds present at the time of application.

DOSAGE

GALIGAN 2E herbicide is recommended for postemergence and preemergence control of susceptible seedling weeds (up to 12 inches in height) at 6 pints (1.5 lbs. active) per broadcast acre. For optimum residual control, apply during the fall or winter. For early postemergence control of susceptible seedling weeds (less than 8 inches in height), apply GALIGAN 2E herbicide at a rate of 4 pints (1.0 lb. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE

FIDDLENECK, COAST

**FILAREE, BROADLEAF

**FILAREE. REDSTEM

**FILAREE, WHITESTEM

*GROUNDSEL, COMMON

HENBIT

MINER'S LETTUCE NETTLE, BURNING *PIGWEED. REDROOT

REDMAIDS

SHEPHERDSPURSE

SOWTHISTLE, ANNUAL

MALLOW, LITTLE (MALVA, CHEESEWEED)

*Highest rate may be required for acceptable postemergence control.

**GALIGAN 2E herbicide at the 6-pint rate (1.5 lbs. active) will provide control of filaree not exceeding the 4-inch stage. Applications to filaree beyond the 4-inch stage may result in partial control.

WEEDS CONTROLLED PREEMERGENCE

BURCLOVER

FIDDLENECK, COAST

FILAREE BROADLEAF

FILAREE, REDSTEM

FILAREE, WHITESTEM

GROUNDSEL, COMMON

HENBIT

KNOTWEED, PROSTRATE

LAMBSQUARTERS, COMMON

LETTUCE, PRICKLY

MALLOW, LITTLE (MALVA, CHEESEWEED)

PIGWEED, REDROOT

PURSLANE, COMMON

REDMAIDS

ROCKET, LONDON

SHEPHERDSPURSE

SOWTHISTLE, ANNUAL

TIMING AND METHOD OF APPLICATION

Apply the first application of GALIGAN 2E herbicide after jojoba plants have grown to a minimum 6-inch height or greater. Additional applications should be applied as needed for post and preemergence weed control. Weed height should not exceed 12 inches or unsatisfactory weed control may result.

GALIGAN 2E herbicide should be applied in a minimum spray volume of 40 gallons of water per acre depending upon density of emerged weeds. Spray volume should be increased as weed height and density increase. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use.

JOJOBA

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Avoid direct spray or drift contact of GALIGAN 2E herbicide with jojoba flowers or buds as severe injury may result.
- Do not apply more than 6 pints (1.5 lbs. active) per broadcast acre in a single application.

MINT (SPEARMINT, PEPPERMINT)

FOR USE IN CALIFORNIA, IDAHO, MONTANA, NEVADA, OREGON, SOUTH DAKOTA, UTAH AND **WASHINGTON**

GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for the control of certain annual grasses and broadleaf weeds in spearmint and peppermint grown in California, Idaho, Montana, Nevada, Oregon, South Dakota, Utah, and Washington. Applications should only be made to spearmint and peppermint that are dormant.

METHOD OF APPLICATION

Application must be made prior to new spring growth or severe crop injury may result. GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentration and applied at 20 to 40 psi in 20 to 40 gallons of water per acre.

WEEDS CONTROLLED

When GALIGAN 2E herbicide is applied as a dormant application at recommended dosages in spearmint and peppermint, the following annual weeds are controlled:

BEDSTRAW, CATCHWEED

*BLUEGRASS, ANNUAL

FLIXWEED

GROUNDSEL, COMMON LAMBSQUARTERS, COMMON

LETTUCE, PRICKLY (CHINA LETTUCE)

MUSTARD, BLUE (PURPLE MUSTARD)

MUSTARD TUMBLE (JIM HILL MUSTARD)

NIGHTSHADE, HAIRY

*OATS, WILD ORACH, RED

PEPPERWEED, YELLOWFLOWER

PIGWEED, REDROOT *RYEGRASS, ITALIAN

SHEPHERDSPURSE

SOWTHISTLE, ANNUAL

TANSYMUSTARD

THISTLE, RUSSIAN

*Control of annual grasses is best obtained when GALIGAN 2E herbicide is applied prior to emergence. Postemergence control of winter annual grasses is generally unsatisfactory if applications are made after the 1- to 2-leaf stage.

WESTERN OREGON

PEPPERMINT (WILLAMETTE VALLEY)

Apply 2 to 3 pints (0.5 to 0.75 lb. active) of GALIGAN 2E herbicide from November to February to dormant peppermint only. Treatments in January or February generally provide better residual preemergence control of annual broadleaf weeds. Full season weed control should not be expected from this treatment.

DO NOT APPLY GALIGAN 2E HERBICIDE IN THE WILLAMETTE VALLEY TO MINT THAT HAS BEEN PLOWED.

OREGON AND WASHINGTON (EAST OF CASCADES), CALIFORNIA, MONTANA, IDAHO, NEVADA, SOUTH DAKOTA, AND UTAH

SPEARMINT AND PEPPERMINT

Apply 4 to 6 pints (1.0 to 1.5 lbs. active) of GALIGAN 2E herbicide from December through March to dormant mint only. Later winter applications will provide maximum activity on summer weeds. Summer grass control may be inconsistent. For best results, fall-plowed fields should be harrowed to provide a smooth surface prior to application. Plowed fields should not be harrowed after GALIGAN 2E herbicide has been applied as soil disturbance will decrease the herbicidal effectiveness. In furrow-irrigated fields, corrugating must be done prior to

application. Corrugating after application can cover treated rows with untreated soil resulting in poor weed control.

MINT (SPEARMINT AND PEPPERMINT)

(FOR USE IN CALIFORNIA, IDAHO, MONTANA, NEVADA, OREGON, SOUTH DAKOTA, UTAH AND WASHINGTON)

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTICTIONS listed at the end of this label.

- Do not apply more than one application of GALIGAN 2E herbicide per season.
- Apply GALIGAN 2E herbicide only to healthy spearmint and peppermint. Do not apply to spearmint or peppermint that has been weakened by disease, drought, flooding, excessive fertilizer, soil salts, previously applied pesticides, nematodes, soil insects, or winter injury as severe injury may result.

MINT (SPEARMINT, PEPPERMINT) GROWN ON MUCK SOILS ONLY IN

INDIANA, MICHIGAN, MONTANA, NORTH DAKOTA, SOUTH DAKOTA, WISCONSIN

GENERAL INFORMATION

Galigan 2E herbicide is a selective herbicide that can be used for the control of certain annual broadleaf weeds in dormant spearmint and peppermint. Applications should be made prior to the emergence of spearmint and peppermint that is grown on muck soils. Applications made after the spearmint and peppermint emerge will result in severe injury.

Applications to first year spearmint and peppermint should be made within four (4) days of planting (sprigging) to prevent excessive injury.

WEEDS CONTROLLED POSTEMERGENCE AND PREEMERGENCE

When Galigan 2E herbicide is applied at recommended dosages in spearmint and peppermint, the following weeds are controlled:

KNOTWEED, PROSTRATE PIGWEED, REDROOT

PURSLANE, COMMON

DOSAGE

Galigan 2E herbicide should be applied at a rate of 4 to 6 pints (1.0 to 1.5 lb. active ingredient) per acre. When used postemergence (to the weeds) add an 80% active nonionic surfactant at the rate of one quart per 100 gallons of spray solution. Applications should be made before the weeds exceed four inches. It is important that applications of Galigan 2E herbicide be made prior to the emergence of the spearmint and peppermint. Galigan 2E herbicide should be thoroughly mixed with clean water at recommended concentrations and applied in 20 to 40 gallons of water per acre. Apply at 20 to 40 psi.

MINT (SPEARMINT, PEPPERMINT)

(FOR USE ON MINT GROWN ON MUCK SOILS ONLY IN INDIANA, MICHIGAN, MONTANA, NORTH DAKOTA, SOUTH DAKOTA, WISCONSIN)

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTICTIONS listed at the end of this label.

- Apply Galigan 2E herbicide only to spearmint and peppermint grown on muck soils muck soils should have an organic matter of 20% or greater.
- Always apply Galigan 2E herbicide to healthy spearmint and peppermint. Do not apply Galigan 2E herbicide
 to spearmint or peppermint that has been weakened by disease, nematodes, soil insects, or winter injury, as
 severe injury may result.
- Do not apply Galigan 2E herbicide to spearmint or peppermint that has emerged.
- Applications of Galigan 2E herbicide to first-year spearmint or peppermint should be made within four (4) days
 of planting (sprigging).

NON-CROP USE ON RIGHT-OF-WAY SITES

(SUCH AS FENCE ROWS, STORAGE AREAS, UTILITY RIGHT-OF-WAYS, NONGRAZED MEADOWS, ROADSIDES, FARMSTEADS, ETC.)

GENERAL INFORMATION

GALIGAN 2E herbicide is recommended for postemergence and preemergence control of certain broadleaf weeds in non-crop areas.

WEEDS CONTROLLED POSTEMERGENCE (weeds up to 4 inches high)

Apply 2 to 6 pints (0.5 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre. Applications to weeds beyond the 4-inch stage may result in partial control.

C:\Documents and Settings\claire.MANA\Desktop\Galigan DCI\Clean Label Galigan 2E (66222-28)(to EPA 2-2005 for DCI).doc Page 30 of 56

MALLOW, LITTLE (MALVA) MILE-A-MINUTE PIGWEED, REDROOT PURSLANE, COMMON SHEPHERDSPURSE WITCHWEED (North and South Carolina)*

WEEDS CONTROLLED PREEMERGENCE

Apply 5 to 6 pints (1.25 to 1.5 lbs. active) per broadcast acre.

KNOTWEED, PROSTRATE
LAMBSQUARTERS, COMMON
LETTUCE, PRICKLY
MALLOW, LITTLE (MALVA)
MILE-A-MINUTE

PIGWEED, REDROOT PURSLANE, COMMON SHEPHERDSPURSE

WITCHWEED (North and South Carolina)*

*Applications must be applied to witchweed plants before blooms form to prevent the production of viable seed.

TIMING AND METHOD OF APPLICATION

GALIGAN 2E should be applied in a minimum of 40 gallons of water per acre (10 gallons of water per acre for witchweed control in North and South Carolina). Best preemergence results are achieved when spray is applied to a relatively weed free soil surface. The volume of water used should be increased as the weeds become taller and more dense. Use a low-pressure sprayer equipped with flat fan nozzles. Spray equipment should be calibrated carefully before each use. The use of an 80% active nonionic surfactant should be added to the spray mixture at a rate of 0.125% v/v (1 pint per 100 gallons of spray mix) when using for the control of witchweed in North and South Carolina.

TANK MIXES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply. **DOSAGE**

For preemergence control of susceptible grassy and broadleaf weeds, a tank mixture of GALIGAN 2E herbicide with diuron or simazine can be applied. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

For postemergence control of susceptible grass and broadleaf weeds, a tank mixture with paraquat (Gramoxone) or glyphosate (Roundup) with GALIGAN 2E herbicide can be used. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

• Do not feed or allow animals to graze on any areas treated with GALIGAN 2E herbicide.

and Dry Res ONIONS

GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for postemergence application to direct-seeded and transplanted onions for early postemergence control of certain annual broadleaf and grass weeds. Initial spray application should be made only when the onions have reached the development stage specified in the DOSAGE section and the SPECIFIC USE RESTRICTIONS section of this label. On onion transplants, spray as soon before or after transplanting as practical. GALIGAN 2E herbicide can cause necrotic lesions, twisting, pigtailing, or stunting of the onion plants. Injury will be more severe if applications are made immediately following or during cool, wet weather and/or if applications are made prior to the development stage of the onion plants as specified in the DOSAGE section and the SPECIFIC USE RESTRICTIONS section of this label.

DOSAGE

SEEDED ONIONS

NORTHEASTERN STATES (CONNECTICUT, MAINE, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, RHODE ISLAND, AND VERMONT)

GALIGAN 2E herbicide is recommended for postemergence control at 2 to 4 fluid ounces (0.03 to 0.06 lb. active) per acre when applied postemergence to seeded onions that have at least three (3) true leaves. Multiple treatments at the aforementioned rate may be applied. Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season.

WESTERN STATES (ARIZONA, CALIFORNIA, COLORADO, IDAHO, NEVADA, NEW MEXICO, OREGON, TEXAS, UTAH, AND WASHINGTON)

GALIGAN 2E herbicide is recommended for postemergence control at 0.5 pints to 1 pint (0.125 to 0.25 lb. active) per acre when applied postemergence to onions that have at least two (2) true leaves. Multiple treatments at the aforementioned rates may be applied. Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of

GALIGAN 2E herbicide as a result of multiple applications in one season. Sprinkler Chemigation: For application using sprinkler irrigation (solid set, portable lateral, center pivot, continuous lateral move, side (wheel) roll) systems, apply specified dosage of GALIGAN 2E per acre as described in this section. Follow all directions given in the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION when making applications using sprinkler irrigation systems.

ALL OTHER STATES

GALIGAN 2E herbicide is recommended for postemergence control at 0.5 pints (0.125 lb. active) per acre when applied postemergence to onions that have at least two (2) true leaves. Multiple treatments at the aforementioned rates may be applied. Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season.

TRANSPLANTED ONIONS

POST-TRANSPLANT: Transplanted onions are most tolerant of a postemergence application immediately after transplanting.

For all states except the Northeastern states listed under the DOSAGE-SEEDED ONIONS section above, an

For all states except the Northeastern states listed under the DOSAGE-SEEDED ONIONS section above, an application of up to 2 pints (0.5 lb. active) per acre within two days after transplanting may be made. If less than 2 pints per acre are applied, a second application can be made two weeks or more after transplanting. Do not exceed the maximum use rate of 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season. Sprinkler Chemigation: For application using sprinkler irrigation (solid set, portable lateral, center pivot, continuous lateral move, side (wheel) roll) systems, apply specified desage of GALIGAN 2E per acre as described in this section. Follow all directions given in the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION when making applications using sprinkler irrigation systems.

For transplanted onions in the Northeastern states, apply the same rates listed in the DOSAGE-SEEDED ONIONS section within two days after transplanting.

PRE-TRANSPLANT: (Not for use in Northeastern or Western states except as specifically directed on other approved supplemental labeling.) GALIGAN 2E herbicide is recommended for use as a pre-transplant application at 1 to 2 pints (0.25 to 0.5 lb. active) per broadcast acre. Applications must be made after completion of soil preparation but prior to transplanting of onion plants. Transplanting should be completed with minimal soil disturbance. Treated soil surfaces should be left undisturbed after transplanting to obtain greatest benefit of GALIGAN 2E herbicide on susceptible annual broadleaf weeds during the time period for which weed control is desired. However, timely cultivations after weed emergence will assist in weed control. If less than 2 pints per acre are applied as a preplant treatment, postemergence applications can be made as instructed in the DOSAGE-SEEDED ONIONS section of this label. Do not exceed the maximum use rate of 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season.

Dosages listed are for broadcast application. For banded application, the amount of GALIGAN 2E herbicide used per acre should be reduced according to the following formula:

Χ

Band Width (in inches)
Row Width (in inches)

Rate per Broadcast Acre Amount Needed per Acre for Banded Application

WEEDS CONTROLLED

GALIGAN 2E herbicide will provide postemergence control of the following weeds when applied at the recommended dosage and leaf stage (2 to 4 leaves):

CARNARYGRASS (ANNUAL)

^aEVENINGPRIMROSE, CUTLEAF GROUNDSEL, COMMON

MALLOW, LITTLE (MALVA) NIGHTSHADE, BLACK

PIGWEED, PROSTRATE

ab PIGWEED, REDROOT

PUNCTUREVINE

ab PURSLANE, COMMON ROCKET, LONDON SAGE, LANCELEAF b SHEPHERDSPURSE

SOWTHISTLE, ANNUAL

^aWeeds controlled when applied as a pre-transplant application. In addition, GALIGAN 2E herbicide at the rate of 1 to 2 pints per acre will provide control/suppression of carpetweed, Pennsylvania smartweed, galinsoga, common lambsquarters, and wild mustard. Applications of GALIGAN 2E herbicide to muck soils may result in partial control or suppression of the weeds listed.

^b Specific weeds controlled at rates recommended for use in Northeastern states (see DOSAGE section).

TIMING AND METHOD OF APPLICATION

For best postemergence control of susceptible weeds, apply when the weeds are in the 2- to-4-leaf stage. Application of GALIGAN 2E herbicide after the weeds exceed the maximum leaf stage may result in reduced

weed control. More than one postemergence application may be necessary to control subsequent weed flushes.

GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentration and applied in a minimum of 40 gallons of water per acre. Use conventional ground spray equipment with flat fan spray nozzles at 20 to 40 psi. Accurately calibrate spray equipment prior to each use. Avoid drift to all other crops and nontarget areas. Thoroughly flush the spray equipment (tank, hose, pump, boom) with water before and after each use. Residual GALIGAN 2E herbicide remaining in the spray equipment may damage other crops.

ONIONS

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- In all states except Northeastern states, do not start spraying until the onions (direct-seeded) have two (2) fully developed true leaves. In the Northeastern states (Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, Vermont), do not start spraying until the onions (direct-seeded) have three (3) fully developed true leaves. Applications made prior to the recommended onion development stage may result in serious injury and are not recommended.
- Do not apply more than a total of 2 pints (0.5 lb. active) per acre of GALIGAN 2E herbicide during one use season.
- Do not apply within 45 days of harvest,
- Use only on dry bulb onions.
- Do not apply to onions grown for seed except as specified below or on other approved supplemental labeling.
- Tank mixtures of GALIGAN 2E herbicide with oils, surfactants, liquid fertilizers, or other pesticides may result in enhanced crop response/injury and are the responsibility of the user.
- Do not apply GALIGAN 2E herbicide preemergence to direct-seeded onions.
- Do not apply to onion plants that are under stress due to drought, flooding, excessive fertilizer or soil salts, storage conditions, wind injury, hail, frost damage, injury from previously applied pesticides, or injury due to insects, nematodes, or diseases.

ONIONS GROWN FOR SEED

GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for postemergence application to onions grown for seed for early postemergence control of certain annual broadleaf and grassy weeds. Initial spray application should be made only when the onions have reached the development stage specified in the DOSAGE section and the SPECIFIC USE RESTRICTIONS section of this label. GALIGAN 2E herbicide can cause necrotic lesions, twisting, pigtailing, or stunting of the onion plants. Injury will be more severe if applications are made immediately following or during cool, wet weather and/or if applications are made prior to the development stage of the onion plants as specified in the DOSAGE section and the SPECIFIC USE RESTRICTIONS section of this label.

NOTE: Some varieties or inbred lines of onions may be more susceptible to GALIGAN 2E herbicide. Care should be taken to insure that the particular onion variety or line being grown is tolerant to GALIGAN 2E herbicide. It is suggested that all onion varieties or lines be tested in limited areas to ensure an adequate level of crop tolerance prior to an application for postemergence weed control.

WEEDS CONTROLLED

*PIGWEED, REDROOT

GALIGAN 2E herbicide will provide postemergence control of the following weeds when applied at the recommended dosage and leaf stage (2 to 4 leaves):

CANARYGRASS (ANNUAL)
EVENINGPRIMROSE, CUTLEAF
GROUNDSEL, COMMON
MALLOW, LITTLE (MALVA)
NIGHTSHADE, BLACK
*PIGWEED, PROSTRATE

PUNCTUREVINE
*PURSLANE, COMMON
ROCKET, LONDON
SAGE, LANCELEAF
SHEPHERDSPURSE
SOWTHISTLE, ANNUAL

*Specified weeds controlled at rates recommended for use in Northeastern states (see DOSAGE section).

DOSAGE

NORTHEASTERN STATES (CONNECTICUT, MAINE, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, RHODE ISLAND, AND VERMONT)

GALIGAN 2E herbicide is recommended for postemergence control at a maximum use rate of 2 fluid ounces (0.03 lb. active) per acre when applied postemergence to seeded onions that have at least four (4) true leaves.

Multiple treatments at the aforementioned rate may be applied. Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide as a result of multiple applications in one season.

ALL OTHER STATES

GALIGAN 2E herbicide is recommended for postemergence control at a maximum use rate of 0.5 pints (0.125 lb. active) per acre when applied postemergence to onions that have at least three (3) true leaves. Multiple treatments at the aforementioned rate may be applied. Do not apply more than 2 pints (0.5 lb. active) per broadcast acre of GALIGAN 2E herbicide in one season.

TIMING AND METHOD OF APPLICATION

For best postemergence control of susceptible weeds, apply when the weeds are in the 2- to-4-leaf stage. Application of GALIGAN 2E herbicide after the weeds exceed the maximum leaf stage may result in reduced weed control. More than one postemergence application may be necessary to control subsequent weed flushes.

GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentrations and applied in a minimum of 40 gallons of water per acre. Use conventional ground spray equipment with flat fan spray nozzles at 20 to 40 psi. Do not exceed 40 psi. Accurately calibrate spray equipment prior to each use. Thoroughly flush the spray equipment (tank, hose, pump, boom) with water before and after each use. Residual GALIGAN 2E herbicide remaining in the spray equipment may damage other crops.

CHEMIGATION: For application using sprinkler irrigation (solid set or portable lateral) systems, apply specified dosage of GALIGAN 2E per acre as described above. Follow all directions given in the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION when making applications using sprinkler irrigation systems.

DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT. AVOID DRIFT TO ALL NONTARGET AREAS. GALIGAN 2E HERBICIDE IS PHYTOTOXIC TO PLANT FOLIAGE.

ONIONS GROWN FOR SEED SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- In all states, do not start spraying until the onions have reached the minimum leaf stage specified in the DOSAGE section of this label. Applications made prior to recommended onion development stage may result in serious injury and are not recommended.
- Do not apply more than a total of 2 pints (0.5 lb. active) per acre of GALIGAN 2E herbicide during one use season.
- Do not apply within 60 days of harvest.
- Do not mix GALIGAN 2E herbicide with oils, surfactants, liquid fertilizers, or other pesticides except as specified on the GALIGAN label.
- Do not apply to onion plants that are under stress due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, injury from previously applied pesticides, or injury due to insects or diseases.

PAPAYA

FOR USE ONLY IN HAWAII GENERAL INFORMATION

GALIGAN 2E is a selective herbicide for use as a post-directed application for broadleaf weed control in papaya. Occasionally, after the use of GALIGAN 2E herbicide, a spotting, crinkling, or flecking may appear on the leaves of the papaya. Leaves or green stalks that receive direct or indirect (drift) spray contact will be injured.

Do not use GALIGAN 2E herbicide on papaya plantings that are weak or under stress due to temperature, disease, fertilizer, nematodes, insects, pesticides, drought, or excessive moisture.

DOSAGE AND TIMING

Apply GALIGAN 2E herbicide at a rate of 4 pints (1.0 lb. active) per broadcast acre as a directed spray to the orchard floor. The initial application should occur no earlier than 4 months after transplanting or 6 months after direct seeding, and after the papaya has reached a minimum height of 4 feet. Applications may be repeated at approximate 4-month intervals.

GALIGAN 2E herbicide provides effective control of susceptible weed seedlings in the 4-leaf stage. Do not apply more than 4.0 pints (1.0 lb. active) of GALIGAN 2E per broadcast acre in a single application or more than 12.0 pints (3.0 lbs. active) per broadcast acre per year as a result of multiple applications.

WEEDS CONTROLLED

GALIGAN 2E herbicide will provide preemergence and postemergence control of the following weeds when used at the recommended dosage. Application to weeds beyond the 4-leaf stage may result in partial control:

SPURGE, GARDEN

AMARANTH, SPINY PURSLANE, COMMON



METHOD OF APPLICATION

GALIGAN 2E herbicide should be thoroughly mixed with clean water at recommended concentrations and applied in a minimum of 15 gallons of water per broadcast acre. Accurately calibrate spray equipment prior to each use.

Accurate, uniform placement of GALIGAN 2E herbicide is essential for effective weed control and to minimize crop injury. GALIGAN 2E must be applied as a directed spray to the orchard floor beneath the papaya plants. Do not allow the herbicide solution, spray, drift, or mist to contact green bark, stems, fruit, or foliage as injury may result. GALIGAN 2E herbicide must be applied using rigid precision ground sprayer equipment.

PAPAYA

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not allow herbicide solution, spray, drift, or mist to contact green bark, stems, fruit, or foliage as injury may result.
- Do not apply more than 4.0 pints (1.0 lb. active) of GALIGAN 2E herbicide per broadcast acre in a single directed spray or more than 12 pints (3.0 lbs. active) per broadcast acre per year as a result of multiple applications.
- Do not apply GALIGAN 2E herbicide within 1 day of harvest.
- For use only on papaya grown in Hawaii.

SOYBEANS

NOT FOR USE IN CALIFORNIA GENERAL INFORMATION

GALIGAN 2E is effective as a preemergence and postemergence (post-directed) herbicide for the control of broadleaf weeds in soybeans. Applications can be made early preplant in conservation tillage soybeans, preemergence in no-till (double-crop) and conventional soybeans, or post-directed in conventional till soybeans. Seedling weeds are controlled as they come in contact with the herbicide either during emergence or through a post-directed application. Follow specific use directions and restrictions for recommended use and timing of applications.

Soybeans are tolerant to preemergence and post-directed applications of recommended dosages of GALIGAN 2E herbicide; however, under certain conditions, GALIGAN 2E herbicide can cause temporary injury. Heavy splashing rain shortly after crop emergence or cold, wet soil conditions during early growth stages can produce leaf cupping and crinkling. When injury occurs, it is generally limited to the first few leaves that develop shortly after crop plants emerge from the soil. Soybeans recover from this injury and yields are not adversely affected. Soybean leaves that are accidentally sprayed during a post-directed application will exhibit necrotic spotting and injury to the soybean plant. Therefore, care must be exercised to avoid spray contact with the soybean leaves.

DOSAGE AND TIMING CONSERVATION TILLAGE SOYBEANS EARLY PREPLANT

GALIGAN 2E herbicide is effective for preemergence and postemergence control of susceptible broadleaf weeds when surface applied at 1½ to 3 pints (0.38 to 0.75 lb. active) per broadcast acre to the stale seedbed prior to the planting of conservation tillage soybeans. It is suggested that applications be made approximately 14 days prior to planting. The higher rate of 2 to 3 pints (0.5 to 0.75 lb. active) will assist in early season annual grass control. However, GALIGAN 2E herbicide must not be a basic portion of the grass herbicide program. A planned program utilizing herbicides registered for early preplant, preemergence, or postemergence grass control in soybeans is recommended.

The use of ridge or slot planters or other planting equipment that results in minimal soil disturbance is recommended. Soil surfaces should not be disturbed as the herbicidal effectiveness of GALIGAN 2E may be decreased. Seedling weeds are controlled as they come in contact with the soil-applied herbicide during emergence. Timely cultivations will usually assist in weed control.

NO-TILL (DOUBLE-CROP) SOYBEANS PREEMERGENCE

GALIGAN 2E herbicide is effective for preemergence and postemergence control of susceptible broadleaf weeds when applied at 0.5 to 2 pints (0.125 to 0.5 lb. active) per broadcast acre. For postemergence control of certain grassy and broadleaf weeds, a tank mix of either paraquat (Gramoxone) or glyphosate (Roundup) with GALIGAN 2E herbicide can be used. For residual grass control in no-tillage soybeans, a tank mixture of Bronco[®], Dual,

Lasso, or Surflan with GALIGAN 2E herbicide or combinations of GALIGAN 2E herbicide plus paraguat (Gramoxone) or glyphosate (Roundup) can be used. Follow specific use directions and restrictions for these combination tank mixes. Application should be made within one day after planting. Late applications may result in severe crop injury and are not recommended.

WEEDS CONTROLLED PREEMERGENCE

GALIGAN 2E herbicide used alone at recommended dosages provides preemergence control of the following broadleaf weeds:

*GROUNDCHERRY, CUTLEAF **JIMSONWEED**

LAMBSQUARTERS, COMMON *NIGHTSHADE, AMERICAN BLACK *NIGHTSHADE, BLACK

PIGWEED, REDROOT

POINSETTIA, WILD SHEPHERDSPURSE

SIDA, PRICKLY (TEAWEED) SMARTWEED, PENNSYLVANIA *SOWTHISTLE, COMMON

VELVETLEAF

*Suppression of this weed occurs when GALIGAN 2E herbicide is applied at the reduced rate recommended for the GALIGAN 2E/metribuzin tank mix combination.

WEEDS CONTROLLED POSTEMERGENCE (POST-DIRECTED APPLICATION)

When GALIGAN 2E herbicide is applied as a post-direct application at the recommended weed stage and dosage

in soybeans, the following weeds are controlled:

COCKLEBUR, COMMON CROTON, TROPIC GROUNDCHERRY, CUTLEAF GROUNDCHERRY, WRIGHT **JIMSONWEED**

LAMBSQUARTERS, COMMON MORNINGGLORY, ANNUAL (UP TO 6-LEAF)

MUSTARD, WILD NIGHTSHADE, AMERICAN BLACK

NIGHTSHADE, BLACK

NIGHTSHADE, HAIRY PIGWEED, REDROOT

*POINSETTIA, WILD PURSLANE, COMMON

SESBANIA, HEMP SHEPHERDSPURSE

**SICKLEPOD

*SIDA, PRICKLY (TEAWEED) SMARTWEED, PENNSYLVANIA

VELVETLEAF

Two pints of an 80% active nonionic surfactant, cleared for application to growing crops, per each 100 gallons of spray solution are suggested in all tank mixtures containing GALIGAN 2E herbicide when postemergence weed control is desired.

TANK MIXES WITH GALIGAN 2E HERBICIDE

GALIGAN 2E herbicide when applied at 0.6 to 0.8 pint (0.16 to 0.2 lb. active) per acre as a tank mix combination with metribuzine (Sencor® DF or Lexone® DF) at 0.33 lb. product (0.25 lb. active) per acre is effective for preemergence control of susceptible broadleaf weeds. Do not apply this tank mix to sandy soils or course soils (sandy loam or loamy sand) containing less than 2% organic matter. Do not use on soils with less than ½% organic matter or on alkaline soils with a pH above 7.4 as crop injury may occur. Application should be made within one day following planting. Later applications may result in severe crop injury and are not recommended. The GALIGAN 2E/metribuzine herbicide tank mix may be applied as a preemergence application following a preplant incorporated grass herbicide treatment or as a three-way tank mix in a preemergence application with either Dual, Lasso, or Surflan.

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

Refer to the following tables for labeled use rates.

NO-TILL (DOUBLE-CROP) SOYBEANS PREEMERGENCE

	RATE OF PRODUCT PER BROADCAST ACRE (PINTS PER ACRE)						
Soil Texture	GALIGAN 2E	Dual 8E*	Lasso 4E*	Surflan A.S.**	paraquat (Gramox- one)	Glyphosate (Roundup)	Bronco*
Course Medium	0.5 to 1.5 0.5 to 2.0	1.5 2.0	4.0 to 5.0 5.0 to 6.0	1.5 2.0	1.0 to 2.0 1.0 to 2.0	2.0 to 3.0 2.0 to 3.0	6.5 to 10.0 8.0 to 10.0

^{*}Multiple applications may be required for acceptable control.

^{**}Post-direct applications of GALIGAN 2E herbicide will kill or suppress seedlings not exceeding the one true leaf stage.

Fine	0.5 to 2.0	2.0 to 2.5	5.0 to 6.0	3.0	1.0 to 2.0	2.0 to 3.0	8.0 to 10.0
Muck or Peat	***	***	***	***	***	***	***

^{*}Use the higher rate of Bronco, Dual, or Lasso on soils containing more than 3% organic matter.

CONVENTIONAL TILLED SOYBEANS PREEMERGENCE

GALIGAN 2E herbicide is effective for preemergence control of susceptible broadleaf weeds when applied at 1 to 1½ pints (0.25 to 0.38 lb. active) per broadcast acre. Application should be made within one day of planting. Later applications may result in severe crop injury and are not recommended. The higher rate (0.38 lb. active) will assist in early season annual grass control. However, GALIGAN 2E herbicide must not be a basic portion of the grass herbicide program. GALIGAN 2E herbicide may be applied alone as a preemergence application following a preplant incorporated grass herbicide treatment or as a tank mix in a preemergence application with Dual, Lasso, or Surflan.

CONVENTIONAL TILLED SOYBEANS PREEMERGENCE

	RATE OF PRODUCT PER BROADCAST ACRE (PINTS PER ACRE)						
Soil Texture	GALIGAN 2E	Dual 8E	Lasso 4E*	Surflan A.S. **	Metribuzin DF****		
			-		(lbs. per acre)		
Course	0.6 to 1.5	1.25 to 1.5	3.0 to 4.0	1.0 to 1.5	0.33		
Medium	0.6 to 1.5	1.5 to 2.0	4.0 to 6.0	1.5 to 2.0	0.33		
Fine	0.6 to 1.5	2.0 to 2.5	4.0 to 6.0	2.0 to 2.5	0.33		
Muck or	***	***	***	***	***		

^{*}Use the higher rate of Bronco, Dual, or Lasso on soils containing more than 3% organic matter.

Peat

WEEDS CONTROLLED PREEMERGENCE

When GALIGAN 2E herbicide is tank mixed with Bronco, Dual, Lasso, or Surflan and applied preemergence, in addition to the weeds controlled preemergence by GALIGAN 2E herbicide alone, control of the following weeds is also obtained:

BARNYARDGRASS

CRABGRASS, LARGE

FOXTAIL, GIANT

FOXTAIL, YELLOW

JOHNSONGRASS, SEEDLING

PANICUM, FALL

RAGWEED, COMMON

SIGNALGRASS, BROADLEAF

WEEDS CONTROLLED POSTEMERGENCE

When GALIGAN 2E herbicide is tank mixed with Bronco, paraquat (Gramoxone), or glyphosate (Roundup) and applied postemergence, in addition to the weeds controlled postemergence by GALIGAN 2E herbicide alone, control of the following weeds is also obtained:

BLUEGRASS, ANNUAL

FOXTAIL, YELLOW

CRABGRASS, LARGE

LAMBSQUARTERS, COMMON

FOXTAIL, GIANT

RAGWEED, COMMON

FOXTAIL, GREEN

SANDBUR, FIELD

TIMING AND METHOD OF APPLICATION

As a preemergence treatment, apply in 20 to 60 gallons of water per acre. If Bronco or glyphosate (Roundup) are included in the tank mix, apply in 20 to 40 gallons of water per acre. To insure complete coverage, spray volume should be increased as the density of emerged weeds, crop residue, or stubble increases. Use conventional spray equipment with flat fan or flood jet nozzles. Spray equipment should be calibrated carefully before each use.

POST-DIRECTED SPRAY GALIGAN 2E HERBICIDE USED ALONE

^{**}When using Surflan 75 WP, multiply pints by 0.67 to obtain the amount of Surflan 75WP product required. Do not use Surflan on soils containing more than 5% organic matter.

^{***}Do not use.

^{**}When using Surflan 75 WP, multiply pints by 0.67 to obtain the amount of Surflan 75WP product required. Do not use Surflan on soils containing more than 5% organic matter.

^{***}Do not use.

^{****}Sencor DF or Lexone DF.

43/50

DOSAGE

GALIGAN 2E herbicide is recommended as a post-directed application at 1 pint (0.25 lb. active) per acre. Optimum control is achieved when GALIGAN 2E herbicide is applied to seedling weeds not exceeding 4 true leaves. See MIXING DIRECTIONS for surfactant recommendations. Weeds should be in the seedling stage, young and actively growing. Do not count cotyledon leaves.

TANK MIXES WITH GALIGAN 2E HERBICIDE

For improved broadleaf weed control, a tank mixture of GALIGAN 2E herbicide plus Butoxone® or Butyrac® 200 is suggested. Use 1 pint GALIGAN 2E herbicide (0.25 lb. active) with 1 pint of Butoxone (0.22 lb. active) or 0.7 to 0.9 pint of Butyrac 200 (0.175 to 0.22 lb. active) per broadcast acre. See MIXING DIRECTIONS for surfactant recommendations. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

TIMING

Soybeans plant height must be a minimum of 8 inches or greater. Use branch lifters or shields if excessive spray contact to the soybean plant cannot be avoided.

METHOD OF APPLICATION

Accurate, uniform placement of GALIGAN 2E herbicide spray is essential for effective weed control and to minimize soybean injury. As a directed postemergence application, GALIGAN 2E herbicide should be applied at 20 to 25 psi using 20 to 40 gallons of spray on a broadcast acre basis. Do not exceed 25 psi. Spray should be directed towards the base of the soybean plant. Soybean foliage receiving accidental spray or drift may be injured. Weeds should be in the seedling stage, young and actively growing.

GALIGAN 2E herbicide can be applied using a post-direct spray rig with only 2 flat fan nozzles per row, 1 nozzle on each side of the row. Additional care should be taken when adjusting the sprayer prior to application. For best coverage, it is suggested to use 4 flat fan nozzles per row, 2 nozzles on each side of the row. The 2 forward nozzles should point forward and downward while the rear nozzles should point to the rear and downward. With either sprayer system, nozzles should be adjusted to cover the weed foliage with minimum contact to the soybean plant. **Do not use cone nozzles.**

TANK MIXTURE OF GALIGAN 2E HERBCIDE WITH COMMAND® SOYBEANS (NOT FOR USE IN CALIFORNIA)

GALIGAN 2E herbicide when applied preemergence at 0.6 to 0.8 pint (0.16 to 0.2 lb. active) per acre in a tank mix combination with Command at 0.75 to 1.25 lb. active is effective for the control of susceptible annual grass and broadleaf weeds in soybeans. Application should be made within one day following planting. Later applications may result in severe crop injury and are not recommended.

WEEDS CONTROLLED PREEMERGENCE

A tank mix of GALIGAN 2E herbicide with Command at recommended dosages provides preemergence control of the following weeds:

GRASS WEEDS

CRABGRASS (CRABGRASS, LARGE) (CRABGRASS, SMOOTH) CUPGRASS, SOUTHWEST CUPGRASS, WOOLLY FOXTAIL

(FOXTAIL, GIANT) (FOXTAIL, GREEN)

BARNYARDGRASS

(FOXTAIL, ROBUST PURPLE)

(FOXTAIL, YELLOW)

GOOSEGRASS

JOHNSONGRASS (SEEDLING)

PANICUM

(PANICUM, FALL) (PANICUM, TEXAS)

SANDBUR, FIELD

SIGNALGRASS, BROADLEAF

(BRACHIARIA)

*Suppression

BROADLEAF WEEDS

BEGGARWEED, FLORIDA CROTON, TROPIC *GROUNDCHERRY, CUTLEAF JIMSONWEED LAMBSQUARTERS MALLOW, VENICE *NIGHTSHADE, BLACK PIGWEED, REDROOT PURSLANE, COMMON PUSLEY, COMMON SHEPHERDPURSE SIDA, PRICKLY SMARTWEED, PENNSYLVANIA *SOWTHISTLE, COMMON VELVETLEAF

SOYBEANS

SPECIFIC ENVIRONMENTAL HAZARDS



This product is highly toxic to freshwater clams, oysters, aquatic invertebrates, and aquatic plants. Do not apply GALIGAN 2E herbicide when visible erosion to aquatic habitats and/or wetlands occurs. (See elsewhere on this label for further information on Environmental Hazards).

SOYBEANS

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.
- Do not make more than two applications of GALIGAN 2E herbicide per growing season.
- Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per acre during one growing season as a result of preemergence application in no-till (double-crop) or conventional till soybeans or post-directed in conventional till soybeans of If early preplant application is made, do not apply more than 3 pints (0.75 lb. active) of GALIGAN 2E herbicide per acre during one growing season.
- Do not apply a post-directed application of GALIGAN 2E herbicide to soybeans after the initial appearance of blooms. ME

FOR USE IN HAWAII ONLY GENERAL INFORMATION

10.2.

pustan GALIGAN 2E is a selective herbicide for preemergence and post-directed application to dryland taro for the control of certain broadleaf weeds.

NOTE: Dryland taro is defined as a taro grown without irrigation or by using irrigation practices that do not result in runoff, irrigation return flow, or other loss of irrigation water from the production area. If irrigation is used, the water applied shall not exceed the field capacity of the soil.

Occasionally, after the use of GALIGAN 2E herbicide, a spotting, crinkling, or flecking may appear on the leaves of the taro. Leaves that receive direct or indirect (drift) spray contact will be injured.

Do not use GALIGAN 2E herbicide on taro plantings that are weak or under stress due to temperature, disease, fertilizer, nematodes, insects, pesticides, drought, or excessive moisture.

DOSAGE

Apply GALIGAN 2E herbicide at a rate of 2 pints (0.5 lb. active) per broadcast acre as a single preemergence application within one week after transplanting (and prior to emergence) of the taro. GALIGAN 2E is also recommended as a post-direct application of 1 pint (0.25 lb. active) per acre. Effective control of succulent weed seedlings in the 2- to 3-leaf stage can usually be obtained. Do not apply more than 1 pint (0.25 lb. active) of GALIGAN 2E per acre in a single post-direct application or more than 2 pints (0.5 lb. active) per broadcast acre per season as a result of multiple post-direct applications.

Dosages listed are for broadcast application. For banded application, the amount of GALIGAN 2E herbicide used per acre should be reduced according to the following formula:

Band Width (in inches)

Rate per

Amount Needed per Acre for Banded Application

787 W. Jan 0

Row Width (in inches)

Broadcast Acre

WEEDS CONTROLLED

GALIGAN 2E herbicide will provide preemergence and postemergence control of the following weeds when used at the recommended dosages. Applications to weeds beyond the 3-leaf stage may result in partial control: AMARANTH, SPINY SPURGE, GARDEN

PURSLANE, COMMON

TIMING AND METHOD OF APPLICATION

GALIGAN 2E should be thoroughly mixed with clean water at recommended concentrations and applied in a minimum of 15 gallons of water per acre.

When applied preemergence, use conventional ground spray equipment with flat fan nozzles at 20 to 40 psi. Accurately calibrate spray equipment prior to each use.

When applied as a post-direct spray, sprays must be directed to the base of the taro plant. Accurate, uniform placement of GALIGAN 2E herbicide is essential for effective weed control and to minimize crop injury. Taro foliage receiving accidental spray or drift will be injured. GALIGAN 2E herbicide must be applied using rigid precision ground sprayer equipment. As a directed postemergence application, GALIGAN 2E herbicide should be applied at 20 to 25 psi using 20 to 40 gallons of spray on a broadcast acre basis. Do not exceed 25 psi.



TARO

SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than 2 pints (0.5 lb. active) of GALIGAN 2E herbicide per broadcast acre as a single preemergence application.
- Do not apply more than 1 pint (0.25 lb. active) of GALIGAN 2E herbicide per broadcast acre in a single postdirect spray or more than 2 pints (0.5 lb. active) per broadcast acre per season as a result of multiple postdirect applications.
- Do not apply more than 4 pints (1.0 lb. active) of GALIGAN 2E herbicide per broadcast acre per season as a result of preemergence and post-direct applications. before
- Do not apply GALIGAN 2E herbicide within 6 months of harvest of taro (corms, leaves).
- For use only to dryland taro grown in Hawaii. (Dryland taro is defined as taro grown without irrigation or by using irrigation practices that do not result in run-off, irrigation return flow, or other loss of irrigation water from the production area. If irrigation is used, the water applied shall not exceed the field capacity of the soil).

TREE FRUITS, NUTS, VINES

DORMANT APPLICATION

ALMOND, APPLE, APRICOT, AVOCADO, BEECH NUT, BRAZIL NUT, BUTTERNUT, CASHEW, CHERRY, CHESTNUT, CHINQUAPIN, CRABAPPLE, DATE, FEIJOA, FIG, FILBERT, GRAPES, HICKORY NUT, KIWI, LOQUAT, MACADAMIA NUT, MAYHAW, NECTARINE, OLIVE, PEACH, PEAR, PECAN, PERSIMMON, PISTACHIO, PLUM, POMEGRANATE, PRUNE, QUINCE, WALNUT

GENERAL INFORMATION

GALIGAN 2E is effective as a preemergence and/or postemergence herbicide when used alone or in recommended combinations for the control of certain annual broadleaf weeds in certain bearing and nonbearing tree fruit, nut, or vine plantings. The most effective postemergence weed control is achieved when GALIGAN 2E herbicide is applied to seedling weeds. For postemergence control of certain grassy and broadleaf weeds, a tank mixture of GALIGAN 2E herbicide with either paraquat (Gramoxone) or glyphosate (Roundup) can be used.

For preemergence control of susceptible grassy and broadleaf weeds in certain tree fruit, nut, or vine plantings, a tank mixture of GALIGAN 2E herbicide with napropamide (Devrinol), diuron (Karmex), pronamide (KERB®), simazine, norflurazon (Solicam), or oryzalin (Surflan) can be applied. Contact herbicides such as paraquat (Gramoxone) or glyphosate (Roundup) may also be added to the tank mixture. Check individual product labels to determine suitability and use rates for various crops.

GALIGAN 2E HERBICIDE USED ALONE GEOGRAPHIC USE DIRECTIONS ARIZONA AND CALIFORNIA DOSAGE

קרקין GALIGAN 2E herbicide is recommended for postemergence control at 2 to 6 pints (0.5 to 1.5 lbs. active) per broadcast acre. For preemergence control of susceptible weeds, use 5 to 6 pints (1.25 to 1.5 lbs. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE (weeds up to 4 inches high)

Apply 2 to 6 pints (0.5 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre. Applications to weeds beyond the 4-inch stage may result in partial control.

CHEESEWEED, MALVA FIDDLENECK, COAST

*FILAREE, BROADLEAF *FILAREE, REDSTEM

*FILAREE, WHITESTEM

GROUNDSEL, COMMON

MINER'S LETTUCE NETTLE, BURNING

PIGWEED, REDROOT

REDMAIDS

SHEPHERDSPURSE SOWTHISTLE, ANNUAL

*GALIGAN 2E herbicide at the 6-pint rate (1.5 lbs. active) will provide control of filaree not exceeding the 4-inch stage. Applications to filaree beyond the 4-inch stage may result in partial control.

WEEDS CONTROLLED PREEMERGENCE

Apply 5 to 6 pints (1.25 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

BURCLOVER LAMBSQUARTERS, COMMON

CHEESEWEED (MALVA) LETTUCE, PRICKLY FIDDLENECK, COAST PIGWEED, REDROOT FILAREE, BROADLEAF PURSLANE, COMMON

FILAREE, REDSTEM **REDMAIDS**

FILAREE, WHITESTEM ROCKET, LONDON **SHEPHERDSPURSE** GROUNDSEL, COMMON HENBIT SOWTHISTLE, ANNUAL

KNOTWEED, PROSTRATE

CHEMIGATION: For application using sprinkler (low-volume (microsprinkler)), drip (trickle), and flood (basin) irrigation systems, apply specified dosage of GALIGAN 2E per acre as described in ARIZONA AND CALIFORNIA - DOSAGE section above. Follow all directions given in the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION when making applications using sprinkler irrigation systems. Do not allow treated irrigation water to contact the fruit or foliage.

ALL OTHER STATES (EXCEPT CALIFORNIA AND ARIZONA) DOSAGE

GALIGAN 2E herbicide is recommended for postemergence control at 2 to 6 pints (0.5 to 1.5 lbs. active) per broadcast acre. For preemergence control of susceptible weeds, use 5 to 6 pints (1.25 to 1.5 lbs. active) per broadcast acre.

WEEDS CONTROLLED POSTEMERGENCE

Apply 2 to 6 pints (0.5 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre. The lower rate is recommended for the control of susceptible seedling weeds in the early postemergence stage up to the 4-leaf stage. The higher rate (1.5 lbs. active) should be used for weeds up to the 6-leaf stage. Applications to weeds beyond the 6-leaf stage may result in partial control.

BALSAMAPPLE

COCKLEBUR, COMMON *CUDWEED, NARROWLEAF **EVENINGPRIMROSE, CUTLEAF GROUNDCHERRY, CUTLEAF GROUNDCHERRY, WRIGHT

JIMSONWEED

LAMBSQUARTERS, COMMON MORNINGGLORY, ANNUAL NIGHTSHADE, AMERICAN BLACK

NIGHTSHADE, BLACK *Maximum 0.5-inch diameter PEPPERWEED, VIRGINIA PIGWEED, REDROOT POINSETTIA, WILD PURSLANE, COMMON SESBANIA, HEMP **SHEPHERDSPURSE** SIDA, PRICKLY (TEAWEED)

SMARTWEED, PENNSYLVANIA

SOWTHISTLE, ANNUAL

VELVETLEAF

47/60

**Highest rate and/or multiple applications may be required for acceptable control. Do not apply more than 6 pints¹ (1.5 lbs. active) per broadcast acre of GALIGAN 2E herbicide in one season.

WEEDS CONTROLLED PREEMERGENCE

Apply 5 to 6 pints (1.25 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre.

CAMPHORWEED PIGWEED, REDROOT CUDWEED, NARROWLEAF POINSETTIA, WILD *EVENINGPRIMROSE, CUTLEAF SIDA, PRICKLY

*EVENINGPRIMROSE, CUTLEAF SIDA, PRICKLY
GROUNDCHERRY, CUTLEAF SMARTWEED, PENNSYLVANIA

JIMSONWEED SOWTHISTLE, ANNUAL LAMBSQUARTERS, COMMON SPURGE, PROSTRATE NIGHTSHADE, AMERICAN BLACK SPURGE, SPOTTED

NIGHTSHADE, BLACK VELVETLEAF

PEPPERWEED, VIRGINIA

*Highest rate and/or multiple applications may be required for acceptable control. Do not apply more than 6 pints (1.5 lbs. active) per broadcast acre of GALIGAN 2E herbicide in one season.

ALL STATES

TIMING AND METHOD OF APPLICATION

In Arizona and California, GALIGAN 2E herbicide can be applied during the period following completion of final harvest up to February 15 (February 1st in Coachella Valley, California). Applications made after the calendar dates above but prior to bud swell may result in significant crop injury and are the responsibility of the user. In California, Galigan 2E herbicide may be applied as an over-the-top or directed spray to dormant nonbearing grape plantings. The use of a low-pressure sprayer is suggested.

In all states, do not apply GALIGAN 2E herbicide after buds start to swell until completion of final harvest. Do not apply when fruits or nuts are present. GALIGAN 2E herbicide can be applied upon completion of final harvest.

As a preemergence treatment, apply a minimum of 40 gallons of water per acre. Use higher volumes to ensure adequate coverage in high densities of emerged weeds or heavy trash. Best preemergence results are achieved when spray is applied to a relatively weed-free established berm or soil surface. GALIGAN 2E herbicide should be directed to the soil and the base of dormant trees or vines. Use a low-pressure sprayer equipped with a breakaway boom and flat fan nozzles. An off-center (OC) nozzle positioned at the end of the boom may be desired. Do not apply to grape plantings that are under stress due to drought, flooding, excessive fertilizer or soil salts, storage conditions, wind injury, hail, injury from previously applied pesticides, or injury due to insects, nematodes, or diseases, as severe crop injury may result. See SPECIFIC USE RESTRICTIONS for GALIGAN 2E herbicide application on dormant tree or vine plantings.

SPRAY VOLUME

Weed Stage Gallons of Water per Acre

Preemergence 40 or more
Postemergence (up to 4-inch or 4-leaf stage) 40 or more
Exceeding 4-inch or 4-leaf stage 100 or more

TANK MIXES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

DOSAGE

For preemergence control of susceptible grassy and broadleaf weeds in certain bearing and nonbearing tree fruit, nut, or vine plantings, a tank mixture of GALIGAN 2E herbicide with napropamide (Devrinol), diuron (Karmex), pronamide (KERB), simazine, norflurazon (Solicam), or oryzalin (Surflan) can be applied. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

For postemergence control of susceptible grassy and broadleaf weeds in certain tree fruit, nut, or vine plantings, a tank mixture of paraquat (Gramoxone) or glyphosate (Roundup) with GALIGAN 2E herbicide or combinations of GALIGAN 2E herbicide plus napropamide (Devrinol), diuron (Karmex), pronamide (KERB), simazine, norflurazon (Solicam), or oryzalin (Surflan) with either paraquat (Gramoxone) or glyphosate (Roundup) can be used. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

WEEDS CONTROLLED

In addition to the weeds controlled by GALIGAN 2E herbicide used alone, control of susceptible weeds listed on



the respective labels for the following products is also obtained.

diuron (Karmex)

norflurazon (Solicam)

glyphosate (Roundup)

oryzalin (Surflan)

*simazine

pronamide (Kerb)

napropamide (Devrinol)

paraquat (Gramoxone)

*In addition, simazine provides preemergence control of horseweed (marestail).

TREE FRUITS, NUTS, VINES DORMANT APPLICATION SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply GALIGAN 2E herbicide during the period between bud swell and completion of final harvest or when fruit or nuts are present. GALIGAN 2E herbicide can be applied upon completion of final harvest.
- IN ARIZONA AND CALIFORNIA, GALIGAN 2E can be applied during the period following completion
 of final harvest up to February 15 (February 1st in the Coachella Valley, California). Applications made
 after the calendar dates above but prior to bud swell may result in significant crop injury and are the
 responsibility of the user.
- Do not apply more than 6 pints (1.5 lbs. active) per broadcast acre of GALIGAN 2E herbicide in one season.
- Do not apply to grapes or kiwi established less than 3 years unless vines are on a trellis wire a minimum of 3 feet above the soil surface.
- Do not apply to grapes or kiwi that are not staked or trellised unless vines are free-standing.
- GALIGAN 2E herbicide or any of the combinations recommended on this label should be applied only to healthy growing trees or vines.
- Direct spray toward the base of trees or vines except in California, Galigan 2E may be applied as an over-the-top application to dormant, nonbearing grape plantings. Otherwise, avoid direct plant contact. Use of a low-pressure sprayer is suggested.

GRAPES (CALIFORNIA ONLY)
NONDORMANT APPLICATION

Storm Swell of California ONLY)
GENERAL INFORMATION

GRAPES (CALIFORNIA ONLY)

A STORMAN ONLY)

Galigan 2E herbicide is a selective herbicide for the control/suppression of susceptible broad leaf weed species in nondormant grapes (raisin and wine grapes only) when applied either as a directed ground spray application or for supplemental preemergence weed control through low-volume sprinkler (microsprinkler) or drip (trickle) irrigation systems. (Galigan 2E herbicide can be applied to all grapes (raisin, table, wine) when applied as a dormant application as specified above.) The total amount of Galigan 2E herbicide applied during one season (from completion of final harvest through dormancy to nondormant use covered by this section) cannot exceed a total of 6 pints (1.5 lbs. a.i.) per acre as a result of multiple applications in any given area (broadcast, banded, or within the wetted area of the low-volume sprinkler or drip irrigation systems).

CROP TOLERANCE INFORMATION

The use of Galigan 2E herbicide may in some instances result in varying degrees of injury to nondormant grapes. Grape foliage will typically exhibit injury symptoms from direct or indirect (spray drift, soil contact) exposure to Galigan 2E herbicide. This injury may result in leaf necrosis, reddening of the foliage, leaf cupping, or crinkling of the crop. The grape plant continues to grow normally. Immature, expanding leaves at the time of contact with Galigan 2E are the most susceptible to foliage injury. Grapes may exhibit some small blemishes (spots or flicks) to the fruit.

DOSAGE AND APPLICATION TIMING

Galigan 2E herbicide can be applied as a nondormant application. Applications can be made to nondormant grapes during the period between the completion of bloom up through 14 days prior to harvest.

Galigan 2E herbicide is recommended for use at rates of 1 to 2 pints (0.25 to 0.5 lb. active) per broadcast acre. Do not apply more than 6 pints (1.5 lbs. active) per broadcast acre per season as a result of multiple applications made during the dormant and nondormant season (up to 14 days prior to harvest).

WEEDS CONTROLLED/SUPPRESSED POSTEMERGENCE (weeds up to 4 inches high)

For postemergence control/suppression, apply 1 to 2 pints (0.25 to 0.5 lb. active) per broadcast acre to susceptible weed seedlings up to 4 inches in height. Repeat applications may be required. Applications to weeds beyond this 4-inch stage or at reduced use rates will result in reduced herbicidal activity. For enhanced postemergence activity on certain grassy and broadleaf weeds, a tank mixture of Galigan 2E herbicide with either paraquat (Gramoxone) or glyphosate (Roundup) can be used when applied with ground application equipment.

CHEESEWEED (MALVA) FIDDLENECK, COAST

NETTLE, BURNING NIGHTSHADE, BLACK GROUNDSEL, COMMON

HENBIT

MINER'S LETTUCE

MORNINGGLORY SPECIES, ANNUAL

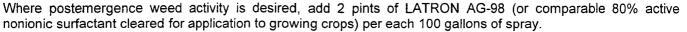
MUSTARD, BLACK

PIGWEED, REDROOT PURSLANE, COMMON

REDMAIDS

ROCKET, LONDON

SOWTHISTLE, ANNUAL



TANK MIXTURES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

For enhanced postemergence activity on a broader spectrum of grassy and broadleaf weeds in the berm or row middles, a tank mixture of Galigan 2E herbicide with either glyphosate (Roundup) or paraquat (Gramoxone) can be used. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective labels.

WEEDS CONTROLLED/SUPPRESSED PREEMERGENCE

Apply 2 pints (0.5 lb. active) of Galigan 2E herbicide per broadcast acre. Applications at reduced rates will result in reduced herbicidal activity.

BURCLOVER

CHEESEWEED (MALVA) FIDDLENECK, COAST GROUNDSEL, COMMON

HENBIT

KNOTWEED, PROSTRATE LAMBSQUARTERS, COMMON

MINERSLETTUCE MUSTARD, BLACK NETTLE, BURNING NIGHTSHADE, BLACK PIGWEED, REDROOT

PURSLANE, COMMON

REDMAIDS

ROCKET, LONDON SHERPHERDSPURSE SOWTHISTLE, ANNUAL

METHOD OF APPLICATION

GROUND APPLICATION: Galigan 2E herbicide should be thoroughly mixed with clean water at recommended concentrations and applied in a minimum of 20 gallons of water per acre (minimum 10 gallons for Galigan/glyphosate tank mix). Use higher volumes to ensure adequate coverage in high densities of emerged weeds or heavy trash. Best preemergence results are achieved when spray is applied to a relatively weed-free established berm or soil surface.

Galigan 2E herbicide should be directed to the soil and the base of vines. Use a low-pressure sprayer equipped with a breakaway boom and flat fan nozzles. An off-center (OC) nozzle positioned at the end of the boom may be desired. Spray equipment should be calibrated carefully before each use. See SPECIFIC USE RESTRICTIONS for Galigan 2E herbicide application on nondormant vine plantings.

Thoroughly flush the spray equipment (tank, hose, pump, boom) with water before and after each use. Residual Galigan 2E herbicide remaining in spray equipment may damage other crops.

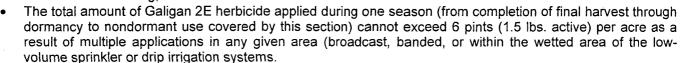
AVOID DRIFT TO ALL OTHER CROPS AND NONTARGET AREAS. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT. GALIGAN 2E HERBICIDE IS PHYTOTOXIC TO PLANT FOLIAGE.

CHEMIGATION APPLICATION: Galigan 2E herbicide may be applied using sprinkler (low-volume (microsprinkler)) and drip (trickle) irrigation systems designed to distribute irrigation water beneath the vine canopy. The application of Galigan 2E herbicide is intended to supplement the preemergence weed control requirements of a broadcast (or directed) weed control program where weed emergence is anticipated within the wetted area of a low-volume sprinkler (microsprinkler) or drip (trickle) irrigation system. Applications should be made prior to weed emergence since postemergence activity will be inconsistent due to partial coverage. Apply specified dosage of GALIGAN 2E per acre as described in DOSAGE AND APPLICATION TIMING section above for nondormant grapes. Meter Galigan 2E herbicide at a continuous uniform rate during the middle 1/3 of the irrigation period to allow for uniform distribution to the soil surface. For best results, Galigan 2E herbicide should be uniformly positioned across the wetted area to help reduce the RING EFFECT of weed escapes as other products begin to break down around the emitter. Continue irrigation during the final 1/3 of the irrigation period to insure proper flushing of the irrigation system. Follow all directions given in the supplemental labeling entitled APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION when making applications using sprinkler irrigation systems. Do not allow treated irrigation water to contact the fruit or foliage.

GRAPES

NONDORMANT APPLICATION-CALIFORNIA ONLY SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.



- Do not apply within 14 days of harvest.
- Do not initiate Galigan 2E herbicide applications in nondormant grapes until the completion of bloom.
- Do not apply to grapes established less than 3 years unless vines are either on a trellis wire a minimum of 3 feet above the soil surface or protected by grow tubes.
- Galigan 2E herbicide should be applied only by ground application equipment or through low-volume sprinkler (microsprinkler) or drip (trickle) irrigation systems as specified above.
- Apply Galigan 2E herbicide as a nondormant application to wine grapes or raisin grapes only.

GRAPES (WASHINGTON AND OREGON ONLY)

WINE AND PROCESSING ONLY GENERAL INFORMATION

Galigan 2E herbicide may be used to assist with sucker control in grapes (wine and processed grapes only) when applied as a directed ground spray application to suckers growing from the base of the plant. The use of Galigan 2E herbicide will typically reduce (but not eliminate) the need for sucker removal by hand.

CROP TOLERANCE

The use of Galigan 2E herbicide may in some instances result in varying degrees of injury to nondormant grapes. Grape foliage will typically exhibit injury symptoms from direct or indirect (spray drift, soil contact) exposure to Galigan 2E herbicide. This injury may result in leaf necrosis, reddening of the foliage, leaf cupping, or crinkling. Immature, expanding leaves at the time of contact with Galigan 2E herbicide are the most susceptible to foliage injury. Grapes may exhibit some small blemishes (spots or flecks) to the fruit.

RATE AND APPLICATION TIMING

Apply Galigan 2E herbicide at a rate of 1 to 2 pints (0.25 to 0.5 lb. active ingredient) per acre in a spray volume of 50 gallons (or more) per broadcast acre to new emerging sucker growth, up to 12 inches in length. The highest rate and/or a second application may be required to achieve an acceptable level of control/suppression of grape suckers. Do not apply more than 6 pints (1.5 lbs. active) per broadcast acre, as a result of multiple applications made during a single season (dormant and nondormant). The use of Galigan 2E herbicide will typically reduce (but not eliminate) the need for sucker removal by hand. Applications can be made to nondormant grapes up to three weeks after bloom. Do not use within 60 days of harvest.

Add 2 pints of Latron AG-98 (or comparable 80 percent active nonionic surfactant cleared for application to growing crops) per each 100 gallons of spray.

Rates indicated above are for broadcast application. For banded applications, the amount of Galigan 2E herbicide used per acre should be reduced according to the following formula:

<u>Band Width (inches)</u> X Rate Per Broadcast = Amount Needed Row Width (inches) Acre per Acre

METHOD OF APPLICATION

Galigan 2E herbicide should be applied in a three-foot band directed towards the base of the grapevine. Applications are to be directed towards the lower portion of the grapevine to minimize leaf injury from spray contact. Avoid spray contact on flowers, grape clusters, or fruit. Mounted nozzles are used to deliver the spray solution. Thorough spray coverage of sucker growth is essential to maximize the activity of Galigan 2E herbicide. Spray equipment should be calibrated carefully before each use.

AVOID DRIFT TO ALL OTHER CROPS AND NONTARGET AREAS. DO NOT APPLY WHEN WEATHER CONDITIONS FAVOR DRIFT. GALIGAN 2E HERBICIDE IS PHYTOTOXIC TO PLANT FOLIAGE.

TANK MIXTURES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive requirements must apply. For enhanced postemergence sucker activity, a tank mixture of Galigan 2E herbicide with either glufosinate (Rely) or paraquat (Gramoxone Extra) can be used. Apply at the recommended rates and growth stages in a manner described on the respective labels.

GRAPES (WASHINGTON ONLY



WINE AND PROCESSING ONLY SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

• The total amount of Galigan 2E herbicide applied during one crop year (dormant and nondormant) cannot exceed 6 pints (1.5 lbs. active ingredient) per acre as a result of multiple applications in any given area (broadcast or banded).

Galigan 2E should be applied only by ground application equipment.

- Apply Galigan 2E herbicide as a nondormant application for sucker control to wine grapes or processed grapes only.
- Do not apply when weather conditions favor drift. Avoid drift to all nontarget areas. Galigan 2E herbicide is phytotoxic to plant foliage.
- Do not apply Galigan herbicide within 60 days of harvest.
- Do not treat ditch banks or waterways with Galigan 2E herbicide.

PISTACHIOS, WALNUTS, ALMONDS (CALIFORNIA ONLY)

NONDORMANT APPLICATION GENERAL INFORMATION

Galigan 2E herbicide provides effective vegetation management when applied to young broadleaf weed seedlings. For enhanced postemergence activity on certain grassy and broadleaf weeds, a tank mixture of Galigan 2E herbicide with either paraquat (Gramoxone) or glyphosate (Roundup) can be used when applied with ground application equipment.

DOSAGE

Galigan 2E herbicide is recommended for postemergence suppression at 1 to 2 pints (0.25 to 0.5 lb. active) per broadcast acre when applied to susceptible weed seedling less than 4 inches in height. Repeat applications may be required.

For cleanup sprays and preharvest applications for contact (postemergence) control, apply Galigan 2E herbicide at 2 to 6 pints (0.5 to 1.5 lbs. active) per broadcast acre to susceptible weed seedlings not exceeding the 4-inch stage. Applications to weed seedlings beyond the 4-inch stage may result in partial control.

For residual (preemergence) control of susceptible weeds, use 5 to 6 pints (1.25 to 1.5 lbs. active) per broadcast acre.

WEEDS SUPPRESSED AND/OR CONTROLLED

CHEESEWEED (MALVA)

FIDDLENECK, COAST FILAREE, BROADLEAF

FILAREE, BROADLEAF

FILAREE, WHITESTEM

GROUNDSEL, COMMON

HENBIT

MINER'S LETTUCE

MORNINGGLORY SPECIES, ANNUAL

MUSTARD, BLACK

NETTLE, BURNING

PIGWEED, REDROOT

PURSLANE, COMMON

REDMAIDS

ROCKET, LONDON

SOWTHISTLE, ANNUAL

TANK MIXTURES WITH GALIGAN 2E HERBICIDE

IMPORTANT: Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

DOSAGE

For enhanced postemergence activity on a broader spectrum of grass weeds and broadleaf weeds in the tree row middles, a tank mixture of Galigan 2E herbicide with either paraquat (Gramoxone) or glyphosate (Roundup) can be used. Apply at the recommended rates and growth stages to susceptible weed species in a manner described on the respective label.

WEEDS SUPPRESSED AND/OR CONTROLLED

BARNYARDGRASS

BLUEGRASS, ANNUAL

CHICKWEED, COMMON

HORSEWEED (MARESTAIL)

ROCKET, LONDON

RYEGRASS, ITALIAN

METHOD OF APPLICATION

GROUND APPLICATION: Apply a minimum spray volume of 20 gallons of water per acre (minimum 10 gallons for Galigan 2E/glyphosate (Roundup) tank mix). Use higher volumes to ensure adequate coverage in high

densities of emerged weeds or heavy trash. Use conventional low-pressure ground spray equipment with flat fan spray nozzles at 20 to 40 psi. An off-center nozzle positioned at the end of the boom may be desired. Spray equipment should be calibrated carefully before each use.

CHEMIGATION APPLICATION: Apply this product only through flood (basin) irrigation systems, or low-volume sprinkler (microsprinkler) and drip (trickle) irrigation systems designed to distribute irrigation water beneath the tree canopy. For flood (basin) irrigation systems, Galigan 2E herbicide should be continuously metered into the water during the entire irrigation period. Agitation in the pesticide supply tank is suggested. Best weed control results are obtained when a uniform distribution and flow of irrigation water is maintained over level land. Galigan 2E herbicide may be applied through low-volume sprinkler (microsprinkler) and drip (trickle) irrigation systems designed to distribute irrigation water beneath the tree canopy. The application of Galigan 2E is intended to supplement the preemeregence weed control requirements of a broadcast (or directed) weed control program. where weed emergence is anticipated within the wetted area of a low-volume sprinkler (microsprinkler) or drip (trickle) irrigation system. Applications should be made prior to weed emergence since postemergence activity will be inconsistent due to partial coverage. Meter Galigan 2E herbicide at a continuous uniform rate during the middle one-third of the irrigation period to allow for uniform distribution to the soil surface. For best results, Galigan 2E herbicide should be uniformly positioned across the wetted area to help reduce the "ring effect" of weed escapes, as other products begin to break down around the emitter. Continue irrigation during the final one-third of the irrigation period to insure proper flushing of the irrigation system. Irrigation water treated with Galigan 2E herbicide must be contained on the treated area until the water is absorbed by the soil. Do not apply when wind speed favors drift beyond the area intended for treatment.

CULTURAL CONSIDERATIONS FOR ALL APPLICATIONS: In order to provide maximum effectiveness of preemergence activity of Galigan 2E herbicide, the berm or soil surface should be level, smooth, and free of crop or weed trash (decaying leaves, clippings, dead weeds, etc.). Leaves and trash may be removed by blowing the area to be treated or by thoroughly mixing the trash into the soil through cultivation prior to herbicide applications.

Cultural practices that result in redistribution of disturbance of the soil surface after treatment will decrease the herbicidal effectiveness of Galigan 2E herbicide. Cutting water furrows or cultivations that mix untreated soil into treated areas will also reduce the effectiveness of the treatment. The best results are from applications to established berms or soil surfaces that are left undisturbed during the time period for which weed control is desired.

PISTACHIOS, WALNUTS, ALMONDS NONDORMANT APPLICATION SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- WHEN APPLIED AS A NON-DORMANT TREATMENT, GALIGAN 2E HERBICIDE CAN ONLY BE APPLIED TO PISTACHIO PLANTINGS BETWEEN MAY 1 AND 7 DAYS PRIOR TO HARVEST.
- WHEN APPLIED AS A NON-DORMANT TREATEMENT, GALIGAN 2E HERBICIDE CAN ONLY BE APPLIED TO ALMOND PLANTINGS BETWEEN APRIL 1 AND SEPTEMBER 30 AND TO WALNUT PLANTINGS BETWEEN MAY 1 AND SEPTEMBER 30.
- Do not apply Galigan 2E herbicide within 7 days of harvest of pistachio trees.
- Do not apply Galigan 2E herbicide within 30 days of harvest of almond trees.
- Do not apply Galigan 2E herbicide within 7 days of harvest of walnut trees.
- Do not apply more than 6 pints (1.5 lbs. active) per broadcast acre of Galigan 2E herbicide during the nondormant season.
- Galigan 2E herbicide should be applied only to healthy growing trees.
- Direct spray toward the base of tree. Avoid direct herbicide contact with foliage or nuts.

WINDBREAKS AND SHELTERBELTS (MINNESOTA, NORTH DAKOTA, SOUTH DAKOTA, WYOMING)

GENERAL INFORMATION

GALIGAN 2E is effective as a preemergence and/or postemergence herbicide for the control of certain annual broadleaf weeds in windbreaks and shelterbelts. Preemergence control is most effective when spray is applied to clean, weed-free soil surfaces. Treated soil surfaces should not be disturbed as the herbicidal effectiveness of GALIGAN 2E may be decreased. Seedling weeds are controlled during emergence as they come in contact with the soil-applied herbicide. The most effective postemergence weed control is achieved when GALIGAN 2E herbicide is applied with thorough coverage of weeds in the seedling stage.

Occasionally after the use of GALIGAN 2E herbicide, a spotting, crinkling, or flecking may appear on leaves of deciduous species. Leaves that receive direct or indirect (drift) spray contact will be injured. Deciduous species typically outgrow this condition rapidly and develop normally.

IMPORTANT: Some varieties or cultivars and deciduous species listed may be susceptible to GALIGAN 2E. Care should be taken to ensure that the particular variety to be sprayed with GALIGAN 2E is tolerant. It is suggested that unfamiliar species be tested in limited areas prior to application for preemergence and postemergence weed control.

WEEDS CONTROLLED

When GALIGAN 2E herbicide is applied preemergence or postemergence (up to 4-leaf stage) at recommended

dosages, the following broadleaf weeds are controlled.

BUCKWHEAT, WILD BURCLOVER CARPETWEED DOCK, CURLY

GROUNDCHERRY, CUTLEAF GROUNDCHERRY, WRIGHT GROUNDSEL, COMMON

GROUNDSEL, COMMON HENBIT

JIMSONWEED KNOTWEED, PROSTRATE

KOCHIA LADYSTHUMB

LAMBSQUARTERS, COMMON

LETTUCE, PRICKLY MALLOW, LITTLE MAYWEED

MUSTARD, BLUE

MUSTARD, TUMBLE

MUSTARD, WILD NETTLE, BURNING

NIGHTSHADE, BLACK NIGHTSHADE, HAIRY

OATS, WILD ORACH, RED

PEPPERWEED, YELLOWFLOWER

PIGWEED, PROSTRATE PIGWEED, REDROOT PURSLANE, COMMON ROCKET, LONDON *SHEPHERDSPURSE

SMARTWEED, PENNSYLVANIA

SOWTHISTLE, ANNUAL

TANSYMUSTARD

THISTLE, RUSSIAN (SEEDLING)

VELVETLEAF

*Highest rate and/or multiple applications may be required for acceptable control.

GRASSES CONTROLLED

When GALIGAN 2E herbicide is applied preemergence or postemergence (up to 2-leaf stage) at recommended dosages, the following annual grasses are controlled/suppressed.

BARNYARDGRASS BLUEGRASS ANNUAL CRABGRASS, LARGE FOXTAIL, GIANT GOOSEGRASS WITCHGRASS

GALIGAN 2E herbicide is most effective when applied preemergence to annual grasses. Postemergence applications should be made to seedling grasses not exceeding the 2-leaf stage. The addition of 0.25% (2 pints per 100 gallons of spray solution) of an 80% active nonionic surfactant, cleared for application on growing crops, enhances the GALIGAN 2E herbicide activity on emerged weeds. When determining an appropriate use rate where a range of rates is provided, use higher rates where heavy weed pressure is anticipated, or where medium and fine soil textures exist and high organic matter soils are present.

GALIGAN 2E herbicide may be applied to conifer and deciduous species including the following:

CONIFER SPECIES

COMMON NAME

ARBORVITAE

DOUGLAS FIR

FIR

FRASER GRAND NOBLE HEMLOCK

EASTERN HEMLOCK WESTERN HEMLOCK SCIENTIFIC NAME

Thuja occidentalis Thuja orientalis

Pseudotsuga menziesii

Abies fraseri Abies grandis Abies procera

Tsuga canadensis Tsuga heterophylla

JUNIPER

5460

Juniperus chinensis Juniperus horizontalis Juniperus procumbens Juniperus sabina Juniperus scopulorum

PINE

AUSTRIAN EASTERN WHITE

HIMALAYAN JACK

LOBLOLLY LODGEPOLE LONGLEAF MONTEREY

MUGHO PONDEROSA SCOTCH SHORTLEAF SLASH

VIRGINIA SPRUCE

BLUE

DWARF ALBERTA

NORWAY SITKA

RED CEDAR

YEW

DECIDUOUS SPECIES COMMON NAME

ASH

CRABAPPLE EUCALYPTUS

LILAC

MAPLE, BLACK

OAK, NORTHERN RED

OLIVE, RUSSIAN

POPLAR (COTTONWOOD)

SWEETGUM SYCAMORE WALNUT, BLACK Pinus nigra
Pinus strobus
Pinus wallichiana
Pinus banksiana
Pinus taeda
Pinus contorta
Pinus palustris
Pinus radiata
Pinus mugo
Pinus ponderosa
Pinus sylvestris
Pinus echinata
Pinus virginiana

Picea pungens
Picea glauca conica
Picea abies
Picea sitchensis
Juniperous virginiana
Taxus, spp.

SCIENTIFIC NAME

Fraxinus spp.
Malus spp.

Eucalyptus viminalis, E. pulverulenta, E. camaldulensis

Syringa vulgaris Acer nigrum Quercus rubra Elaeagnus angustifolia

Liaeagiius ailgustiiolia

Populus spp.

Liquidamber styraciflua Platanus occidentalis Juglans nigra

DOSAGE

Apply 4 to 6 pints (1.0 to 1.5 lbs. active) of GALIGAN 2E herbicide per broadcast acre for preemergence and postemergence weed control. The addition of 0.25% v/v (2 pints per 100 gallons of spray solution) of an 80% active nonionic surfactant cleared for application to growing crops enhances the Galigan herbicide activity on emerged weeds.

For banded application, the amount of Galigan to be used per acre should be reduced according to the following formula.

Band Width (in inches)
Row Width (in inches)

Rate per Broadcast Acre

Х

 Amount Needed per Acre for Banded Application

METHOD OF APPLICATION

CONIFERS: GALIGAN 2E herbicide can be applied pretransplant, post-directed, or postemergence (over-the-top) to conifers. Postemergence or post-directed applications should be applied prior to budbreak or after the foliage has had an opportunity to harden off.

DECIDUOUS: GALIGAN 2E herbicide has exhibited selectivity to many deciduous species when applied pretransplant or as a post-directed spray prior to budbreak. Special care should be taken to direct the spray toward the base of the plant. Applications made after budbreak may result in injury to the deciduous species, and are not recommended. (Note: If a nondormant application is required, do not apply during periods of new foliage growth. Applications should be made after foliage has fully expanded and hardened off. Direct spray toward the

base of the trees. Avoid direct or indirect spray contact with the foliage of the deciduous species.)

55/60

In general, GALIGAN 2E herbicide should be thoroughly mixed with clean water at the recommended concentration and applied at 20 to 40 psi in a minimum of 20 gallons of water per acre as a broadcast, banded, or post-directed spray. Thorough spray coverage is essential to maximize the postemergence activity of GALIGAN 2E herbicide. Spray equipment should be calibrated carefully before each use.

Pretransplant applications must be made after completion of soil preparation but prior to transplanting. Transplanting should be completed with minimal soil disturbance. Treated soil surfaces should be left undisturbed after transplanting to obtain the greatest benefit of GALIGAN 2E herbicide on susceptible annual broadleaf weeds during the time period for which weed control is desired. However, timely cultivations after weed emergence will assist in weed control.

WINDBREAKS AND SHELTERBELTS SPECIFIC USE RESTRICTIONS

In addition to the following, also observe GENERAL USE RESTRICTIONS listed at the end of this label.

- Do not apply more than 6 pints (1.5 lbs. active) of GALIGAN 2E herbicide per treated acre per growing season as a result of single or multiple applications.
- Always apply GALIGAN 2E herbicide to healthy deciduous and /or conifer species.
- Do not apply GALIGAN 2E herbicide to conifers or deciduous species that have been weakened or under stress from excessive fertilizer or soil salts, disease, nematodes, frost, drought, flooding, previously applied pesticides, soil insects, or winter injury, as severe injury may result.

SPECIFIC USE RESTRICTIONS FOR INDIVIDUAL CROPS ARE FOUND UNDER DIRECTIONS FOR USE IN EACH CROP GROUP SECTION.

GENERAL USE RESTRICTIONS

USE RESTRICTIONS THAT APPLY TO ALL REGISTERED APPLICATIONS ARE LISTED BELOW:

- Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.
- Do not contaminate irrigation water or water used for domestic purposes.
- Do not use any plants treated with GALIGAN 2E herbicide for feed or forage.
- Do not feed or allow animals to graze on any areas treated with GALIGAN 2E herbicide.
- GALIGAN 2E herbicide should be applied only by ground application equipment except as specifically directed on this label or on other approved supplemental labeling.
- Do not apply when weather conditions favor drift. Avoid drift to all nontarget areas. GALIGAN 2E herbicide is phytotoxic to plant foliage.
- Thoroughly flush spray equipment (tank, pump, hoses, and boom) with clean water before and after each use. Residual GALIGAN 2E herbicide remaining in spray equipment may damage other crops. To assist in the removal of GALIGAN 2E herbicide residues in spray equipment, a non-ionic surfactant such as Latron® AG-98 or Latron CS-7 may be added at the rate of 1 quart per 100 gallons of water during flushing.
- Use GALIGAN 2E herbicide only for recommended purposes and at recommended rates.
- Do not treat ditch banks or waterways with GALIGAN 2E herbicide.
- On all labeled food and/or feed crops, the maximum seasonal application rate is 1.5 lbs. active ingredient (6 pints of this product) per acre (except tropical commodities grown in Hawaii).
- On all labeled ornamentals, the maximum application rate of 1.5 lbs. active ingredient (6 pints of this product) per application is allowed. A total of 4.5 lbs. active ingredient (18 pints of this product) is allowed per season.
- On all labeled conifer seedlings, the maximum application rate is 2 lbs. active ingredient (8 pints of this product) per acre.

• ROTATION CROP RESTRICTIONS

Do not rotate to small-grain crops (includes barley, buckwheat, corn, pearl millet, proso millet, oats, popcorn, rice, rye, sorghum, triticale, wheat, wild rice) within 10 months following GALIGAN treatment.

Do not direct seed any crops other than GALIGAN 2E-labeled crops within 60 days following a GALIGAN 2E treatment

Do not transplant seedling crops other than GALIGAN 2E-labeled crops within 30 days following a GALIGAN 2E treatment.

IMPORTANT: TREATED SOIL MUST BE THOROUGHLY INCORPORATED TO A DEPTH OF 4 INCHES AFTER HARVEST (OR ABANDONING) OF THE TREATED CROP BUT PRIOR TO PLANTING OF THE ROTATIONAL CROP. FAILURE TO ACHIEVE THIS THOROUGH AND COMPLETE INCORPORATION OR TO FOLLOW THE REQUIRED MINIMUM PLANT-BACK INTERVAL MAY RESULT IN CROP INJURY, STAND REDUCTION, AND/OR VIGOR REDUCTION OF THE PLANT-BACK CROP. See specific fallow

56/60

bed labeling regarding crop planting information for applications of GALIGAN 2E made to a fallow bed or fallow field.

failow field.	WEEDS LISTED						
COMMON NAME	SCIENTIFIC NAME	COMMON NAME	SCIENTIFIC NAME				
AGERATUM	Ageratum conyzoides	MUSTARD, BLACK	Brassica nigra				
AMARANTH, SPINY	Amaranthus spinosus	MUSTARD, BLUE (PURPLE MUSTARD)	Chorispora tenella				
BALSAMAPPLE	Momordica charantia	MUSTARD, COMMON YELLOW	Brassica campestris				
BARNYARDGRASS (WATERGRASS)	Echinochloa crus-galli	MUSTARD, HEDGE	Sisymbrium officinale				
BEDSTRAW, CATCHWEED	Galium aparine	MUSTARD, TUMBLE (JIM HILL MUSTARD)	Sisymbrium altissimum				
BITTERCRESS, LESSER	Cardamine oligosperma	MUSTARD, WILD	Brassica kaber				
BLUEGRASS, ANNUAL	Poa annua	NETTLE, BURNING	Urtica urens				
BUCKWHEAT, WILD	Polygonum convolvulus	NIGHTSHADE, AMERICAN BLACK	Solanum nodiflorum				
BURCLOVER	Medicago hispida	NIGHTSHADE, BLACK	Solanum nigrum				
BUTTERCUP,	Ranunculus abortivus	NIGHTSHADE, HAIRY	Solanum sarachoides				
SMALLFLOWER							
BUTTONWEED	Borreria laevis	OATS, WILD	Avena fatua				
CAMPHORWEED	Heterotheca subaxillaris	ORACH, RED	Atriplex rosea				
CANARYGRASS (ANNUAL)	Phalaris canariensis	OXALIS (BERMUDA BUTTERCUP)	Oxalis pes-caprae				
CARPETWEED	Mollugo verticillata	PANICUM, FALL	Panicum dichotomiflorum				
CHEESEWEED (MALVA)	Malva parviflora	PEPPERWEED, VIRGINIA	Lepidium virginicum				
CLOVER, RED	Trifolium pratense	PEPPERWEED,	Lepidium perfoliatum				
CLOVED MUITE	Trifalium ranana	YELLOWFLOWER	A see a see settle con to lite into a				
CLOVER, WHITE COCKLEBUR, COMMON	Trifolium repens Xanthium pensylvanicum	PIGWEED, PROSTRATE PIGWEED, REDROOT	Amaranthus blitoides Amaranthus retroflexus				
CRABGRASS, LARGE	Digitaria sanguinalis	PIMPERNEL, SCARLET	Anagallis arvensis				
(HAIRY)	Digitaria sarigurians	FIMFERIALL, SCARLLI	Ariagallis arverisis				
CROTALARIA	Crotalaria species	POINSETTIA, WILD	Euphorbia heterophylla				
CROTON, TROPIC	Croton glandulosus	PUNCTUREVINE	Tribulus terrestris				
CUDWEED, NARROWLEAF	Gnaphalium falcatum	PURSLANE, COMMON	Portulaca oleracea				
EVENINGPRIMOSE, CUTLEAF	Oenothera laciniata	PUSLEY, FLORIDA	Richardia scabra				
FIDDLENECK, COAST	Amsinckia intermedia	RAGWEED, COMMON	Ambrosia artemisiifolia				
FILAREE, BROADLEAF	Erodium botrys	REDMAIDS	Calandrinia caulescens				
FILAREE, REDSTEM	Erodium cicutarium	ROCKET, LONDON	Sisymbrium irio				
FILAREE, WHITESTEM	Erodium moschatum	RYEGRASS, ITALIAN	Lolium multiflorum				
FIREWEED (FROM SEED)	Epilobium angustifolium	SAGE, LANCELEAF	Salvia lanceplata				
FLIXWEED	Descurania sophia	SANDBUR, FIELD	Cenchrus incertus				
FOXTAIL, GIANT	Setaria faberi	SANDSPURRY, RED	Spergularia rubra				
FOXTAIL, GREEN	Setaria viridas	SESBANIA, HEMP	Sesbania exaltata				
FOXTAIL, YELLOW	Setaria lutescens	SHEPHERDSPURSE	Capsella bursa-pastoris				
GERANIUM, CAROLINA	Geranium carolinianum	SICKLEPOD	Cassia obtusifolia				
GOOSEGRASS	Eleusine indica	SIDA, PRICKLY (TEA WEED)	Sida spinosa				
GROUNDCHERRY, CUTLEAF	Physalis angulata	SIGNALGRASS, BROADLEAF	Brachiaria platyphylla				
GROUNDCHERRY, WRIGHT	Physalis wrightii	SMARTWEED, PENNSYLVANIA	Polygonum pensylvanicum				
GROUNDSEL, COMMON	Senecio vulgaris	SORREL, RED (FROM SEED)	Rumex acetosella				
HENBIT	Lamium amplexicaule	SOWTHISTLE, ANNUAL	Sonchus oleraceus				
HORSEWEED	Conyza canadensis	SPEEDWELL, BIRDSEYE	Veronica persica				
(MARESTAIL)	.						
JIMSONWEED	Datura stramonium	SPURGE, GARDEN	Euphorbia hirta				
JOHNSONGRASS,	Sorghum halepense	SPURGE, PROSTRATE	Euphorbia supina				
SEEDLING	Dali manusa anianta	CDUDOE COOTTE	E and a sub-				
KNOTWEED, PROSTRATE	Polygonum aviculare	SPURGE, SPOTTED	Euphorbia maculata				
LADYSTHUMB	Polygonum persicaria	SPURRY, CORN	Spergula arvensis				
(SMARTWEED) LAMBSQUARTERS,	Chenopodium album	TANSYMUSTARD	Descurainia pinnata				
COMMON	•		4				

COMMON

LETTUCE, PRICKLY

(CHINA LETTUCE)

MALLOW, LITTLE (MALVA) MAYWEED (DOG FENNEL)

MILE-A-MINUTE MINER'S LETTUCE MORNINGGLORY

SPECIES, ANNUAL MORNINGGLORY,

IVYLEAF

MORNINGGLORY, TALL

Lactuca serriola

Ipomoea hederacea

Ipomoea purpurea

Malva parviflora Anthemis cotula Polygonum perfoliatum Montia perfoliata Ipomoea species

THISTLE, RUSSIAN VELVETLEAF **WITCHGRASS** WITCHWEED

THISTLE, BULL

WOODSORREL, COMMON YELLOW

Cirsium vulgare

Salsola kali Abutilon theophrasti Panicum capillare Striga asiatica Oxalis stricta

APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION

Apply this product only through sprinkler (center pivot, continuous lateral move, side (wheel) roll, solid set, portable lateral, or low-volume (microsprinkler)), drip (trickle), or flood (basin) irrigation systems. Refer to the specific crop directions to determine which type of irrigation system to use. Do not apply this product through any other type of irrigation system.

Do not apply this product through any irrigation system unless the instructions for chemigation are followed. If application by chemigation is not specifically listed under the specific crop use instructions, GALIGAN 2E may not be applied to that crop through an irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

SPRINKLER CHEMIGATION (FOLIAR SPRAY USES)

For sprinkler irrigation, sufficient water should be applied at the beginning of the irrigation period to insure uniform wetting of the plant and/or soil surfaces. For solid set or portable lateral sprinkler systems, meter GALIGAN 2E at a continuous uniform rate during the middle one-third of the irrigation period to allow for uniform distribution to the vegetation and/or soil surface. Continue irrigation during the final one-third of the irrigation period to insure proper flushing of the irrigation system. For center pivot, continuous lateral move, side (wheel) roll sprinkler systems, meter Galigan 2E at a continuous uniform rate during the entire irrigation period. During sprinkler irrigation, sufficient water should be applied to insure water penetration to a depth of two inches.

To apply a pesticide using sprinkler chemigation, the chemigation system must meet the following specifications:

- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

FLOOD (BASIN) CHEMIGATION (SOIL DRENCH USES)

Galigan 2E herbicide should be continuously metered into the water during the entire irrigation period. Agitation in the pesticide supply tank is suggested. Best weed control results, from Galigan 2E herbicide applied through flood (basin) irrigation systems, are obtained when a uniform distribution and flow of irrigation water is maintained over level land.



Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as drop structure or weir box to decrease potential for water source contamination from backflow if water flow stops. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain functional automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

DRIP (TRICKLE) CHEMIGATION (SOIL DRENCH USES)

Meter GALIGAN 2E at a continuous uniform rate during the middle one-third of the irrigation period to allow for uniform distribution to the soil surface. For best results, GALIGAN 2E herbicide should be uniformly positioned across the wetted area to help reduce the "ring effect" of weed escapes as other products begin to break down around the emitter. Continue irrigation during the final one-third of the irrigation period to insure proper flushing of the irrigation system.

To apply a pesticide using drip (trickle) chemigation, the chemigation system must meet the following specifications:

- The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pipe and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

CHEMIGATION CALIBRATION FOR LOW-VOLUME SPRINKLERS (MICROSPRINKLERS) AND DRIP (TRICKLE) IRRIGATION SYSTEMS

Calculation of use rate is based on wetted area around emitters-NOT on vine acres. To determine correct amount of Galigan 2E herbicide, use the following formula:

1. Treated area per each emitter=A

A=3.14 x (radius x radius)

Example: If the average distance from emitter to perimeter of wetted area measured at the soil surface is 13 inches, the

 $A=3.14 \times (13" \times 13")$

A=3.14 x (169")

A=530.7 square inches

2. The area in square feet wet in each acre=B

B≈ A x emitters/acre

144

Example: If there are 300 emitters per acre, then $B=\underline{530.7 \times 300} = B=1105.6$ square feet wetted per acre 144

59/60

3. The total area (in square feet) wet by your system=C

C=B x acres covered by system

Example: If the system covers 20 acres, then C=1105.6 square feet per acre x 20 Acres C=22.112 square feet wetted by system

4. Amount of Galigan 2E to inject=S

Rate per treated acre of Galigan 2E=R

S= C x R= quarts of Galigan 2E 43.560

Example: if the desired application rate per treated acre is 1 quart of Galigan 2E, then $S=22.112 \times 1.0 = S = 0.507$ quarts of Galigan 2E should be injected into system 43,560

NOTE: Select the proper rate based on weed spectrum and length of control.

CHEMIGATION CALIBRATION FOR FLOOD (BASIN) IRRIGATION SYSTEMS

- 1. Determine acreage covered by flood irrigation.
- 2. Determine time required to irrigate area.
- 3. Fill metering solution tank with water and adjust flow rate to use contents over the predetermined time interval required.
- 4. Determine the amount of Galigan 2E herbicide required to treat area.
- 5. Add the recommended amount of Galigan 2E herbicide and water (if necessary) to bring solution to the amount required to apply the proper rate for the time interval established during calibration.
- 6. Meter Galigan 2E herbicide as recommended by label.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

If the chemigation system is connected to a public water supply, the following conditions must also be met:

- Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from a point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump)
 effectively designed and constructed of materials that are compatible with pesticides and capable of being
 fitted with a system interlock.
- Upon completion of herbicide application, remove scale, pesticide residues, and other foreign matter from the supply tank and entire injector system. Flush thoroughly with clean water.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE: Keep from freezing. Store above 32°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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If

burned, stay out of smoke.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Avoid breathing vapors. Use MSHA/NIOSH self-contained breathing apparatus or air-line respirator for large spills in confined areas. Dike the spill with inert material (sand, earth, etc.) and transfer the liquid or solid diking material to separate containers for recovery or disposal. Remove the contaminated clothing promptly and wash exposed skin areas with soap and water. Wash clothing before reuse. Keep spill out of all sewers and bodies of water. FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL INFOTRAC AT (800) 535-5053.

WARRANTY STATEMENT, tent permitted by any

MAKHTESHIM AGAN OF NORTH AMERICA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of MAKHTESHIM AGAN OF NORTH AMERICA. To the extent allowed by law, MAKHTESHIM AGAN OF NORTH AMERICA shall not be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM AGAN OF NORTH AMERICA makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM AGAN OF NORTH AMERICA's election, the replacement of this product.

Topern Fra

[®] Denotes registered trademark.

GALIGAN[®] is a trademark of AGAN Chemical Manufacturer, LTD., Israel.