26 FEB 1992

Ms. Donna M. nillebold Sandoz Agro, inc luou Last Touny Avenue Des Flaines, IL 60015

bear as. millebold:

Subject: SULLCAR® Dr

LEA Registration Lo. 35947-76

Application to Amend Registration bated February 17, 1992

TO Add Use Precaution for Use on Wine Grapes Grown in

in Coarse Soil in State of Washington, To Remove Restriction
for Use in Culture of Avocados, and to Clarify Use Precautions
for Use in Coacnella Valley in California

The proposed adenoments to the subject posticide product insching submitted in connection with registration under section of the rederal insectioner, rangicide and hodenticide not as adended are acceptable provided that you:

bubilt rive (b) printed copies of the class printed labeling before releasing the product for shipment.

It this condition is not complied with, the registration will be subject to cancellation in accordance with lifth, Section U(e). Your release for snipment of the product constitutes acceptance of this condition.

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

sincerely yours,

Joanne 1. miller Product manager (23) Pungionde-mercicide Branch Registration Livision (m-75050)

unclosure

Livilson: Disketternoz:02-20-02



SOLICAM DF

HERBICIDE FOR CONTROL OF GRASS (MONOCOTYLEDON) AND BROADLEAF (DICOTYLEDON) WEEDS IN TREE FRUITS AND NUTS, CANEBERRIES, GRAPES, ASPARAGUS AND NON-CROP AREAS.

ACTIVE INGREDIENT:	
Norflurazon [4-chloro-5-(methylamino)-	
2-(alpha, alpha, alpha-trifluoro-m-tolyl)-	
3(2H)-pyridazinone]	* 0.08
INERT INGREDIENTS	
	100.03

KEEP OUT OF REACH OF CHILDREN CAUTION PRECAUTIONARY STATEMENTS

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing.

STATEMENT OF PRACTICAL TREATMENT

Call physician or a poison control center. Drink 1 If swallowed: or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth unconscious person.

Wash with plenty of soap and water. Get medical If n skin:

attention if irritation persists.

Flush eyes with plenty of water. Get medical If in eyes: attention if irritation persists.

Environmental Hazards: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean highest water mark. Do not apply when ther conditions favor run-off or drift from treated areas common contaminate water when disposing of equipment washwaters. Letter Dates

26 FEB 1992

NET WT.: 5 POUNDS

U.S. PAT NO. 3,935,210 and 3,834,889

EPA Reg. No. 55947-78

EPA Est. No. 55618-SC-001

Under the Federal Insecticide. Pungieide, and Rodentinide Act as amended, for the pesticide regisjoped under EPA Box No.

SOLICAM is a Registered Trademark of Sandoz Ltd.

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I. DIRECTIONS FOR USE

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

Use Precautions

- o Do not apply to container grown plants
- o Do not apply to chemigatic, except for citrus
- o Do not apply to nursery stock except for citrus
- o Do not apply when nuts or fruit are on the ground at harvest.
- o In the Coachella Valley of California, SOLICAM DF may only be applied to asparagus, citrus and apples or non-cr:p areas. Do not use in stone fruits on the western slope of Colorado.
- o Do not apply to erodible soil which may wash into the root zone of sensitive plants or apply in greenhouses as crop injury may occur.
- o Do not use on wine grapes grown in coarse soils in the state of Washington.

II. GENERAL INFORMATION

SOLICAM DF is a preemergence herbicide which controls certain grass (monocotyledon) and broadleaf (dicotyledon) weeds in certain tree fruits and nuts, caneberries, grapes, asparagus and non-crop areas.

SOLICAM DF must be moved into the weed seed germination zone to be effective. If no rainfall occurs within 4 weeks after application, the product must be incorporated by flood or sprinkler irrigation. SOLICAM DF has no post-emergence activity and will not control established weeds. Existing weeds must be mechanically removed or controlled by using a suitable postemergence herbicide.

Multiple or sequential applications can be made, but the total quantity of SOLICAM DF applied within a year must not exceed the maximum recommended rate (see table section III.B.).

A. Rotational Crops

Use the following time interval restrictions before planting rotational or replacement crops in land treated with SOLICAM DF.

Crops listed on this label

Refer to tables of maximum SOLICAM DF rates in each crop section of this label for interval to wait after application before replacement or rotational crop can be planted.

Cotton

Wait 12 months before replanting to cotton.

Crops that do not have a SOLICAN DF use pattern described on this label.

Crops that do not have a SOLICAM DF use pattern listed should not be planted in SOLICAM DF treated soil until a test planting or bioassay of the next intended crop shows no sign of phytotoxicity (loss of pigments (whitening) in the leaf vein) for 4 months after emergence. Test plantings must be done to determine if the soil is free of residues of SOLICAM DF.

Cover crops planted in treated areas must not be harvested, grazed or fed to livestock.

B. Tank Mixes

SOLICAM DF may be tank mixed with other herbicides and liquid fertilizer. Some tank mix options for SOLICAM DF are listed in each crop section. Herbicides used as tank mix partners must be registered for use on crop where application is intended. When tank mixing, read and follow the label of each product for precautionary statements, directions for use, weeds controlled and geographic and other restrictions.

C. Mixing Instructions

Clean and calibrate the sprayer before preparing spray suspension. Add SOLICAM DF to the spray tank 3/4 filled with the required volume of water. This will eliminate or minimize foaming. Maintain agitation while filling and spraying. If a by-pass line is used, discharge at the bottom of the tank to further minimize foaming.

Do not allow SOLICAM DF spray mixture to remain in the spray tank overnight.

Predetermine the compatibility of labeled tank mixes with your source of water by mixing small proportional quantities in advance.

Amount of Herbicide to Add to One Pint of Water (Assuming Volume is 25 Gallons per Acre)

HERBICIDE	LABEL	AMOUNT TO MIX
FORMULATION	<u>RATE PER ACRE</u>	(Level Teaspoons)
Dry	1 lb.	1.5
Liquid	1 pt.	0.5

If herbicide(s) do not ball-up or form flakes, sludge, gels, oily films, layers or other precipitates, the mix is compatible. Incompatibility symptoms will usually occur within 5 minutes after mixing.

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If components are incompatible, consult with your local agricultural chemical dealer for the use of an acceptable compatibility agent. Rerun the above COMPATIBILITY TEST with a suitable compatibility agent (0.25 teaspoon is equivalent to 2 pints per 100 gallons of water).

Products should be added to the spray tank in the following order:

- 1. Wettable powders and water dispersible granules. Wettable powders should be premixed in a small amount of water. Water dispersible granulars should be added during filling. Mix thoroughly before other products are added.
- 2. Flowable liquids.
- 3. Emulsifiable concentrates.
- 4. Surfactants.

Begin adding wettable powders, flowable liquids, emulsifiable concentrates, and surfactants after the spray tank is 3/4 full. Continue agitation during the addition of all the materials and while filling and spraying.

<u>Always</u> predetermine tank mix compatibility by mixing small proportional quantities in a small container. If after vigorous shaking there are large flakes, gel, sludge, or other signs of incompatibility, do <u>not</u> use the combination. Always follow the order of addition given in the mixing instructions given above.

C. Application Equipment

SOLICAM DF should be applied using a carefully calibrated fixed boom sprayer. Filters with screen sizes of 50 mesh or larger should be used. Supplemental applications may be made in citrus using ring drench techniques or chemigation through low volume sprinkler or drip irrigation systems (see Special Directions for tree fruits and nuts, caneberries and grapes in section III.B.1 for additional information). Chemigation can only be used in citrus crops.

Row Treatment Calculation

When applying a row (or banded) treatment of SOLICAM DF, the following formula may be used to calculate the amount per acre:

Width of sprayed band
in feet Pounds per acre
x for broadcast = for row
treatment treatment
in feet

III. DIRECTIONS FOR TREE FRUITS AND NUTS, CANEBERRISS, GRAPES, ASPARAGUS AND MON-CROP AREAS

A. Weeds Controlled and Suppressed

SOLICAN DF at recommended rates controls the following weeds:

Broadleaf Weeds (Dicotyledons)

Black mustard Camphorweed* Carolina (Wild) geranium Common chickweed Common ragweed* Desert rockpurslane (redmaids) Dogfennel Falsedandelion (smooth cat's ear) Fiddleneck Filaree (redstem & whitestem) ** Flixweed Goldenrod* Little mallow London rocket Pineapple weed Prostate spurge Puncturevine Purple cudweed Shephe_dspurse Spreading dayflower* Stinging nettle Tumble mustard (Jimhill) Velvetleaf Virginia pepperweed Wild buckwheat

Brassica nigra Heterotheca subaxillaris Geranium carolinianum Stellaria media Ambroisia artemisiifolia Calandrinia ciliata Eupatoria capillifolium Pyrrhopappus carolinianus Amsinckia intermedia Erodium spp. Descurainia sophia Solidaga altissima Malva parviflora Sisymbrium irio Matricaria matricariodes Euphorbia humistrata Tribulus terrestris Gnaphalium purpureum Capsella bursa-pastoris Commelina diffusa Urtica dioica Sisymbrium altissimum Abutilon theophrasti

Lepidium virginicum Polygorum convolvulus

Grass and Sedge Weeds (Monocotyledons)

Annual bluegrass Annual sedge Bahiagrass (seedling) Barnyardgrass Bearded sprangletop Broadleaf signalgrass Cheat Crabqrass Crowfootgrass (seedling) * Downy brome Fall panicum Feather fingergrass **Foxtails**

Poa annua Cyprus compressus Paspalum notatum Echinochloa crus-galli Leptochloa fascicularis Brachiaria platyphylla Bromus secalinus Digitaria spp. Dactyloctenium aegyptium Promus tectorum Panicum dichotomiflorum Chloris virgata Setaria spp.

Goosegrass Guineagrass (seedling)* Italian ryegrass (annual

ryegass)

Johnsongrass (seedling)
Natalgrass (seedling)*
Pangolagrass (seedling)*

Sandbur (Longspine, Southern Cenchrus spp.

and Field)* Sixweeks grama

Southwestern cupgrass Tall fescue

Texas panicum Vaseygrass (seedling)* Wild barley

Wild onion Witchgrass Eleusine indica Panicum maximum Lolium multiflorum

Sorghum halepense Rhynchelytrum repens Digitaria decumbens

Bouteloua barbata
Eriochloa gracilis
Festuca arundinacea
Panicum texanum
Paspalum urvillei
Hordeum leporinium
Allium canadense
Panicum capillare

SOLICAM DF applied at recommended rates suppresses the following grass and broadleaf weeds:

Bermudagrass Common lambsquarters

Common Mallow Common purslane Florida pusley*

Groundsel

Hairy fleabane (flax-leaved

fleabane) Henbit

Horseweed (marestail)
Johnsongrass (rhizome)

Nutsedge

Orchardgrass

Pigweeds (redroot, tumble

and green amaranth)

Plaintains (bracted and

buckhorn) Poorjoe

)

Russian thistle

Quackgrass

Silverleaf nightshade Sowthistle, Annual

Torpedograss*

Wirestem muhly (Western

muhly)

Cynodon dactylon Chenopodium album Malva neglecta Portulaca oleracea Richardia scabra Senecio vulgaris Conyza bonariensis

Lamium amplexicaule Conyza canadensis Sorghum halepense Cyperus spp. Dactylis glomerata Amaranthus spp.

Plantago spp.

Diodia teres
Salsola iberica
Agropyron repens
Solanum elaeagnifolium
Sonchus oleracea
Panicum repens

Muhlenbergia frondosa

*When applied at the higher rates recommended for weed control in Florida citrus.

**Trea* prior to germination and incorporate with water on coarse and medium soils .or adequate control.

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B. Tree fruits and nuts, caneberries and grapes crop directions

SOLICAM DF should be applied prior to weed seed germination and when rainfall or irrigation is likely to occur within 4 weeks of treatment.

The soil should be settled, firm and relatively free of weeds and debris at the time of application. Soil should be free of depressions around trees or grape vines where rain or irrigation water can concentrate.

Apply as a directed spray to the soil. Avoid contact with fruit or foliage. Do not apply when nuts or fruits are on the ground at harvest.

Loss of pigment (whitening) of leaf veins may occur in almonds, cherries and grapes grown in coarse textured soils when SOLICAM DF is applied within 3 months after bud break.

Multiple or sequential applications can be made, but the total quantity of SOLICAM DF applied during a year must not exceed the maximum recommended rate for that crop and soil texture. Rainfall or irrigation is necessary to incorporate SOLICAM DF after each application.

SOLICAM® DF is recommended for application using at least 20 gallons of water per acre with suitable nozzles and pressure for directed ground application. Applications at less than 20 gallons should use appropriate low volume application equipment. Supplemental applications may also be made in citrus using ring drench techniques or chemigation through low volume sprinkler or drip irrigation systems (see Special Directions for tree fruits and nuts, caneberries and grapes section III-B-1 for additional information). Chemigation can only be used in citrus crops.

Read mixing, application and specific crop sections for additional recommendations and precautions. The following table lists the maximum rate of SOLICAM DF that can be used per year based on crop, soil texture and location of use (Read sections following for addition recommendations and precautions):

MAXIMUM SOLICAN DE RATES (LBS. PRODUCT/TREATED ACRE PER YEAR) BY SOIL TEXTURE

WYTHON SOCION			ED ACRE PER YEAR	:	T			
Crop	Sand, Loamy sand	Sandy town	Medium Loam, Silt loam, Silt, Sandy clay loam	Sandy clay, Clay loam, Silty clay loam, Silty clay clay, Clay	Months after planting to first allowed application (West/East of the Mississippi River)	Months after application to planting of replacement or rotational crop (West/East of the Mississippi River)	Special use directions (see list below)	
Citrus	2.5 - 5.0	2.5 - 5.0	3.75 - 3.0	5.0	0/0	0/0	2	
Irrigated Citrus (Floride and Texas only)	2.5 - 10.0	2.5 - 10.0	3.75 - 10.0	5.0 - 10.0	0/0	0/0	1,2	
Apple	2.5	2.5	3.75	5.0	0/0	0/0	3	
Avocado Blueberries Filbert	2.5	2.5	3.75	5.0	6/6	12/12	3	
Asperagus	2.5	2.5	3.75	5.0	12/12	12/12	3,9	
Nectorines Peach Pecan	2.5	2.5	3.75	5.0	18/6	18/12	3,6	
Apricot Blackberry Pear Plum Prume Raspberry Walnut	2.5	2.5	3.75	5.0	18/12	18/12	3,7	
Almond	1.25	2.5	3.75	5.0	18/18	18/18	3,4,5,8	
Cherry	Not recommended	2.5	3.75	5.0	18/18	18/18	3,4	
Grape	1,25	2.5	3.75	5.0	24/24	24/24	3,4,5,10	

directions.

- 3) Do not apply in nursery situations.
- 4) Loss of pigment (whitening) in leaf veins may occur on almonds, cherries or grapes grown in coarse textured soils when SOLICAM DF is applied within 3 months after bud break.
- 5) A registered tank mix partner may be required for broad spectrum control.
- 6) A higher rate of 3.75 lbs. of SOLICAM DF may be used in coarse textured Coastal Plains soils of the Southeast.
- 7) Apply to blackberries and raspberries during the dormant season. Temporary loss of pigment (whitening) in leaf veins may occur with normal use.
- 8) See following sections for pre-harvest application directions for almonds.
- 9) See Asparagus Use Directions.
- 10) Do not apply to wine grapes grown in coarse soil in the state of Washington.

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B.1. Special Directions for Citrus and Almonds.

Almonds - Pre-Harvest Application

SOLICAM DF may be used as a soil applied preemergence treatment prior to almond harvest. SOLICAM DF applied in this manner should be incorporated with 0.5 inches of irrigation water prior to weed germination and shaking or nut drop.

Citrus - Ring Drench Application (Florida Citrus Only)

Apply SOLICAM DF to newly planted (non-bearing) citrus as a ring drench treatment at the rate of 10 lbs. product broadcast per acre. Make only one application per year. Consult the following table for the ounces of SOLICAM DF to add to a 500-gallon water tank for various diameter rings.

OUNCES OF SOLICAM DF PER 500 GAL FOR RING DRENCH APPLICATION

	Diame	Diameter of ring				
	3 ft.	4 ft.	5 ft.			
3 gals./tree (167 trees/tank)	4.3	7.6	12.0			
5 gals./tree (100 trees/tank)	2.6	4.6	7.2			
7 gals./tree (71 trees/tank)	1.8	3.3	5.2			
10 gals./tree (50 trees/tank)	1.3	2.3	3.6			

Citrus - Chemigation (Citrus Crops Only)

Low volume sprinkler - 4 to 50 gallons per hour (gph) per emitter, drip - 0.5 to 3 gph per emitter. Point of application should be above ground.

Irrigation system should run a sufficient amount of time prior to SOLICAM DF injection to have all emitters functioning properly. After system is operating properly, length of injection should be such that at one period of time during the injection, the first and last emitters in the system contain SOLICAM DF treated water. Add SOLICAM DF to the supply tank already filled with the volume of water required for the injection period (this should be at least four (4) gallons for each pound of SOLICAM DF used). Maintain proper agitation in SOLICAM DF injection tank. SOLICAM DF should be mixed in clean water and injected down-line from filters. Following SOLICAM DF injection, system should be flushed for a period of time sufficient to clear the line of SOLICAM DF. (If SOLICAM DF application is made during a normal irrigation cycle, injection should be made during the late stage.)

Apply this product only through low volume sprinkler (micro sprinkler) and drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform 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 used for pesticide application to a public water system unless the prescribed safety devices for public water systems are in place. A person knowledgeable of the chemication system and responsible for its operation, or under the supervision of the responsible person, must shut the system down and make necessary adjustments should the need arise.

Application of SOLICAM DF through irrigation systems should be used as a supplemental weed control practice. The addition of SOLICAM DF through irrigation systems will help prevent weed escapes at the irrigation point when the application is made before weed seeds germinate.

Chemigation Calibration (Citrus Crops Only)

Calculation of use rate is based on <u>wetted area</u> around emitters - <u>NOT</u> on tree acres. To determine correct amount of SOLICAM DF, use the following formula:

- 1. Treated area per each emitter = A
- $A = 3.14 \times (radius \times radius)$

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

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

 $A = 3.14 \times (169^{\circ})$

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A = 530.7 square inches

2.The area in square feet wet in each acre = B
B = A x emitters/acre
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Example: If there are 300 emitters per acre, then $B = 530.7 \times 300 = B = 1105.6$ square feet wetted per acre.

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 system4. Amount of SOLICAM DF to inject = S

Rate per treated acre of SOLICAM DF = R $S = \frac{C}{43,560} \times R = \text{pounds of SOLICAM DF}$

Example: If the desired application rate per treated acre is 2.0 lbs of SOLICAM DF, then

 $S = 22.112 \times 2.0 = S = 1.02$ pounds of SOLICAM DF should be injected into the system.

(Note: Select the proper rate (R) based on soil texture, weeds to control and length of control required. The total amount of Solicam applied in a season from broadcast, ring drench and/or supplemental chemication applications cannot exceed the maximum rate stated in section III-C.)

- PRECAUTIONS FOR ALL SPRINKLER OR DRIP CHEMIGATION APPLICATIONS
 1. 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.
- 2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 3. 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.
- 4. 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 'he water pressure decreases to the point where pesticide distribution is adversely affected.
- 5. 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.
- 6.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.
- 7.Do not apply when wind speed favors drift beyond the area intended for treatment.
- 8.Application when drift may occur, such as from windy conditions, or when system joints and connections are leaking, or when nozzles are not providing uniform distribution, may cause crop injury.
- 9.Application should be directed in such a way that SOLICAM DF not come into contact with foliage.

ADDITIONAL PRECAUTIONS FOR CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

- 1. Public water system 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.
- 2.Chemigation systems connected to polic water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the 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 must 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.
- 3. All chemigation systems connected to public water systems must also follow restrictions listed in the preceding section titled "Precautions for All Sprinkler or Drip Chemigation Applications".

B.2. Tank mix recommendations for certain tree fruits and nuts, caneberries and grapes

Tank mixes are usually required to control the entire spectrum of weeds found in a particular grove, orchard or vineyard. Tank mix herbicides must be registered for use on crop where application is intended (Refer to the tank mix section II.B. of this label for specific directions).

Tank mix products for use with SOLICAM DF may include diuron (Karmex), Goal, Gramoxone, bromacil (Hyvar), Krovar I and II, Roundup, simazine (Princep) or Surflan if the herbicide is registered for the intended crop and use pattern. SOLICAM DF tank mix combinations should not include more than one of the following herbicides: diuron, Hyvar, Krovar, or simazine.

Tank mix herbicide(s) must be registered for use on crop where application is intended. The following table summarizes some of the common tank mix options with SOLICAM DF by crop (= tank mix option). If a tank mix is not listed below but both products have that crop individually listed on their label you may use that combination in accordance with the directions for use for each product.

EXAMPLE TANK MIX COMBINATIONS BY CROP

	diuron	Goal	Gramoxone	Hyvar	Krovar	Prowl	Roundu P	simazine	Sinbar	Surflar
Almond		/				1	1		_	1
Apple	1	1	1			1	1	1	1	
Apricot		1	1			1				1
Avocado		1	1				J	1		ď
Blackberry	1		1				·	1	1	1
Blueberries	1							1	1	1
Cherry		1				1	•			1
Citrus	•	/	1	1	1	/			1	1
Filbert		1	1			_	✓	1		1
Grape	1	1	1	-		1	1	1		1
Nectarine		1	1			1	-			1
Peach	1	1	1			1	1	-	1	
Pear	1	1	-				1	1		-
Pecan	1		1						1	1
Plum		1	/			1	1	1		1
Prune		1	1			1	1			1
Рез рветту	1		1					1	1	1
Walnut	1	1	/	•		1	1			1

^{*}For use in non-bearing citrus.

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Tank mix with a postemergence herbicide such as Gramoxone or Roundup when emerged weeds are present. Diuron (Karmex), Goal, Hyvar and Krovar I and Krovar II may provide postemergence control of certain weeds in addition to their residual preemergence control. Other herbicides listed for tank mix combinations will provide only preemergence activity. For control of additional weeds, products must be applied prior to weed emergence. Consult the use directions of the tank mix herbicide for specific weeds controlled.

Read and follow the label of each tank mix herbicide used for precautionary statements, directions for use, weeds controlled, and geographic and other restrictions.

C. Asparagus Directions

The soil should be settled, firm and relatively free of weeds and debris at the time of application. Soil should be free of depressions around asparagus where rain or irrigation water can concentrate.

Apply SOLICAM DF in a minimum of 20 gallons of water per acre as a broadcast preemergence treatment. Use the rates listed in the

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following table. Do not apply within 14 days of harvest. SOLICAM DF should not be applied if crop rotation or replacement is expected within 12 months (see the Rotational Crop section (II.A) for additional precautions).

Allow newly planted fields (direct seeded, seedlings or crowns) to become established for one season before application of SOLICAM DF.

Improved results may be obtained if crop debris is incorporated or removed prior to application.

Select the rate of SOLICAM DF to use from the following table:

ASPARAGUS: NAXINUM SOLICAN DF RATES (LBS. PRODUCT/TREATED ACRE PER YEAR) BY SOIL TEXTURE ---Fine------Coerse-----Nedium--Sandy loss Sandy Crop Send. Months after Months after Loan. Silt loom, Lowy sand clay, Clay planting to application to lom, first allowed planting of Silt, Sandy clay Silty clay application replacement or tom, rotational crop (West/East of Loan Silty the Mississip. (West/East of the Hississippi clay, Clay River) River) 2.5 2.5 3.75 5.0 18/18 18/18 Asperagus

C.1 Tank Mix Recommendations for Asparagus

Tank mix herbicides must be registered for use on crop where application is intended (Refer to the tank mix section II.B. of this label for specific directions).

SOLICAM DF may be tank mixed with other herbicides registered for use in asparagus such as BANVEL, diuron (Karmex), Gramoxone, Lorox, Roundup, metribuzin (Sencor, Lexone), simazine (Princep), trifluralin (Treflan) or 2,4-D(amine) when a broader spectrum of weeds would be expected. Consult the label(s) of the individual tank mix product(s) for specific recommendations on rate, application timing, weed species and crop safety. Follow directions, restrictions and precautions listed on the respective tank mix product label.

III.D. Non-Cropland Directions
SOLICAM DF may be used for preemergence weed control in noncropland areas including: industrial sites, right-of-way
(highway, pipeline, railroad or utility) and other non-cropland
areas.

Apply SOLICAM DF at a rate of 2.5 to 5 pounds of product per treated acre for non-cropland areas. Higher rates within the range should be used for finer textured soils and where longer residual is desire

Since SOLICAM DF is a preemergence herbicide it must be applied to the soil surface before weeds germinate. Existing weeds should be mechanically removed or controlled with a suitable postemergence herbicide. SOLICAM DF must be incorporated into the soil by rainfall or sprinkler irrigation within 4 weeks of application for best weed control.

D.1 Tank mix recommendations for non-cropland

Tank mix herbicides must be registered for use on non-crop situation where application is intended (Refer to the tank mix section II.B. of this label for specific directions).

Tank mix combinations may be desired for broader spectrum preemergence control or postemergence control of emerged weeds or woody shrubs. SOLICAM DF may be tankmixed with Arsenal, atrazine, BANVEL, diuron (Karmex), Garlon (amine), Gramoxone, Hyvar, Krovar, Oust, Roundup, Spike, simazine (Princep), Surflan, Telar, Velpar or 2,4-D (amine). Refer to the use directions of the respective tank mix herbicide for additional weeds controlled, rates and precautions.

IV. Warranty and Conditions of Sale

Limited Warranty And Liability

Sandoz Crop Protection Corporation warrants that the chemical composition of this product conforms to the chemical description on the label and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. Sandoz makes no other warranty, express or implied, concerning the use of this product other than as indicated on the label. Puyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given on the label.

V. STORAGE AND DISPOSAL

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

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If waste cannot be disposed of by use of label instructions, contact your state pesticide or environmental control agency or hazardous waste representative at the nearest EPA Region Office for guidance.

Container Disposal: Completely empty and triple rinse container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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