

# Sollicam<sup>®</sup> DF

dry flowable herbicide

FOR CONTROL OF GRASS AND BROADLEAF WEEDS IN TREE FRUIT AND NUT CROPS, CITRUS AND HOPS

## ACTIVE INGREDIENT:

norflurazon [4-chloro-5-(methylamino)-2-(alpha,  
alpha,alpha-trifluoro-m-tolyl)-3(2H)-pyridazinone]. . 80.0%

INERT INGREDIENTS . . . . . 20.0%  
100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

## PRECAUTIONARY STATEMENTS

**Environmental Hazards:** Do not apply directly to any body of water. Do not apply when weather conditions favor runoff or drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

**NOTICE:** Sandoz, Inc. makes no warranty, expressed or implied, including the warranties of merchantability and/or fitness for any particular purpose concerning this material, except those which are contained on this label.

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## WEEDS CONTROLLED

Sollicam at recommended rates controls the following weeds:

Annual bluegrass	Annual bursage
Annual sedge	Carolina geranium
Bahiagrass	Chickweed
Barnyardgrass	Common purslane
Broadleaf signalgrass	Cudweed
Cheat	Dog fennel
Crabgrass	False dandelion
Downy brome	(smooth cat's ear)
Fall panicum	Fiddleneck
Feather fingergrass	Filaree (redstem and whitestem)
Foxtail (green & yellow)	Little mallow
Italian ryegrass	(cheeseweed)
Ripgut brome	London Rocket
Southwestern cupgrass	Pineapple weed
Six weeks grama grass	Prostrate spurge
Tall fescue	Puncturevine
Texas panicum	Redmaids
Wild barley	Russian chistle
Wild onion	Shepherdspurse
Witchgrass	Southistle
	Virginia pepperveed
	Wild buckwheat
	Wild geranium

Sollicam at recommended rates suppresses the following weeds:

Bermudagrass	Common lambsquarters
Orchardgrass	Groundsail
Purple nutsedge	Henbit
Quackgrass	Horseweed (marestail)
Rhizome johnsongrass	Pigweed (redroot)
Yellow nutsedge	tumble and green
Western muhly	amaranth
(viridescens muhly)	Plantain (bracted and buckhorn)
	Poorjoe
	Silverleaf nightshade
	(white horsebettle)

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EPA Reg. No. 11273-  
EPA Est. No.

SANDOZ, Inc., Crop Protection  
480 Camino Del Rio So., San Diego, California 92108

## DIRECTIONS FOR USE

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

### GENERAL INFORMATION

SOLICAM is a herbicide for control of certain grasses and broadleaf weeds in tree fruit and nut crops, citrus and hops.

SOLICAM must be moved into the weed root zone to be effective. If no rainfall occurs within four weeks after application, the product must be activated by flood irrigation or sprinkler irrigation. SOLICAM alone has no post-emergence activity and will not control established weeds.

Do not graze livestock on treated areas. Do not feed or graze cover crops grown in treated orchards.

In the following locations, do not use SOLICAM in deciduous crops: Arizona, and the Coachella, Imperial, Palo Verde and Tehachapi Valleys of California. Do not use in stone fruits on the western slope of Colorado.

### APPLICATION DIRECTIONS

Apply SOLICAM before weeds emerge. The soil surface must be free of weeds and relatively free of plant residues. The soil should be settled and firm at the time of application.

Apply as a directed spray. Avoid contact with fruit or foliage. Make only one application per year. Do not apply when nuts or fruit are on the ground at harvest.

### Equipment

Apply accurately with a fixed boom sprayer. Use screen size 50 mesh or larger.

### Mixing Instructions

Clean and calibrate the sprayer. Pre-mix the proper amount of SOLICAM with a small amount of water. Add this to the spray tank already filled with 3/4 the required volume of water. Maintain agitation while filling and spraying. If a by-pass line is used, discharge at the bottom of the tank to minimize foaming.

Do not allow SOLICAM spray mixture to remain in the spray tank overnight, because settling could occur and resuspension would be difficult.

### Broadcast Rates

Use 2 1/2 - 5 lbs. of SOLICAM DF per acre as a directed spray in 20-100 gallons of water.

Use the lower rates on coarse soils. Use the higher rates on medium to fine soils or soils having organic matter content of greater than 3%.

SOIL TEXTURE	SOIL TYPE	SOLICAM DF RATE OF APPLICATION
Coarse	sand, loamy sand, sandy loam	2.5 lbs.
Medium	loam, silt loam, silt, sandy clay loam	3.75 lbs.
Fine	sandy clay, clay loam, silty clay loam, silty clay, clay	5.0 lbs.

### Strip or Band Treatment:

When applying a strip treatment of SOLICAM, the following formula may be used to calculate the amount per acre:

Width of strip in feet	X	Pounds per acre for broadcast treatment	=	Pounds per acre for strip treatment
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## CROP RECOMMENDATIONS

### DECIDUOUS TREE FRUIT AND NUT CROPS

Apply SOLICAM as directed to the soil surface from fall to early spring before weeds emerge unless indicated otherwise. ✓

Do not use on nursery stock.

#### Almonds, Cherries ✓

In California and the Pacific Northwest, apply SOLICAM as directed from October through the end of January. Elsewhere, apply as directed from fall to early spring before weeds emerge. Use only on trees that have been established at least 18 months in the field. Do not use on coarse textured soils such as sand, loamy sand, gravelly sand, fine sand, and sandy loam. ✓

#### Apples, Peaches ✓

Apply SOLICAM as directed. The product may be used on newly planted apples and peaches, provided the soil around the tree is firm and there are no depressions in which rain or irrigation water could accumulate. However, in California and the Pacific Northwest, peach trees must be established at least 18 months in the field. ✓

#### Apricots, Filberts, Nectarines, Pears, Plums, Prunes, and Walnuts ✓

Apply SOLICAM as directed. Trees must be established at least 18 months in the field in California and the Pacific Northwest. Elsewhere, trees must be established at least 12 months in the field. ✓

### Pecans

Apply SOLICAM as directed to bearing and non-bearing pecans. The product may be used on newly planted trees in the Southeast. Elsewhere, trees must be established at least 12 months in the field. Do not use in New Mexico, Arizona or in Texas west of the Pecos River. ✓

### CITRUS CROPS

Apply SOLICAM as directed any time during the year according to local practice. Higher rates of 3.75-5 lbs./acre can also be used in coarse textured soils and incorporated to a depth of not more than 3-4 inches for increased activity against less susceptible weeds. SOLICAM may be used in newly planted citrus. ✓

Do not use on nursery stock.

Do not use where citrus is interplanted with palm trees.

### HOPS

Apply SOLICAM as directed to the soil surface in the fall after the hop yards have been worked for the last time, or within one week after stringing in the spring. ✓

Use only on hops that have been established at least 18 months in the field. ✓

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## SOLICAM TANK MIX COMBINATIONS

The following tank mix combinations are recommended for improved control of weeds in tree fruit and nut crops, including citrus. No label dosage rates may be exceeded and the more restrictive label limitations and precautions should be observed. Before applying these combinations, read thoroughly all precautionary statements and other information in both labels. SOLICAM may not be tank-mixed with any product containing a prohibition against such mixing.

### SOLICAM DF Plus Paraquat CL

This tank mix combination is recommended for kill of existing vegetation and for residual preemergence control of susceptible broadleaf and grassy weeds in all tree crops listed on this label.

Apply 2 1/2-5 lbs. of SOLICAM DF per acre and 1-2 qts. of Paraquat CL per acre in 50-100 gals. of water per acre. Apply to the orchard floor avoiding contact with fruit, foliage, or stems. Add a nonionic surfactant such as X-77® at the rate of 1/2 pint per 100 gallons of spray. Apply when the weeds and grasses are succulent and new growth is 1-6 inches tall. Mature and dense weed cover should be removed prior to application to allow the spray mixture to contact the soil surface. Apply this combination only once per year.

Do not spray under windy conditions, and use a shield for young trees. Refer to the SOLICAM and Paraquat CL labels for further directions, cautions, warnings, precautions, and notes.

### SOLICAM DF plus Princep® 80W or other Simazine 80W Products

This tank mix combination is recommended for improved control of broadleaf weeds, and more specifically the following:

Clover	Horseweed (marestail)
Dandelion	Lambsquarters
Henbit	Pigweeds

This combination may be used in the following crops:

Almonds	Oranges
Apples	Peaches
Cherries	Pears
Filberts	Pecans
Grapefruit	Plums
Lemons	Walnuts

Apply the appropriate rates in the following table as a tank mix in 20-100 gals. water per acre. Apply as a directed spray to the soil surface before weeds emerge, avoiding contact with fruit, foliage, or stems.

Soil type	Pounds Product Per Acre	
	SOLICAM DF	Simazine 80W
Medium	2.5	1.25
Fine	3.75	2.5

Do not use this combination in coarse soils. Use only in those crops and locations specified in both the SOLICAM DF and Simazine 80 W labels.

### SOLICAM DF Plus Karmex® 80WP or Other Diuron 80WP Products

There may be instances where the combination with Diuron will improve overall weed control in sandy loam, medium or fine soils. SOLICAM at labelled rates is safe in citrus crops in all soil types when used alone.

This combination may be used in the following crops:

Apples	Pears
Citrus	Pecans
Pecans	Walnuts

Apply the appropriate rates in the following table as a tank mix in 20-100 gals. water per acre. Apply as a directed spray to the soil surface before weeds emerge, avoiding contact with fruit, foliage or stems.

Soil Type	Pounds Product Per Acre	
	SOLICAM DF	Diuron 80WP
Sandy loam	1.75	1
Medium	2.5	1.5
Fine	3.75	2

In California and Arizona use this combination in citrus only. Do not use this combination on sand, loamy sand, gravelly soils or exposed subsoils, or in soils with less than 1% organic matter (0.5% for pecans). Use only in those crops and locations specified in both the SOLICAM DF and Diuron 80WP labels.

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X-77 is a registered trademark of Kalo Agricultural Chemicals, Inc.

Princep is a registered trademark of the CIBA-GEIGY Corporation.

Karmex is a registered trademark of E.I. Dupont de Nemours and Company.

#### STORAGE AND DISPOSAL

Storage: Do not store near or contaminate feed or foodstuffs.

Pesticide Disposal: Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures. ✓

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities.

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