

# Sollicam®

## 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]. . . 56.7%

INERT INGREDIENTS . . . . . 43.3%

100.0%

gallon contains 6 lbs. of norflurazon)

with comment  
JUN 23 1955  
11273-390

KEEP OUT OF REACH OF CHILDREN

**WEEDS CONTROLLED**

**CAUTION**

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS  
AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

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

**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.

NET WT.

Sollicam at recommended rates controls the following weeds:

- |                          |                      |
|--------------------------|----------------------|
| Annual bluegrass         | Annual burrage       |
| Annual sedge             | Carolina geranium    |
| Bahiggrass               | Chickweed            |
| Barnyardgrass            | Common purslane      |
| Broadleaf signalgrass    | Cudweed              |
| Chest                    | Dog faenel           |
| Crabgrass                | False dandelion      |
| Downy brome              | (smooth cat's ear)   |
| Fall panicum             | Fiddleneck           |
| Feather fingergrass      | Filaree (redstem and |
| Foxtail (green & yellow) | whitestem)           |
| Italian ryegrass         | Little mallow        |
| Johnsongrass (seedling)  | (cheeseweed)         |
| Rabbit bromo             | London Rocket        |
| Southwestern cupgrass    | Pineapple weed       |
| Six weeks grama grass    | Prostrate spurge     |
| Tall fescue              | Puncturevine         |
| Texas panicum            | Redmaids             |
| Wild barley              | Russian thistle      |
| Wild onion               | Shepherd's purse     |
| Witchgrass               | South'st-            |
|                          | Virginia pepperweed  |
|                          | Wild buckwheat       |
|                          | Wild geranium        |

Sollicam at recommended rates suppresses the following weeds:

- |                                |  |
|--------------------------------|--|
| Bermudagrass                   | Common lambsquarters                       |
| Orchardgrass                   | Groundsel                                  |
| Purple nutsedge                | Henbit                                     |
| Quackgrass                     | Horsetail (horsetail)                      |
| Rhizome johnsongrass           | Figworts (redroot,                         |
| Yellow nutsedge                | tumble and green                           |
| Western wuhly (wirestem wuhly) | amaranth)                                  |
|                                | Plantains (bracted and buckhorn)           |
|                                | Pearjoe                                    |
|                                | Silverleaf nightshade (white horse-nettle) |

**BEST DOCUMENT AVAILABLE**

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

Sandoz Inc., Crop Protection, 480 Del Rio So., San Diego, CA 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. Fill the tank with one-half the required amount of clean water and add the recommended amount of SOLICAM Flowable while maintaining agitation. Triple rinse empty container and add all rinsate to spray tank. Maintain agitation while filling and spraying.

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 1 1/3 - 2 2/3 quarts of SOLICAM Flowable 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%.

<u>SOIL TEXTURE</u>	<u>SOIL TYPE</u>	<u>SOLICAM FLOWABLE RATE OF APPLICATION</u>
Coarse	sand, loamy sand, sandy loam	1 1/3 qts.
Medium	loam, silt loam, silt, sandy clay loam	2 qts.
Fine	sandy clay, clay loam, silty clay loam, silty clay, clay	2 2/3 qts.

#### Strip or Band Treatment:

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

<u>Width of strip in feet</u>	X	<u>Quarts per acre for broadcast treatment</u>	=	<u>Quarts per acre for strip treatment</u>
<u>Distance between rows in feet</u>				

IF YOU HAVE ANY QUESTIONS

## CROP RECOMMENDATIONS

### DECIDUOUS TREE FRUIT AND NUT CROPS

Apply SOLICAM 80WP 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 80WP 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 80WP 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 80WP 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 80WP 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 80WP 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 80WP 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 80WP 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.

### 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 80WP may not be tank-mixed with any product containing a prohibition against such mixing.

#### SOLICAM 80WP 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 80WP per acre and 1-2 qts. of Paraquat CL per acre in 50-200 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 80WP and Paraquat CL labels for further directions, cautions, warnings, precautions, and notes.

#### SOLICAM 80WP 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 80 WP	Simazine 80W
Medium	2.5	1.25
Fine	3.75	2.5

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

#### SOLICAM 80WP 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 80WP 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 80 WP	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 locations specified in both the SOLICAM 80WP and Diuron 80WP labels.

BEST DOCUMENT AVAILABLE

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.

BEST DOCUMENT AVAILABLE

<b>U.S. ENVIRONMENTAL PROTECTION AGENCY</b> OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (HJH-547) WASHINGTON, D.C. 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE <b>JUN 29 1983</b>
	TERM OF REGISTRATION	
	NAME OF PESTICIDE PRODUCT	
<b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION <i>(Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended.)</i>		
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
<p style="text-align: center;"> <input type="checkbox"/> <span style="margin-left: 150px;"><input type="checkbox"/></span>  <input type="checkbox"/> <span style="margin-left: 150px;"><input type="checkbox"/></span> </p>		
<p><b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.</p>		
<p>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.</p> <p>A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.</p> <p>Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p>		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE <b>JUN 29 1983</b>

- d. Under Sulcat's Sulfex 50 WP, you have listed peaches twice. Do you mean to include peaches?
- e. Change Net Wt. to Net contents.

We are accepting the formula statements submitted September 17, 1962 and March 4, 1963 for this product.

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

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

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

Richard F. Mountfort *RFM*  
Product Manager (23)  
Fungicide-Herbicide Branch  
Registration Division (RS-767)

Enclosure

1