

 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 401 "M" St., S.W. Washington, D.C. 20460</p> <p style="text-align: center;"><b>NOTICE OF PESTICIDE:</b> <u>  X  </u> Registration <u>      </u> Reregistration</p> <p>(under FIFRA, as amended)</p>	<p>EPA Reg. Number: 45639- 163</p>	<p>Date of Issuance: <b>MAR 08 1994</b></p>
	<p>Term of Issuance: <b>Until Reregistration</b></p>	
	<p>Name of Pesticide Product: <b>Carzol SP in Water Soluble Packaging</b></p>	
<p>Name and Address of Registrant (include ZIP Code): <b>Nor-Am Chemical Company 2711 Centerville Road Little Falls Centre One Wilmington, Delaware 19808</b></p>		
<p><b>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.</b></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>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.</p> <p style="text-align: center;">This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</li> <li>2. Make the following label changes: <ol style="list-style-type: none"> <li>a. Revise the EPA Registration Number to read, "EPA Reg. No. 45639-163."</li> <li>b. Revise the Dosage Chart to include rates in ounces of Carzol SP per acre corresponding to rates in the Application Table. Alternatively, revise the Application Table to include rates in pounds per acre corresponding to the Dosage Chart.</li> </ol> </li> </ol>		
<p>Signature of Approving Official:  Dennis H. EDWARDS</p> <p>Dennis H. Edwards, Jr. Product Manager (19) Insecticide-Rodenticide Branch Registration Division (7505C)</p>	<p>Date:  <b>MAR 08 1994</b></p>	

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3. Submit two copies of the revised final printed label for the record.

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.

Sincerely yours,

DENNIS H. EDWARDS

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

# SPECIMEN LABEL

with COMMENTS  
in EPA Letter Dated

MAR - 8 1994

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**BEST AVAILABLE COPY**

FOR AGRICULTURAL USE ONLY

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

45639-163

# Garzol SP<sup>®</sup>

## IN WATER SOLUBLE PACKAGING

### MITICIDE/INSECTICIDE

ACTIVE INGREDIENT:

Formetanate hydrochloride

INERT INGREDIENTS:

N,N-dimethyl-N-[3-[(methoxycarbonyloxy)phenyl]  
methanimidamido]methanehydrochloride

Percent by Weight

TOTAL

EPA Reg. No. 45639-

EPA Est. No. 33689-WG-1

### KEEP OUT OF REACH OF CHILDREN



## DANGER — POISON PELIGRO — VENENO



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

### STATEMENT OF PRACTICAL TREATMENT

THIS PRODUCT IS AN N METHYL CARBAMATE.

IF SWALLOWED: Do not induce vomiting. Give 1-2 glasses of water. If symptoms persist, call a physician.

IF ON SKIN: Wash with plenty of water. If symptoms persist, call a physician.

IF IN EYES: Flush with water for 15 minutes. Call a physician.

NOTICE TO PHYSICIAN: This pesticide is a carbamate. It is rapidly absorbed and metabolized. It is not stored in the body.

SEE REAR AND SIDE PANELS FOR  
ADDITIONAL PRECAUTIONS AND DIRECTIONS FOR USE  
DO NOT REUSE THIS BOX

## NOR-AM

NOR-AM CHEMICAL COMPANY

AGRI-BUSINESS DIVISION  
Little Ferry, New York  
201-641-1000  
New York, New York

NET CONTENTS:

## PRECAUTIONARY STATEMENTS DANGER

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Fatal if swallowed. Do not breathe spray mist. Can cause irreversible eye damage. May cause skin sensitization. Do not get in eyes, on skin or on clothing.

### PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other handlers must wear:

- Long-sleeved shirt & long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).
- For exposures outdoors, a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

### ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft 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.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Cover or incorporate spills.

This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treatment area. Do not allow animals to graze in orchard areas treated with CARZOL® SP.

## STORAGE AND DISPOSAL

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide wastes are acutely hazardous. 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:** Completely empty soluble bag into application equipment. Then dispose of empty box in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**IN CASE OF FIRE, LEAKY OR DAMAGED CONTAINERS OR OTHER EMERGENCY, REPORT AT ONCE BY TOLL-FREE TELEPHONE TO: 800-424-9300.**

### 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 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. The 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) of 48 hours.

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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

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CARZOL SP is completely soluble in water. Preparation of a premix of slurry before adding to the spray tank is not necessary. Fill the spray tank with one-half of the total amount of water to be used. After opening each box to be used, open its foil liner. Immediately dump the contents of the required number of boxes of soluble bags into the mix tank. Fill the tank with the additional quantity of water required and then start the agitator. Refer to the chart below to determine the proper dosage of CARZOL SP.

### DOSAGE CHART FOR CARZOL SP

Desired Rate of CARZOL SP per acre (pounds)	One 2.5 lb package of CARZOL SP will treat this many acres at the desired rate
1/2	5
3/4	4
1	2 1/2
1 1/4	2
1 1/2	1 3/4
1 3/4	1 1/2
2	1 1/4
3	3/4
4	3/4

NOTE: CARZOL SP is not stable in alkaline water. Do not prepare the spray mixture until just before application. Do not prepare more spray mixture than will be used within 4 hours.

### USE PRECAUTIONS

To avoid excessive residues, observe the following limitations:

- CITRUS: Do not apply more than 5 lbs. CARZOL SP per acre in a 12 month period.  
Arizona and California: Allow 14 days between applications.  
Florida and Texas: Allow 30 days between applications.  
NOTE: If brown soft scale is present in the grove, a suitable scallicide should be applied after the CARZOL SP application.
- APPLES, PEARS: Do not apply more than 4 lbs. CARZOL SP per acre in one crop season.
- PEACHES: Do not apply more than 2 1/2 lbs. CARZOL SP per acre in one crop season.
- NECTARINES: Do not apply more than 4 lbs. CARZOL SP per acre in one crop season.
- PLUMS, PRUNES: Do not apply more than 3 lbs. CARZOL SP per acre in one crop season.
- ALFALFA (Seed Crop Only): Use this product only on pure stands of alfalfa to be harvested for seed. Do not allow spray to drift onto adjacent crops. Do not allow livestock to graze treated fields. Do not use treated crops for livestock feed. Crop residues are not to be fed to livestock or baled for such use. Fields treated with CARZOL SP must be cleared after harvest by burning or by disking into the soil. CARZOL SP does not control aphids. If aphids appear, add an aphicide to the spray. Do not apply more than 2 lbs. CARZOL SP per acre per season. Do not make more than 2 applications of CARZOL SP per season. Allow 21 days before harvest.
- Do not apply this product through any type of irrigation system.

To avoid excessive residues observe the pre-harvest intervals shown in the table.  
For other use limitations see side panel under Use Precautions.

CROP	PEST	APPLICATION
ORANGES, LEMONS, TANGERINES, TANGELOS, AND GRAPEFRUIT (Arizona only)	THRIPS	Apply 1/2 to 1 1/2 lbs. of CARZOL SP per acre as outside coverage spray when thrips appear. For aerial applications, use a minimum of 10 gallons of water per acre. Apply as needed up to a limit of 5 lbs. CARZOL SP per acre per 12 month period. Allow 7 days before harvest.
ORANGES, LEMONS, LIMES, TANGERINES, TANGELOS, AND GRAPEFRUIT (California Only)	THRIPS	Apply 1/2 to 1 1/2 lbs. of CARZOL SP per acre as outside coverage spray when thrips appear. For aerial application, use a minimum of 10 gallons of water per acre. Apply no more than twice per season. Allow 7 days before harvest.
ORANGES, LEMONS, LIMES, TANGERINES, AND GRAPEFRUIT (Florida)	APOPKA WEEVIL, CITRUS ROOT WEEVIL (BLUE-GREEN WEEVIL), FULLER'S ROSE BEETLE, LITTLE LEAF NOTCHER	Apply 1 lb. CARZOL SP as a concentrate spray of 100 gallons per acre, or less. Repeat application as needed. Allow 7 days before harvest.
ORANGES, LEMONS, LIMES, TANGERINES, AND GRAPEFRUIT (Florida)	RUST MITE	Apply 1/2 to 1 lb. CARZOL SP per acre. Repeat application as needed. Allow 7 days before harvest.
ORANGES, LEMONS, TANGERINES, AND GRAPEFRUIT (Texas)	RUST MITE	Use 2-4 oz. CARZOL SP per 100 gallons of water when mites appear. For full cover dilute spray, apply 500 gallons of water per acre. Repeat application as needed. Allow 7 days before harvest.
APPLES	TENTIFORM LEAF MINER	Use 4-8 oz. CARZOL SP per 100 gallons of water at pink and petal fall. For full cover dilute spray, apply 400 to 800 gallons of water per acre depending on the size of the trees. For concentrate spray, apply 1-4 lbs. CARZOL SP per acre in at least 50 gallons of water. Allow 7 days before harvest.
APPLES	WHITE APPLE LEAFHOPPER	Use 2-4 oz. CARZOL SP per 100 gallons when leafhoppers appear. For full cover dilute spray, apply 400 gallons of water per acre. For concentrate spray, apply 1/2-1 lb. CARZOL SP per acre in at least 50 gallons of water. Repeat application as needed. Allow 7 days before harvest.
APPLES (except California)	CAMPYLOMMA	Use 4 oz. CARZOL SP per 100 gallons of water at pre-bloom/bloom and repeat as necessary through petal fall. For full cover dilute spray, apply 400 gallons of water per acre. For concentrate spray or dilute application of less than 400 gallons, apply 1 lb. CARZOL SP per acre in a minimum of 50 gallons of water per acre. For aerial applications, use a minimum of 10 gallons of water per acre. Apply at night or while bees are not working in blooms. Allow 7 days before harvest.
APPLES AND PEARS	EUROPEAN RED MITE, TWO SPOTTED MITE	Use 4-8 oz. CARZOL SP per 100 gallons of water when mites appear. For full cover dilute spray, apply 400 to 800 gallons of water per acre depending on the size of the trees and severity of the mite infestation. For concentrate spray, apply 1-4 lbs. CARZOL SP per acre in at least 50 gallons of water. Repeat application as needed. Allow 7 days before harvest.
APPLES (Also see below for Arizona only)	THRIPS	Use 4-6 oz. CARZOL SP per 100 gallons of water at bloom and repeat as necessary through petal fall. For full cover dilute spray, apply 400 gallons of water per acre. For concentrate spray or dilute application of less than 400 gallons, apply 1 to 1 1/2 lbs. CARZOL SP per acre in a minimum of 50 gallons of water per acre. Apply at night or while bees are not working in blooms. Allow 7 days before harvest.
PEARS	PEAR RUST MITE	Use 4 oz. CARZOL SP per 100 gallons of water. Apply post bloom to harvest at first indication of rust mite infestation. For full cover dilute spray, apply 400-800 gallons of water per acre depending on the size of the trees. For concentrate spray, apply 1-2 lbs. CARZOL SP per acre in at least 50 gallons of water. Repeat application as needed. Allow 7 days before harvest.
PEACHES AND NECTARINES	EUROPEAN RED MITE, McDANIEL MITE, TWO-SPOTTED MITE	Use 4 oz. CARZOL SP per 100 gallons of water when mites appear. For full cover dilute spray, apply 400 to 500 gallons of water per acre depending on the size of the trees. For concentrate spray, apply 1-1 1/2 lbs. CARZOL SP per acre in at least 50 gallons of water. Repeat application as needed. Allow 21 days before harvest for peaches, 14 days for nectarines.
PEACHES	LYGUS BUGS, STINK BUGS	Use 4 oz. CARZOL SP per 100 gallons of water at first sign of infestation. For full cover dilute spray, apply 400-500 gallons of water per acre. For concentrate spray, apply 1-1 1/2 lbs. CARZOL SP per acre. Repeat application as needed. Allow 21 days before harvest.
NECTARINES	THRIPS	Use 4-8 oz. CARZOL SP per 100 gallons of water when thrips infest blossoms through petal fall. For full cover dilute spray, apply 400 to 500 gallons of water per acre depending on the size of the trees. For concentrate or aerial spray, apply 1-2 lbs. CARZOL SP per acre. Apply at night or while bees are not working in blooms. Repeat application as needed. Allow 14 days before harvest.
PLUMS AND PRUNES	EUROPEAN RED MITE, McDANIEL MITE, TWO-SPOTTED MITE	Use 4 oz. CARZOL SP per 100 gallons of water when mites appear. For full cover dilute spray apply 400 to 500 gallons of water per acre depending on the size of the trees. For concentrate spray, apply 1-1 1/2 lbs. CARZOL SP per acre in at least 50 gallons of water. Repeat application as needed. Allow 7 days before harvest.
ALFALFA (seed crop only in California, Oregon, Washington, Idaho, and Nevada. Use pre-bloom only on alfalfa in all areas except California)	LYGUS BUGS	Use 1/2-1 lb. CARZOL SP per acre. Apply when lygus bugs reach damaging numbers. Consult your State Agricultural Experiment Station or State Extension Service Specialist for proper timing.
	CONSPICUOUS STINK BUGS (California only)	Use 1 lb. CARZOL SP per acre for knockdown of a heavy nymphal population. A lygus control program will control stink bugs. When applied by air use a minimum of 5 gallons per acre. When applied by ground use a minimum of 20 gallons per acre.
	TWO-SPOTTED MITE	Use 1/2-1 lb. CARZOL SP per acre. Apply when mites appear. When applied by air use a minimum of 10 gallons of spray per acre. When applied by ground use a minimum of 20 gallons per acre.

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**IMPORTANT: READ BEFORE USE**

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES, OR DAMAGE RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT NOR-AM'S ELECTION, THE REPLACEMENT OF PRODUCT.

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