


71096-11

08/15/2002

1/11

	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (509PC) Aerial Risk Branch 1275 Pennsylvania Ave., N.W. Washington, D.C. 20460	EPA Reg. Number: 71096-11	Date of Issuance: AUG 15 2002
		Term of Issuance: Conditional	
NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)		Name of Pesticide Product: Tetrasul 4s5	
Name and Address of Registrant (include ZIP Code): OR-CAL, Inc. 29454 Meadowview Road Junction City, OR 97448			
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 (FIFRA).			
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 conditionally registered in accordance with FIFRA Section 3(c)(7)(A) provided that you:			
1. Submit and/or cite all data required for registration of your product under FIFRA Section 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.			
2. Make the following label changes before you release the product for shipment:			
a. Revise the EPA Registration Number to read, "EPA Reg. No. 71096-11."			
b. In the Directions for Use, spell out the terms "ASAE" and "VMD" and follow the terms by the abbreviation in the parenthesis where it first appears on the label.			
c. The Storage and Disposal section of the label must be moved as it is a part of the Directions for Use section. Move the Storage and Disposal section so that it follows the Non-Agricultural Use Box or so that it precedes the Warranty statement.			
d. Submit one copy of the revised final printed label before releasing the product for shipment.			
Signature of Approving Official: <i>Mary L. Waller</i> Mary L. Waller Product Manager (21) Fungicide Branch		Date: 8/15/02	

page 2

EPA Reg. No. 71096-11

If the conditions enumerated above are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 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. If you have questions regarding this registration, please contact Dennis McNeilly at (703) 308-6742 or electronically at mcneilly.dennis@epa.gov.

Enclosure 1) Stamped Label

ACCEPTED
with COMMENTS
In EPA Letter Dated

AUG 15 2002
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
71096-11

TETRASUL 4s5

Fungicide-Insecticide-Miticide for Fruits, Nuts, Ornamentals, Roses

OR-CAL, INC.
29454 MEADOWVIEW ROAD
JUNCTION CITY, OREGON 97448

EPA REGISTRATION NO. 71096-
EPA ESTABLISHMENT NO. 71096-OR-1

FOR INFORMATION ON THIS PESTICIDE PRODUCT (INCLUDING HEALTH CONCERNS, MEDICAL EMERGENCIES, OR PESTICIDE INGREDIENTS), CALL THE NATIONAL PESTICIDE TELECOMMUNICATIONS NETWORK AT 1-800-858-7378

KEEP OUT OF REACH OF CHILDREN
DANGER PELIGRO

Si usted not 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).

SEE ADDITIONAL PRECAUTIONARY STATEMENTS INSIDE BOOKLET.

ACTIVE INGREDIENT: Calcium Polysulfide..... 27%
INERT INGREDIENTS:..... 73%
TOTAL.....100%

ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE LABEL ARE TO BE FOLLOWED. SEE DIRECTIONS FOR USE IN BOOKLET.

NET CONTENTS **30 GALLONS**
 5 GALLONS
 2.5 GALLONS
 1 GALLON

FIRST AID

- If swallowed** -Call 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 the poison control center or doctor.
- If in eyes** -Do not give anything by mouth to an unconscious person.
-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.
- If inhaled** -Call a poison control center or doctor for treatment advice.
-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.
- 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Telecommunications Network at 1-800-858-7378 for emergency medical treatment information.

Note to Physician

Probable mucosal damage may contraindicate gastric lavage.

PRECAUTIONARY STATEMENTS – HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER Corrosive. Causes skin burns. Causes irreversible eye damage. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing.

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 A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

Coveralls over long-sleeved shirt and long pants

Chemical resistant gloves made of any waterproof material

Chemical resistant footwear plus socks

(Personal Protective Equipment (PPE) – continued)

Protective eyewear, goggles, face shield or safety glasses
Chemical resistant headgear for overhead exposure
Chemical resistant apron when cleaning equipment, mixing or loading
Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any R, P or HE filter.

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.

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

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur.

PHYSICAL AND CHEMICAL HAZARDS

May give off highly toxic and extremely flammable hydrogen sulfide gas if mixed with acids.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

Storage: Store product in a secure locked place, inaccessible to children, pets, and livestock. Store in a cool, dry place. Keep container closed when not in use.
Pesticide Disposal: 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: Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

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 recreation areas, nontarget crops, aquatic and wetland areas, woodlands, pastures, rangelands, or animals.

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 green houses 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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard (WPS).

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) or 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 over long sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

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 product agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE LABEL ARE TO BE FOLLOWED

APPLICATION DIRECTIONS AND PRECAUTIONS

Tetrasul 4s5 is a fungicide, insecticide and miticide that contains Lime Sulfur and a wetting agent. Spray to cover foliage until wet. If spray contacts concrete and white, painted surfaces, discoloration of this surface may occur.

Faulty spray equipment, highly concentrated materials, or extremes of weather during or following spraying may lead to fruit or foliage injury. The risk of spray injury is greater when drought stress exists. The user is advised not to use Tetrasul 4s5 on any crop unless local use has proved that Lime Sulfur does not damage crops in that locality.

Do not use this Lime Sulfur on apricots. Do not use Oil with Lime Sulfur in summer applications. Do not apply when temperature exceeds 85 F. Do not apply Oil following Lime Sulfur, nor Lime Sulfur following Oil, in foliage period; wait 30 days between treatments of and treatments with oil spray.

Do not apply this product through any type of irrigation system.

For ground boom 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 medium or coarser spray according to ASAE 572 definition for standard nozzles or VMD for spinning atomizer nozzles.

For orchard/vineyard airblast applications, do not direct spray above trees/vines and turn off outward pointing nozzles at row ends and outer rows. Apply only when wind speed is 3-10 mph as measured by an anemometer. Use medium or coarser spray according to ASAE 572 definition for stand nozzles of VMD for spinning atomizer nozzles. If application includes a no-spray zone, do not release spray at a height greater than 10 feet above the ground or the crop canopy.

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

USE DIRECTIONS

Where a rate range is given, use the highest rates when disease is severe or where disease was severe in the previous season.

• **ALMONDS**

Powdery Mildew, Shothole. Apply 2 gallons per 100 gallons of water. Apply every 2 weeks between November 15 and December 15. Dormant application only.

• **APPLES**

Blotch. Apply 2 quarts per 100 gallons of water. Apply in pre-bloom and petal fall stages and 10 days later. **Leaf Spot.** Apply 3 to 5 gallons per 100 gallons of water in delayed dormant stage or 1 quart per 100 gallons of water in growing season. **Powdery Mildew.** Apply 2 quarts per 100 gallons of water. Apply in pre-pink, pink and calyx stages. **Scab.** Apply 2 quarts per 100 gallons of water in delayed dormant, pre-pink and pink stage. NOTE: Use on Delicious apples may result in injury.

• **BLACKBERRIES**

Apply in dormant (green bud) stage. Use 2 quarts per 100 gallons water when fruiting canes are 8 to 12 inches long and before blossoms have opened. Overwintering **Fungus Spores, Cane Blight.** Apply 2 gallons per 100 gallons of water. Apply in dormant stage.

• **BLUEBERRIES**

To aid control of **Mummy Berry** (caused by the fungus *Sclerotinia Urnula*), apply a post-harvest (September or October) or early dormant spray of 4 gallons per 100 gallons of water. Use 200 to 300 gallons of spray per acre.

• **CHERRIES (SWEET)**

Powdery Mildew. Apply 2 quarts per 100 gallons of water. Apply in delayed dormant stage.

• **CHERRIES (TART)**

Brown Rot Blossom Blight, Leaf Spot, Scab. Apply 2 quarts per 100 gallons of water. Apply in pre-bloom, early bloom and full bloom stages. **Brown Rot (Fruit). Leaf Spot, Powdery Mildew.** Apply 2 quarts per 100 gallons of water. Apply 3 to 5 sprays at weekly intervals just before harvest.

• **CITRUS**

Red Spider Mites. Apply 1 1/2 pints per 100 gallons of water. Apply when the mites appear. **Thrips.** Apply 1 1/2 pints per 100 gallons of water. Apply as recommended by your State Agricultural Experiment Stations.

• **CURRENTS, GOOSEBERRIES**

Anthraxnose. Apply 1 to 2 gallons per 100 gallons of water. Apply at bud break stage, and 10 to 15 days later. Use 3 pts. per 100 gallons of water at 10 day intervals after second spray if necessary. **Powdery Mildew.** Apply 1 quart per 100 gallons of water. Apply before and after bloom.

• **FRUIT TREES (BEARING)**

Overwintering Fungus Spores. Apply 2 quarts per 100 gallons of water. Apply in dormant stage.

• **FRUIT TREES (NON-BEARING)**

Blotch, Powdery Mildew, Scab. Apply 2 quarts per 100 gallons of water. Apply at cluster bud and pre-bloom stages.

• **GRAPES**

Anthracnose, Powdery Mildew. Apply 2 quarts per 100 gallons of water. Apply when new shoots are 4 to 6 inches long.

(Dormant only): Powdery Mildew, Mealybugs. Apply 2 to 3 gallons per 100 gallons of water. Apply 200 gallons dilute spray per acre.

• **NECTARINES**

Brown Rot, Leaf Spot, Shothole. Apply 2 quarts per 100 gallons of water. Apply 3 to 5 times at weekly intervals before harvest. **Leaf Curl.** Apply 3 gallons per 100 gallons of water. Apply in early winter and late dormant period. **Powdery Mildew.** Apply 2 quarts per 100 gallons of water. Apply when disease appears.

• **PEACHES**

Brown Rot, Leaf Spot. Apply 2 quarts per 100 gallons of water. Apply 3 to 5 times at weekly intervals before harvest. **Brown Rot Blossom Blight.** Apply 2 quarts per 100 gallons of water. Apply in pre-bloom, early bloom and full bloom stages. **Leaf Curl, Scab, Shothole.** Apply 3 gallons per 100 gallons of water. Apply in dormant season. **Powdery Mildew.** Apply 3-5 gallons per 100 gallons of water at green tip stage. Use 1 quart per 100 gallons of water on summer foliage.

• **PEARS**

Pear Psylla, Rust Mite, Blister Mite. Apply 2 ½ gallons per 100 gallons of water plus 3 quarts light medium summer oil. Apply as a post-harvest spray. **Bud Mite** (Pacific Coast States). Apply 2 ½ gallons plus 2 gallons light medium summer oil per 100 gallons of water. Apply in the fall after temperature cools but before the first frost at the time mites first penetrate under the bud scales. **Pear Leaf Blister Mite.** Apply 2 ½ gallons per 100 gallons of water. Apply in dormant season up to time buds swell. May be combined with oils labeled for dormant use. **Scab.** Apply 2 ½ gallons per 100 gallons of water. Apply in Cracked Bud Stage and 1 to 1 ½ quarts per 100 gallons of water in Cluster Bud Stage. Concentrate sprayers follow recommendations of State Agriculture Experiment Station. Keep agitated during spraying.

• **PLUMS**

Blotch, Powdery Mildew. Apply 2 quarts per 100 gallons of water. Begin 3 to 5 weeks before harvest. Repeat weekly until picking. **Black Knot.** Apply 3 gallons per 100 gallons of water. Apply in green tip stage. **Brown Rot (Fruit Rot).** Apply 3 ½ pints per 100 gallons of water. Apply 20, 10 and 2 days before harvest. **Leaf Curl.** Apply 3 pints per 100 gallons of water. Apply in dormant stage.

• **PRUNES**

Black Knot. Apply 3 gallons per 100 gallons of water. Apply in green tip stage. **Brown Rot (Fruit Rot), Leaf Spot, Powdery Mildew.** Apply 2 quarts per 100 gallons of water and begin 3 to 5 weeks before harvest. Apply at weekly intervals until picking.

• **RASPBERRIES**

Anthracnose, Powdery Mildew. Apply 2 quarts per 100gallons of water. Spray once when new canes are 8 to 12 inches long. **Cane Blight.** Apply 2 quarts per 100 gallons of water. Apply at spring bud swell. Repeat in late fall dormant period. **Spur Blight.** Apply 3 gallons per 100 gallons of water. Apply in delayed dormant stage when buds begin to break and show silver.

• **ALFALFA, RED CLOVER**

Powdery Mildew. Apply 1 gallon per 50 to 100 gallons of water per acre. Apply at early bud stage or at first sign of disease.

• **SHADE TREES, SHRUBS**

For control of **San Jose Scale, Nectria Canker, Maple Gall, Leaf Blotch, Olive Scale,** and as an aid in the control of **Powdery Mildew, Anthracnose.** Apply 2 gallons plus 3/4 quart light medium summer oil per 100 gallons of water once in early spring before buds swell. Do not apply to Evergreens, Euonymus or Rhododendrons or allow spray to drift on these susceptible species. Full season control of Powdery Mildew and Anthracnose will require additional applications of other registered fungicides. Keep agitated during spraying.

EARLY SPRING SPRAYING (AS GROWTH STARTS)

• **ROSES**

Rose and San Jose Scale, Case Bearer, Powdery Mildew. Apply 1 1/2 gallons per 100 gallons of water. Apply in spring before buds swell and again in fall after leaves drop.

SUMMER FOLIAGE SPRAYING

• **ROSES**

Black Spot, Powdery Mildew, Rust, Red Spider Mites. Apply 1/4 gallon per 100 gallons of water. Apply at 10 to 15 day intervals in growing season.

COMBINATION WINTER SPRAY

• **FRUIT TREES, ROSES AND DECIDUOUS HEDGE PLANTS, SHADE TREES AND SHRUBS (DORMANT AND DECIDUOUS ONLY)**

San Jose Scale, Oyster Shell Scale, Brown Apricot Scale, Black Scale, Overwintering Insect Eggs, Many Overwintering Fungus Spores, Or Plant Disease; Apply 3 gallons plus 1 gallon dormant spray oil per 100 gallons of water. Keep agitated during spraying.

CONDITIONS OF SALE – LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of OR-CAL, Inc. or seller. In addition, failure to follow the label directions may cause injury to crops, animals, man or the environment. OR-CAL, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of OR-CAL, Inc. OR-CAL, Inc. makes no other warranties or representations of any kind, express or implied concerning the product, including no implied warranty of merchantability or fitness for any particular purpose. The exclusive remedy against OR-CAL, Inc. for any cause of action relating to the handling or use of this product is a claim of damage and in no event shall damages or any other recovery of any kind against OR-CAL, Inc. exceed the price of the product, which causes the alleged loss, damage, injury or other claim. OR-CAL, Inc. shall not be liable and any and all claims against OR-CAL, Inc. are waived, for special, indirect, incidental, or consequential damages or expense, of any nature, including, but not limited to, loss of profits, or income, whether or not based on OR-CAL, Inc. negligence, breach of warranty, strict liability in tort or any other cause of action. OR-CAL, Inc. and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.