



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 M St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
45639-146

Date of Issuance:  
MAR 10 1993

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

Term of Issuance: Until Reregistration

Name of Pesticide Product:  
Ovasyn

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Nor-Am Chemical Company  
3509 Siverside Road  
P.O. Box 7495  
Wilmington, Delaware 19803

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.

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 sec. 3(c)(7)(A) and (B) provided that you:

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.
2. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on cotton is conditionally registered, in accordance with FIFRA sec. 29. The fiscal year begins October 1 and ends September 30. Production information will be submitted to the Agency no later than November 15, following the end of the preceding fiscal year.

This information should be submitted to:

Process Coordination Branch  
Registration Support Branch (H7505C)  
Environmental Protection Agency  
Washington, D.C. 20469

3. Add the phrase, "EPA Registration No. 45639-146" to the label before you release the product for shipment.

Signature of Approving Official:

DENNIS H. EDWARDS

Date:

MAR 10 1993

4. An acceptable confined crop rotation study is required to support the continued registration of this product. A confined study has been submitted and is in review. If this study is not accepted, any additional information needed to upgrade it must be submitted, and/or if the Agency determines that a new study is required, you must submit the study in the time frame provided by the Agency.

5. 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.

Sincerely,

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR 10 1993  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
45639-146

**BEST AVAILABLE COPY**

# Ovasyn®

**INSECTICIDE/MITICIDE**  
(Contains 1.5 lb. Amitraz per gallon)

ACTIVE INGREDIENTS:	Percent by Weight
Amitraz (N-(2,4-dimethylphenyl)-N'-(2,4-dimethylphenyl)-imino]methyl)-N-methylmethanamide)	19.8
INERT INGREDIENTS:	80.2
<b>TOTAL</b>	<b>100.0</b>

EPA Reg. No. 45639

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

## KEEP OUT OF REACH OF CHILDREN WARNING — AVISO

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED:** Do not induce vomiting. Contain vomit if it occurs. Call a physician immediately. See Note to Physician.

**IF IN EYES:** Flush with plenty of water while holding eyes open. Call a physician immediately.

**IF ON SKIN:** Wash hands with soap and water each time before eating, drinking or smoking. At the end of the working day, bath entire body with soap and plenty of water.

**IF INHALED:** Remove to fresh air. Support respiration and contact a physician if necessary.

**NOTE TO PHYSICIAN:** If swallowed, use antidotes as appropriate.

**SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**NOR-AM**  
NOR-AMERICAN COMPANY

1000 Westwood Blvd, P.O. Box 116  
Wilmington, DE 19803

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## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS (AND DOMESTIC ANIMALS) WARNING

Harmful or fatal if swallowed. Causes eye or skin irritation. Repeated skin contact may cause an allergic reaction. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist.

### PROTECTIVE CLOTHING AND EQUIPMENT

During mixing/loading or application wear a protective suit which has long sleeves and long pants. Wear chemical resistant gloves; a hat, boots and goggles or face shield. A helmet with visor may be substituted for the hat and goggles during aerial application. Mixer/loaders should also wear a chemical resistant apron when handling the concentrated product. Wash thoroughly with soap and water after handling and before eating, urinating, or smoking. Remove and wash clothing before reuse. Clothing should be laundered separately from household articles. Replace gloves frequently. Clothing which has been drenched and used gloves should be disposed of in accordance with state or local regulations. Instead of clothing and equipment specified above, the applicator can use an enclosed tractor cab or cockpit with properly filtered air supply.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to fish in adjacent sites. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Apply this pesticide only as specified on this label. Do not apply this product through any type of irrigation system.

**Beneficial Insect Cautions:** OVASYN® has a broad spectrum acaricidal activity and is largely nonselective to predacious mites such as *Typhlodromus occidentalis*, *Amblyseius fallacis* and mites of the family Stigmaeidae.

### PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

In case of spillage, cover with an absorbent such as soda ash, lime, clay, or sawdust. Sweep up and bury. Wash area thoroughly with detergent and water.

### NOTICE TO DRUM HANDLERS:

In Case of Fire, Leaky, or Damaged Containers, or Other Emergency, Report at Once by Toll-Free Telephone to: 800-424-9300.

DO NOT REUSE EMPTY CONTAINER.

## STORAGE AND DISPOSAL

**STORAGE:** Store in original container and keep closed. Store in a cool, dry place. Do not use or store near heat or open flame.

**PESTICIDE DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are toxic. 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 sanitary landfill, or by other procedures approved by state and local authorities.

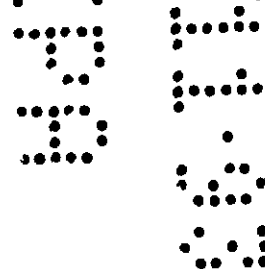
### DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

### REENTRY STATEMENT

Do not reenter treated areas for 24 hours without protective clothing. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must inform workers of areas or fields that may not be entered without specific protective clothing (as described in the Protective Clothing and Equipment section on this label) until the intervals stated above (24 hours, or, if required by state authorities, a more restrictive interval) have elapsed. The oral warnings must also inform workers of appropriate actions to take in case of accidental exposure, as described under Precautionary Statements on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information:

**WARNING:** Area treated with OVASYN® on (date of application). Do not enter without appropriate protective clothing for 24 hours or until sprays have dried. In case of accidental exposure see Statement of Practical Treatment on the label.



### GENERAL INFORMATION

OVASYN is an insecticide/miticide with ovicidal and synergistic activity on bollworm, tobacco budworm, pink bollworm, whitefly and mites on cotton. OVASYN may be applied alone for control of two-spotted spider mite, strawberry mite, pacific mite, and carmine mite. For insecticidal control, OVASYN can be applied alone or tank-mixed with other insecticides registered for use on cotton.

OVASYN is not phytotoxic to young cotton.

### APPLICATION

**Equipment:** Apply by air or ground, using low drift nozzles. When applying by air, use 1-5 gallons of water per acre. For applications made with ground equipment, use 10-50 gallons of water per acre. Use of the higher volume of water will assure better coverage for mite and whitefly control in larger, more dense cotton.

**Mite Control:** Apply OVASYN as a single treatment of 2½ to 5 pints per acre, or two sequential applications of 2½ pints per acre. DO NOT exceed 5½ pints per acre per season. Treatments should be applied when mite populations begin to build. OVASYN may be applied from the time cotton plants are 4-6 inches tall and up until boll opening. DO NOT apply after cotton bolls are open.

**Insect Control (Ovicide/Synergist):** In fields where bollworm, tobacco budworm, pink bollworm or other insect pests have reached economic levels, apply OVASYN at ¾ to 1½ pints per acre as needed or on an appropriate schedule. To control whitefly, apply 1½ to 5½ pints per acre in sufficient water to ensure complete coverage. DO NOT exceed 5½ pints OVASYN per acre per season. DO NOT apply after cotton bolls are open.

Use other registered cotton insecticides in a tank-mix at rates recommended on the labels for those products and observe all limitations and precautions which appear on those labels. Do not tank-mix OVASYN with Cyprex<sup>1</sup>, Ferbam<sup>2</sup>, bordeaux mixture or other highly alkaline materials.

**ULV Applications:** OVASYN may be applied in vegetable, cottonseed or similar oils. After determination of the required volume of OVASYN, add sufficient oil to apply 1 to 2 quarts total liquid per acre. If tank-mixing with additional cotton insecticides which are registered for ULV applications, their volume must be accounted for in the total 1 to 2 quarts per acre.

### RESTRICTIONS AND LIMITATIONS

- DO NOT apply more than 5½ pints per acre OVASYN per growing season.
- DO NOT apply OVASYN after cotton bolls are open.
- DO NOT apply shortly before rainfall.
- DO NOT allow prepared solutions to stand overnight.
- DO NOT feed foliage from treated cotton plants to livestock.

### 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.

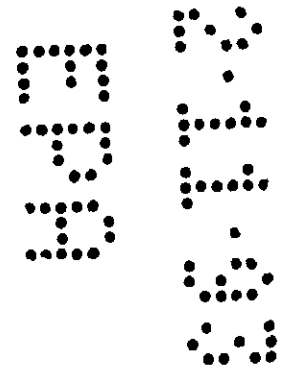
**DISCLAIMER OF WARRANTIES:** THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OR MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein 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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TABLE OF APPLICATION RATES

Desired Rate/AC. (lbs. AI)	Acres Treated Per Gallon	Pints Per Acre
.125	= 12 AC.	= .66
.17	= 9 AC.	= .89
.25	= 6 AC.	= 1.33
.50	= 3 AC.	= 2.66
.75	= 2 AC.	= 4.0
1.0	= 1.5 AC.	= 5.33



<sup>1</sup>Trademark of American Cyanamid  
<sup>2</sup>Trademark of FMC Corp.