

PM 23 62719-19

Labeling
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DEC 2 1993

Robert D. Vatne
DOWELANCO
Quad IV 9002 Purdue Rd
Indianapolis, IN 46268

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 06/24/93 in Response to PR Notice 93-7
EPA Reg. No. 62719-19
N-SERVE 24E

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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DOWELANCO
N-SERVE 24E
62719-19 6/24/93
Original Submission

Add the following statement to your label: "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." Refer to page 20 of the Main Labeling Guidance for placement.

6/16/93

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(Editor's note: Deleted text indicated by strike-through and added text underlined.
EPA copy dated: 12/21/91 & 4/28/93)
(Booklet, Bulk and Sample, N-Serve 24E):

This booklet is the same as the 2.5 gal datapack booklet except for the spec. no. and the information on the cover.

(Booklet cover):

(logo) DowElanco

N-Serve* 24E

ACCEPTED
with COMMENTS
In EPA Letter Dated

DEC 2 - 1993

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

62719-15

Use to delay nitrification of ammoniacal and urea nitrogen fertilizer compositions in the soil by controlling the nitrification process

Active Ingredients:

nitrapyrin: 2-chloro-6-(trichloromethyl) pyridine 21.9%
related chlorinated pyridines 2.4%

Inert Ingredients 75.7%

Contains 2 pounds of active ingredients per gallon.

Precautionary Statements

Hazards to Humans and Domestic Animals

Keep Out of Reach of Children

DANGER

PELIGRO:

~~Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.~~

~~Si usted no 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.)~~

Causes Irreversible Eye Damage • Harmful If Swallowed • Harmful If Absorbed Through Skin • The Active Ingredient In This Product May Cause Skin Sensitization Reactions In Certain Individuals

~~Do not get in eyes or on clothing. Wear goggles. Avoid contact with skin. Wear protective clothing and rubber gloves. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.~~

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 G on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate or Viton
- Shoes plus socks
- Protective eyewear

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.

First Aid

If in eyes: Flush with plenty of water for at least 15 minutes. Get medical attention.

If swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician or Poison Control Center.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If inhaled: Remove to fresh air if effects occur. Get medical attention.

Environmental Hazards

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

Combustible - Do not use, pour, spill or store near heat or open flame.

EPA Reg. No. 62719-19

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DowElanco • Indianapolis, IN 46268, U.S.A.

Nitrogen Stabilizer

(page 1 through end):

Precautionary Statements

Hazards to Humans and Domestic Animals**Keep Out of Reach of Children****DANGER****PELIGRO:**

~~Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.~~

~~Si usted no 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.)~~

Causes Irreversible Eye Damage • Harmful If Swallowed • Harmful If Absorbed Through Skin • The Active Ingredient in This Product May Cause Skin Sensitization Reactions in Certain Individuals

~~Do not get in eyes or on clothing. Wear goggles. Avoid contact with skin. Wear protective clothing and rubber gloves. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.~~

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 G on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate or Viton
- Shoes plus socks
- Protective eyewear

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.

First Aid

If in eyes: Flush with plenty of water for at least 15 minutes. Get medical attention.

If swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician or Poison Control Center.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If inhaled: Remove to fresh air if effects occur. Get medical attention.

Environmental Hazards

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

Combustible - Do not use, pour, spill or store near heat or open flame.

Directions for Use

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

Read all Directions for Use carefully before applying.

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 greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exemptions 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 24 hours.

Exception: If the product is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- Chemical-resistant gloves such as Barrier Laminate or Viton
- Shoes plus socks
- Protective eyewear

Storage and Disposal

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

Storage: Store above 18°F to keep product in solution. Below 14°F, crystals may form and settle to the bottom. To redissolve the crystals, allow the contents to warm up to about 70°F and to stand for several days at that temperature. Once the crystals have dissolved, a gentle rolling of the container will ensure a uniform mixture of the contents.

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 by other procedures approved by state and local authorities.

General Information

N-Serve 24E Nitrogen Stabilizer is an emulsifiable product that may be used in formulation of and application with aqua ammonia, other liquid ammoniacal or urea nitrogen fertilizer compositions or liquid animal wastes. When liquid or dry ammonium and urea fertilizers and animal wastes are surface applied, N-Serve 24E may be used with water and applied during the incorporation operation.

General Use Precautions

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

N-Serve 24E is corrosive to aluminum components which may affect the operation of pumping, mixing and application equipment. To minimize corrosion of equipment and for maximum effectiveness, do not store liquid fertilizer solutions containing N-Serve 24E. Use within 72 hours of mixing. Rinse application equipment used to apply liquid fertilizers and N-Serve 24E with water after each use. Use with hot mix fertilizers is not recommended. High temperatures generated in production of these mixtures can cause rapid degradation of product and a reduction in effectiveness.

Mixing Directions

To prepare the spray, add 1/2 of the required amount of water or fertilizer to the spray tank and, with agitation, add the N-Serve 24E. Complete filling the tank with the balance of the water or fertilizer needed. When adding N-Serve 24E through eductor systems on fertilizer application units, either premix one part of N-Serve 24E to two parts water or be careful to open the inlet valve only about 1/3 of maximum. Either method will reduce the ratio of N-Serve 24E to fertilizer and thus reduce the possibility of formation of undesirable invert emulsions of N-Serve 24E and fertilizer. When making applications of N-Serve 24E and liquid nitrogen fertilizer compositions or liquid animal wastes, agitation must be provided before and during application to maintain a uniform mixture of N-Serve 24E. The application system must be capable of keeping a suspended solid dispersed throughout the liquid.

Tank Mixing Directions

N-Serve 24E may also be applied in tank mixtures in water or in most urea-ammonium nitrate solutions and N-P-K solutions, slurries or suspensions with the following preplant incorporated herbicides: atrazine or Bladex for use on sorghum; and Sutan+, atrazine, Bladex, Eradicane, Lasso, Duai, or combinations of Sutan+ with atrazine or Bladex for use on corn. Physical compatibility of these tank mixtures should be determined before combining in the spray tank. Tank mixtures of N-Serve 24E and these herbicides in water generally do not require a compatibility aid such as Compex or Unite while tank mixtures with fertilizers frequently will. Maintain constant agitation during both mixing and application to ensure uniformity of the spray mixture. Read and carefully follow all applicable directions including dosage rates, restrictions, and precautions for the specified crops on labeling for the other products used in combination with N-Serve 24E.

The suggested mixing sequence for tank mixtures of N-Serve 24E with herbicides in water or liquid nitrogen fertilizers is as follows:

1. Fill the spray tank 1/2 full of water or liquid fertilizer.
2. Begin agitation.
3. Add a compatibility aid, if needed. (If water slurried premixes of wettable powders or flowables are used as in Steps 4 and 5, a compatibility aid may be added to the premix for convenience.)
4. Add wettable powder formulations to the tank (make a water slurry with wettable powders first).
5. Add flowable formulations to the tank.
6. Add emulsifiable concentrate formulations including N-Serve 24E to the tank (premix 1:2 with water first if introduced to the tank through eductor systems).
7. Add the balance of the water or liquid fertilizer and continue agitation until the tank is empty.

Note: Test compatibility of the intended tank mixture before adding N-Serve 24E to the spray or mix tank. Add proportionate amounts of each ingredient to a pint or quart jar, cap, shake, and let set 15 minutes. Formation of precipitates or layers that do not readily redisperse indicates an incompatible mixture that should not be used.

Use and Dosage Recommendations

N-Serve 24E must be injected or incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches during or immediately after application.

Approved Crops

Corn, Sorghum, Wheat

Preplant or At-Plant Row or Band Application

Use N-Serve 24E at the rate of 1 quart per acre.

Preplant or At-Plant Broadcast Application

Use N-Serve 24E at the rate of 1 to 2 quarts per acre. The higher rate is preferred when fall applications are made to spring planted crops.

Application With Liquid Animal Wastes

Use N-Serve 24E at the rate of 1 to 2 quarts per acre and apply preplant in the fall or spring. The 2 quart per acre rate is recommended for all fall applications with animal wastes.

Split Application on Corn

In addition to a preplant or at-plant application, a second application may be made postplant at the rate of 1/2 to 1 quart of N-Serve 24E per acre. For high yield production, use the 1 quart per acre rate. The total amount of N-Serve 24E applied in a split application program involving a preplant or at-plant treatment followed by a postplant treatment must not exceed 2 quarts per acre per year.

Restrictions

Do not apply more than 2 quarts of N-Serve 24E per acre per year on corn, sorghum, and wheat. Make only one postplant application per year. Postplant applications can only be made up to 30 days postplant on corn. Crops listed on this label may be rotated in less than one year from the last application. All other crops are not to be rotated in less than one year from the last application.

Warranty Disclaimer

DowElanco warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below.

DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by Buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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