

Specimen Label

N-SERVE* 24E Nitrogen Stabilizer

Use to Delay Nitrification of Ammoniacal and Urea Nitrogen Fertilizer Compositions in the Soil by Controlling the Nitrification Process.

Active Ingredient(s):

Nitrapyrin (2-chloro-6-(trichloromethyl) pyridine) 21.9%
Related chlorinated pyridines 2.4%

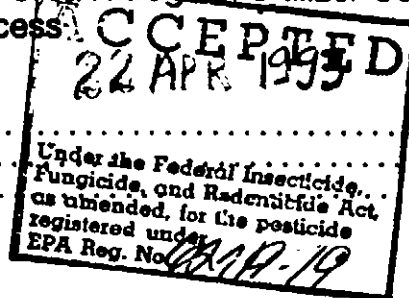
Inert Ingredient(s):

Contains 2 pounds of active ingredients per gallon

E.P.A. Registration No. 62719-19

E.P.A. Est. 464-CA-1⁰⁰⁰; 407-MN-1⁰⁰⁰; 5905-AR-1⁰⁰⁰

Superscript used corresponds to letter in Lot No.



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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

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

STATEMENTS OF PRACTICAL TREATMENT: 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.

Physical or Chemical Hazards

COMBUSTIBLE • Do Not Use, Pour, Spill or Store Near Heat or Open Flame • Do not Cut or Weld Container

Environmental Hazards

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

NOTICE

Read the entire label. Use only according to label directions.

Before buying or using this product, read Warranty Disclaimer and Limitation of Remedies sections elsewhere on this label.

IN CASE OF AN EMERGENCY

endangering life or property involving this product, call collect 517-636-4400

AGRICULTURAL CHEMICAL

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing

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N-SERVE* 24E

DIRECTIONS FOR USE

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

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.

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

Mixing Instructions

To prepare the spray, add $\frac{1}{2}$ 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 $\frac{1}{3}$ of maximum. Either method will reduce the N-SERVE 24E to fertilizer ratio 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 Instructions

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: ~~Simlan, Prowl or Tolban for use on cotton~~, atrazine or Bladex for use on sorghum; and Sutan+, atrazine, Bladex, Eradicane, Lasso, Dual, 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 $\frac{1}{2}$ 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 nitrogen stabilizer 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 redispense indicates an incompatible mixture that should not be used.

Use and Dosage Recommendations

N-SERVE 24E nitrogen stabilizer 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.

CORN, SORGHUM AND WHEAT

Preplant or At-Plant Row or Band Application: Use N-SERVE 24E at the rate of $\frac{1}{2}$ to 1 quart per acre. The higher rate is preferred with all fall, most spring applications, and high yield production programs.

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 $\frac{1}{2}$ 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.

~~COTTON~~

~~**Preplant or At-Plant Band or Broadcast Application:** Use N-SERVE 24E at the rate of $\frac{1}{2}$ to 1 quart per acre. The higher rate should be used if N-SERVE 24E is applied in the fall as a preplant treatment for spring planted cotton.~~

~~**Postplant Row or Band Application:** Use N-SERVE 24E at the rate of $\frac{1}{2}$ quart per acre.~~

~~Do not allow livestock to graze in treated areas or feed forage to livestock.~~

~~STRAWBERRIES~~

~~**Preplant Application:** Use N-SERVE 24E at the rate of 1 quart per acre. Premix N-SERVE 24E with the nitrogen containing fertilizer before application or mix N-SERVE 24E with water and overspray the nitrogen containing fertilizer following application. Plant strawberries as soon as practical thereafter. Based on available residue data, use of N-SERVE 24E on strawberries is restricted to California.~~

~~**Restrictions:** Do not apply more than 2 quarts of N-SERVE 24E per acre per year on corn, sorghum, and wheat and 1 quart of N-SERVE 24E per acre per year on cotton and strawberries. Make only one postplant application per year. Postplant applications can only be made up to 30 days postplant on corn, sorghum and wheat. 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.~~

STORAGE AND DISPOSAL

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

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USE PRECAUTIONS

N-SERVE 24E nitrogen stabilizer 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.

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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DowElanco

Indianapolis, Indiana 46268 U.S.A.

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Amendments:

- 1) Use directions for cotton and strawberries removed from product label.

SPECIMEN LABEL ~~86-1020~~ DATE CODE 790
REPLACES ~~86-1020~~ DATE CODE B707
DISCARD PREVIOUS SPECIMEN LABELS
~~THIS IS AN INITIAL DOWELANGO PRINTING~~

~~REVISIONS INCLUDE:~~

- ~~1) CHANGED REGISTRATION NUMBER FROM
464-102 TO DOWELANGO 62719-19~~
- ~~2) CHANGED WARRANTY STATEMENT TO
REFLECT TRANSFER TO DOWELANGO~~

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