

# STAY-N<sup>®</sup> 200

PM 23

34704-804

10/15/98

P1123

## NITROGEN

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 ..... 19.8%

Related chlorinated pyridines ..... 2.2%

INERT INGREDIENTS: ..... 78.0%

TOTAL 100.0%

Contains 2 pounds of active ingredients per gallon.

KEEP OUT OF REACH OF CHILDREN

DANGER PELIGRO

## STABILIZER

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.)

Refer to label booklet for additional precautionary statements. Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Notice of Warranty" inside label booklet.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA REG. NO. 34704-804

EPA EST. NO. \_\_\_\_\_

NET CONTENTS \_\_\_\_\_ GALLONS ( \_\_\_\_\_ L)  
IHT EXP05P98

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## DANGER—PELIGRO

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

Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing vapor or spray mist.

### 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 selection chart.

Acceptable: Long-sleeved shirt and long pants, chemical-resistant gloves such as barrier laminate or viton, shoes plus socks, and protective eyewear.

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 34704-804

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.

### 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.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-800-228-5635, EXT. 136, OR CALL COLLECT, 612-851-8180, EXT. 136.

### ENVIRONMENTAL HAZARDS

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 wastes.

### PHYSICAL OR CHEMICAL HAZARDS

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

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**STAY-N® 200**  
**EPA REG. NO. 34704-804**

**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 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 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 and 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:** 2½ Gallon Plastic Bottles and Non-Returnable Plastic Drums: Do not reuse empty container. Triple rinse (or equivalent), adding rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned stay out of smoke.

**Non-Returnable Metal Drums:** 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 the state and local authorities.

**Returnable Non-Bulk or Bulk Containers:** Return empty container to point of purchase.

**GENERAL INFORMATION**

STAY-N 200 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 urea fertilizers and animal wastes are surface applied, STAY-N 200 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.

This product 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 STAY-N 200. Use within 72 hours of mixing. Rinse application equipment used to apply liquid fertilizers and STAY-N 200 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 ½ of the required amount of water or fertilizer to the spray tank and, with agitation, add the STAY-N 200. Complete filling the tank with the balance of the water or fertilizer needed. When adding this product through eductor

systems on fertilizer application units, either premix one part of STAY-N 200 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 STAY-N 200 to fertilizer and thus reduce the possibility of formation of undesirable inert emulsions of STAY-N 200 and fertilizer. When making applications of this product and liquid nitrogen fertilizer compositions or liquid animal wastes, agitation must be provided before and during application to maintain a uniform mixture. The application system must be capable of keeping a suspended solid dispersed throughout the liquid.

**Granular Ammonium and Urea**

STAY-N 200 may be impregnated on most dry ammoniacal fertilizers or fertilizer blends containing ammoniacal fertilizers. Uniform application in the field and immediate incorporation are necessary to insure optimum results.

For impregnating STAY-N 200 on dry fertilizers, use a closed rotary drum mixer equipped with suitable spraying equipment. The spray nozzle should be positioned inside the mixer to provide uniform spray coverage of the tumbling fertilizer. Check the crop section of this label to determine the per acre use rate of STAY-N 200. The maximum amount of STAY-N 200 to be added is one quart per 100 pounds of nitrogen fertilizer and the minimum amount is one quart per 500 pounds of nitrogen fertilizer. At the higher concentrations of STAY-N 200, the fertilizer may not readily absorb all of the liquid. For a suitable free-flowing mixture, an absorptive powder such as Micro-CelE should be added separately and uniformly to the fertilizer blend following addition of STAY-N 200.

Bulk fertilizers impregnated with STAY-N 200 should be applied immediately, not stored. All bulk containers should be lightly covered while the products are being transported and applied to reduce the chance of loss of STAY-N 200 via volatilization. All fertilizers impregnated with STAY-N 200 should be incorporated within 48 hours after application. For optimal performance, STAY-N 200 should be incorporated immediately after application.

All individual state regulations including those related to flammable liquid handling and to dry bulk blending registration, labeling and application are the responsibility of the individual and/or company selling STAY-N 200 on fertilizer mixtures.

Do not use STAY-N 200 with dry fertilizers containing nitrate such as ammonium nitrate, potassium nitrate or calcium nitrate. Do not mix seed with dry fertilizers impregnated with STAY-N 200.

**TANK MIXING DIRECTIONS**

STAY-N 200 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: alazine 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 STAY-N 200 and these herbicides in water generally do not require a compatibility aid such as Complex 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 STAY-N 200.

The suggested mixing sequence for tank mixtures of STAY-N 200 with herbicides in water or liquid nitrogen fertilizers is as follows:

1. Fill the spray tank ½ 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 formulation including STAY-N 200 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 STAY-N 200 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**

**Immediate Incorporation:**

STAY-N 200 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. For optimum performance, STAY-N 200 should be incorporated immediately after application.

**Delayed Incorporation:**

STAY-N 200 must be incorporated in a zone or band in the soil with the fertilizer at a minimum depth of 2 to 4 inches. Soil incorporation of STAY-N 200 may be delayed for up to 48 hours after application, provided that conditions exist where soil contains at least 3% organic matter and soil temperatures do not exceed 85° F.

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**APPROVED CROPS:**  
**CORN, SORGHUM, WHEAT**

**Preplant or At-Plant (Starter) Row or Band Application**  
Use STAY-N 200 at the rate of 1 quart per acre. (See also "Split Application on corn".)

**Preplant or At-Plant Broadcast Application**  
Use STAY-N 200 at the rate of 1 to 2 quarts per acre. The higher rate is preferred when fall applications are made to spring planted crops. (See also "Split Application on corn".)

**Application With Liquid Animal Wastes**  
Use STAY-N 200 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.

**Postplant (Side Dress) Application in Corn**  
Use STAY-N 200 at the rate of ½ to 1 quart per acre at any time after crop emergence, up to 30 days post plant.

**Split Application on Corn**  
In addition to a preplant or at-plant (starter) application, a second application may be made postplant at the rate of ½ to 1 quart of STAY-N 200 per acre. For high yield production, use the 1 quart per acre rate. The total amount of STAY-N 200 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 STAY-N 200 per acre per year on corn, sorghum, and wheat. Make only one postplant application per year. Post plant 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.

**NOTICE**

IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE, THE MANUFACTURER OR SELLER. IN NO CASE SHALL PLATTE, THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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FORMULATED FOR  
**PLATTE CHEMICAL CO.**

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