



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

August 21, 2024

Nikki Benson
Regulatory Specialist
Nufarm Americas Inc.
4000 Aerial Center Parkway Suite 101
Morrisville, NC 27560

Subject: Label Amendment - Registration Review Mitigation for Tribenuron-methyl and
Thifensulfuron-methyl
Product Name: ETI 120 01 H-D
EPA Registration Number: 228-674
Application Date: July 13, 2022, December 11, 2017
Decision Number: 585947 and 596104

Dear Nikki Benson:

The Agency, in accordance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the tribenuron-methyl and thifensulfuron-methyl Interim Decisions, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have any questions about this letter, please contact Concepción Rodríguez by phone at 202-566-0820, or via email at rodriguez.concepcion@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington", with a stylized flourish at the end.

Linda Arrington, Branch Chief
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

THIFENSULFURON METHYL &
TRIBENURON METHYL

GROUP 2 HERBICIDES

ETI 120 01 H-D

Herbicide

DRY FLOWABLE

FOR USE ON WHEAT (INCLUDING DURUM), BARLEY, OAT, TRITICALE, AND FALLOW.

ACTIVE INGREDIENTS:

Thifensulfuron-methyl

Methyl 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) amino]carbonyl]amino]sulfonyl]-2-thiophenecarboxylate 50%

Tribenuron-methyl

Methyl 2-[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]benzoate 25%

OTHER INGREDIENTS: 25%

TOTAL: 100%

Contains 0.75 lbs. active ingredient per pound (0.5 lb Thifensulfuron-methyl & 0.25 lb Tribenuron-methyl per pound).

KEEP OUT OF REACH OF CHILDREN

CAUTION - PRECAUCION

**SEE [BELOW] [INSIDE BOOKLET] [BACK PANEL] FOR [FIRST AID] [AND] [ADDITIONAL]
[PRECAUTIONARY STATEMENTS] [AND] [DIRECTIONS FOR USE]**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail).

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-674

EPA EST. NO.

MANUFACTURED BY
NUFARM AMERICAS INC.

11901 S. AUSTIN AVE.
ALSIP, IL 60803



NET [WEIGHT] [CONTENTS] _____ LBS. (_____ Kg)
[Designation as "NONREFILLABLE" or "REFILLABLE" for containers > 50 Lbs.]

000228-00674.20240808.EPA Amendment.SU ID
NUP-06269

ACCEPTED

Aug 21, 2024

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 228-674

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION - PRECAUCION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, including butyl rubber, natural rubber, neoprene rubber, or nitrile rubber, all ≥ 14 mils.
- Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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/PPE 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 ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • 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 1-877-325-1840 for emergency medical treatment information.

ENVIRONMENTAL HAZARDS

Groundwater Label Advisory Statement: This chemical has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory Statement: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of thifensulfuron-methyl methyl and tribenuron-methyl from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irriion is expected to occur within 48 hours.

PESTICIDE HANDLING

- Calibrate sprayers only with clean water away from the well site.
- Make scheduled checks of spray equipment.
- Ensure that all operation employees accurately measure pesticides.
- Mix only enough product for the job at hand.
- Avoid over-filling of spray tank.
- Do not discharge excess material on the soil at a single spot in the field/grove or mixing/loading station.
- Dilute and agitate excess solution and apply at labeled rates/uses.
- Avoid storage of pesticides near well sites.
- When triple rinsing the pesticide container, be sure to add the rinsate to the spray mix.

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 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.

Non-target Organism Advisory: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

SPRAY DRIFT

Aerial Applications:

- Do not release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S641).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S641).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions."

Ground Boom Applications:

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy unless making a turf, pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions."

Boom-less Ground Applications:

- Applicators are required to use a Medium or coarser droplet size (ASABE S572.3) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions."

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size – Aircraft

- Adjust Nozzles - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aurally to crops, do not release spray at a height greater than 10 feet above the crop canopy, unless a greater application height is necessary for pilot safety.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Boom-less Ground Applications:

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications:

- Take precautions to minimize spray drift.

WEED RESISTANCE MANAGEMENT

For resistance management, this product contains two Group 2 herbicides – thifensulfuron methyl and tribenuron methyl. Any weed population may contain or develop plants naturally resistant to this product and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

When herbicides that affect the same biological site of action are used repeatedly over several years to control the same weed species in the same field, naturally-occurring resistant biotypes may survive a correctly applied herbicide treatment, propagate, and become dominant in that field. Adequate control of these resistant weed biotypes cannot be expected. If weed control is unsatisfactory, it may be necessary to retreat the problem area using a product affecting a different site of action.

To delay herbicide resistance take one or more of the following steps:

- Rotate the use of this product or other Group 2 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available. Users should report lack of performance to registrant or their representative.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Nufarm at 855-280-6609.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA have been found in your region. Do not assume that each listed weed is being controlled by this mechanisms of action. Co-formulated active ingredients are intended to broaden the spectrum of weeds that are controlled. Some weeds may be controlled by only one of the active ingredient in this product.

Suspected herbicide-resistant weeds may be identified by these indicators:

- * Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- * A spreading patch of non-controlled plants of a particular weed species; and
- * Surviving plants mixed with controlled individuals of the same species.

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 intervals. 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 12 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.

Chemical resistant gloves, including butyl rubber, natural rubber, neoprene rubber, or nitrile rubber, all ≥ 14 mils.

Shoes plus socks.

This product is for use on wheat (including durum), barley, oats, triticale and fallow in many states. Check with your state extension or Dept. of Agriculture before use, to be certain this product is registered in your state. Nufarm will not be responsible for losses or damages resulting from the use of this product in any manner not in accordance with instructions on this label.

PRODUCT INFORMATION

This product is a dry flowable granule that is used for selective post-emergence weed control in wheat (including durum), barley, oat, triticale and fallow. The best control is obtained when this product is applied to young, actively growing weeds. The use rate will depend on weed spectrum and size of weed at time of application. The degree and duration of control may depend on the following:

- weed spectrum and infestation intensity
- weed size at application
- environmental conditions at and following treatment

This product is noncorrosive, nonflammable, nonvolatile, and does not freeze. This product should be mixed in water and applied as a uniform broadcast spray.

ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY

This product is absorbed primarily through the foliage of plants, rapidly inhibiting the growth of susceptible weeds. One to 3 weeks after application to weeds (2 to 5 weeks for wild garlic), leaves of susceptible plants appear chlorotic, and the growing point subsequently dies.

This product provides the best control in vigorously growing crops that shade competitive weeds. Weed control in areas of thin crop stand or seeding skips may not be as satisfactory. However, a crop canopy that is too dense at application can intercept spray and reduce weed control.

The herbicidal action of this product may be affected in crops stressed from adverse environmental conditions (such as extreme temperatures or moisture), abnormal soil conditions, cultural practices, or variations in crop variety. In warm, moist conditions, the expression of herbicide symptoms is accelerated; in cold, dry conditions, expression of herbicide symptoms is delayed. In addition, weeds hardened-off by drought stress are less susceptible to this product.

WINDBLOWN SOIL PARTICLES

This product has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying this product if prevailing local conditions may be expected to result in off-site movement.

RESTRICTIONS

- Do not apply, drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants.
- Do not apply this product by air in the state of New York.
- Do not apply to wheat, barley, triticale or oat crops underseeded with another crop.
- Do not harvest sooner than 45 days after the last application of this product.
- Do not exceed the total rate of this product for wheat (including durum), barley and triticale of 1.0 ounce product per acre per year.
- Do not exceed the total rate of this product for oat (spring and winter) of 0.4 ounces product per acre per year.
- When using this product in tank mixes or sequential applications with other products containing thifensulfuron-methyl and/or tribenuron-methyl, do not exceed the following limits:

Use	Active Ingredient	Maximum oz ai per Single Application	Maximum oz ai per Use Period
Wheat, Barley, Triticale	Thifensulfuron-methyl	0.45	0.75
	Tribenuron-methyl	0.25	0.25
Oats	Thifensulfuron-methyl	0.30	0.30

	Tribenuron-methyl	0.10	0.10
Fallow, Burndown, Post Harvest	Thifensulfuron-methyl	0.45	0.75
	Tribenuron-methyl	0.25	0.25

GRAZING RESTRICTIONS

Allow at least 7 days between application and grazing of treated forage and 7 days between application and feeding of treated forage to livestock. Allow at least 30 days between application and feeding of hay from treated areas to livestock. Harvested straw may be used for bedding or feed. Allow at least 45 days between application and harvesting grain.

CROP ROTATION RESTRICTIONS

Labeled crops may be planted at specified time intervals following application of labeled rates of this product. Use the time intervals listed below to determine the required time interval before planting. Refer to individual product labels to determine rotational crop restrictions when tank mixtures are used.

Time Interval Before Planting* (days after treatment with this product)

Crop	Days
Barley, Rice, [Soybeans with Bolt® technology,] Triticale, and Wheat (including durum)	0
Soybeans	7 [^] *
Cotton, Field Corn, and Grain Sorghum	14*
Sugarbeets, Winter Rape, and Canola	60
Any other crop	45

[^] When this product is applied at 0.5 ounce per acre or less the time interval for soybeans is 1 day.

* When this product is used on light textured soils, such as sands and loamy sands, extend time to planting by 7 additional days. Where this product is used on high pH soils (>7.9), extend time to planting by 7 additional days.

PRECAUTIONS

Injury to or loss of adjacent sensitive crops, desirable trees or vegetation may result from failure to observe the following: Take all necessary precautions to avoid all direct or indirect contact (such as spray drift) with non-target plants or areas.

Carefully observe all sprayer cleanup instructions both prior to and after using this product, as spray tank residue may damage crops other than wheat, barley, oats and triticale.

Wheat, barley, oats and triticale may differ in their response to various herbicides. Nufarm recommends that you first consult your state experiment station, university, or extension agent as to sensitivity to any herbicide. If no information is available, limit the initial use of this product to a small area.

Under certain conditions, such as heavy rainfall, prolonged cold weather (daily high temperature less than 50°F), or wide fluctuations in day/night temperatures prior to or soon after this product's application, temporary discoloration and/or crop injury may occur. To reduce the potential of crop injury, tank mix this product with 2,4-D (ester formulations perform best—see Tank Mixtures section of this label) and apply after the crop is in the tillering stage of growth.

This product should not be applied to wheat, barley, oats and triticale that is stressed by severe weather conditions, drought (including low levels of subsoil moisture), low fertility, water saturated soil, disease, or insect damage, as crop injury may result. Risk of injury is greatest when crop is in the 2- to 5-leaf stage. Severe winter stress, drought, disease, or insect damage following application also may result in crop injury.

Dry, dusty field conditions may result in reduced control in wheel track areas.

WEEDS CONTROLLED - ALL USES

Annual knawel
Annual sowthistle
Black mustard
Blue/Purple mustard
Broadleaf dock

Curly dock
False chamomile
Field chickweed
Field pennycress
Filaree (redstem, Texas)

Redroot pigweed
Russian thistle*
Scentless chamomile/mayweed
Shepherd's-purse
Slimleaf lambsquarters

Bur buttercup	Flixweed	Smallflower buttercup
Bushy wallflower/Treacle mustard	Green smartweed	Smallseed falseflax
Clasping pepperweed	Kochia*	Stinking chickweed
Coast fiddleneck	Ladysthumb	Stinking mayweed /Dogfennel
Common buckwheat	Lanceleaf sage*	Swinecress
Common chickweed	London rocket	Tansymustard
Common cocklebur*	Marshelder	Tarweed fiddleneck
Common groundsel	Mayweed chamomile	Tumble/Jim Hill mustard
Common lambsquarters	Miners lettuce	Volunteer lentils
Common radish	Narrowleaf lambsquarters	Volunteer peas
Common ragweed*	Nightflowering catchfly	Volunteer sunflower
Common sunflower	Pennsylvania smartweed	Wild buckwheat*
Corn chamomile	Pineappleweed	Wild chamomile
Corn gromwell*	Prickly lettuce*	Wild garlic*
Corn spurry	Prostrate knotweed	Wild mustard
Cowcockle	Prostrate pigweed	Wild radish*
Cress (mouse-ear)	Redmaids	

WEEDS SUPPRESSED**

Canada thistle*	Mallow (common, little)
Carolina geranium	Nightshade (cutleaf, hairy)
Catchweed bedstraw	Vetch*
Cutleaf eveningprimrose	

* See SPECIFIC WEED INSTRUCTIONS in the Cereals section below for more information.

**Partial control: A visual reduction of weed population as well as a significant loss of vigor for individual weed plants. For better results, use 0.5 or 0.6 ounce of this product per acre and include a tank mix partner such as 2,4-D, MCPA, Buctril, Bison, Bronate or Bronate Advanced), or dicamba (such as Diablo/Clarity), refer to the TANK MIXTURES section of this label.

†Naturally occurring resistant biotypes of kochia, prickly lettuce and Russian thistle are known to occur. See the TANK MIXTURES and SPECIFIC WEED INSTRUCTIONS sections of this label for additional details.

SPECIFIC WEED INSTRUCTIONS

Canada thistle: For control in wheat, barley and triticale, use 0.6 ounce per acre plus surfactant when all thistles are 4" to 8" with 2" to 6" of new growth. Make the application in the spring. Control will be improved by using this product in combination with 2,4-D, dicamba, WideMatch, or Colt (refer to TANK MIXTURES).

For control in oat, use 0.4 oz of this product per acre plus 2,4-D (refer to TANK MIXTURES).

Common cocklebur, Common ragweed, Lanceleaf sage: In wheat, barley and triticale, apply this product at 0.4 to 0.5 oz per acre in combination with 2, 4-D at rates from 1/4 to 3/8 lb active ingredient (ester formulations work best) when weeds are small and actively growing. When using 1/4 lb active ingredient of 2, 4-D, be sure to add surfactant at the rate of 1/4 to 1/2 quart per 100 gallons of spray solution (0.06 to 0.125% v/v--use the higher rate under stress conditions).

For control in oat, use 0.4 oz of this product per acre plus 2,4-D. Refer to the Tank Mixtures sections of this label for additional details.

Corn gromwell, Wild buckwheat: For control in wheat, barley and triticale, use 0.5 to 0.6 oz of this product per acre plus surfactant. For control in oat, use 0.4 oz of this product per acre plus 2,4-D, MCPA or Buctril (refer to TANK MIXTURES).

Kochia, Russian thistle, Prickly lettuce: Naturally occurring resistant biotypes of these weeds are known to occur. For best results, use this product in a tank mix with dicamba (such as Diablo/Diablo SGF/Clarity) and 2, 4-D; or Bromoxynil (such as Buctril) and 2,4-D (3/4 - 1 pt Buctril + 1/4 - 3/8 lb active ingredient 2, 4-D ester). This product should be applied in the spring when weeds are less than 2" tall or 2" across and are actively growing. Refer to the Tank Mixtures section of this label for additional details.

Vetch (common and hairy): For control in wheat, barley and triticale, use 0.5 to 0.6 oz of this product per acre plus surfactant when vetch is less than 6" in length. For severe infestations of vetch, or when vetch is greater than 6" in length, use this product in combination with 2,4-D or MCPA (refer to the Tank Mixtures section of this label).

For control in oat, use 0.4 oz of this product per acre plus 2,4-D or MCPA (refer to TANK MIXTURES).

Wild garlic: For control in wheat, barley and triticale, use 0.5 to 0.6 oz of this product per acre plus surfactant when wild garlic plants are less than 12" tall with 2" to 4" of new growth. For severe infestations, use the 0.6 oz per acre rate of this product. Plants hardened-off by cold weather and/or drought stress may be more difficult to control. Thorough spray coverage of all garlic plants is essential. Typical symptoms of dying garlic plants may not be noticeable for 2 to 5 weeks.

For control in oat, use 0.4 oz of this product per acre plus 2,4-D or MCPA (refer to TANK MIXTURES)

Wild radish: For best results in wheat, barley and triticale, apply 0.4 to 0.6 oz of this product per acre plus surfactant either in the fall or spring to wild radish rosettes less than 6 inches in diameter. Applications made later than 30 days after weed emergence will result in partial control. For increased control of severe wild radish infestations, or wild radish emerged greater than 30 days, apply this product at 0.3 oz per acre in combination with MCPA at 1/4 lb active ingredient per acre. Surfactant is required when tank mixing with

MCPA, add 1 quart per 100 gallons of spray solution (0.25% vol/vol). Fall applications should be made prior to hardening off of plants. For control in oat, use 0.4 oz of this product per acre plus 2,4-D or MCPA (refer to TANK MIXTURES).

APPLICATION INFORMATION

Since this product has very little or no soil activity, it controls only those weeds that have germinated; therefore, apply this product when all or most of the weeds have germinated. Annual broadleaf weeds should be past the cotyledon stage, actively growing, and less than 4" tall or wide. Wild garlic plants should be less than 12" tall with 2" to 4" of new growth. See Specific Weed Instructions for more information.

Rainfall immediately after treatment can wash this product off of weed foliage, resulting in reduced weed control. Several hours of dry weather are needed to allow this product to be sufficiently absorbed by weed foliage.

SPECIFIC USE - FALLOW

APPLICATION TIMING

This product may be used as a fallow treatment, in the spring or fall when the majority of weeds have emerged and are actively growing.

USE RATES

Apply this product at 0.3 to 0.6 oz per acre to fallow. Two applications of this product may be made provided the total amount applied does not exceed 1.0 oz per acre per crop season.

This product should be applied in combination with other suitable registered fallow herbicides such as Landmaster II, Fallow Master, Credit plus 2,4-D (ester formulations work best), Credit plus Diablo/Banvel SGF/Clarity, 2,4-D, Diablo/Diablo SGF/Clarity.

TANK MIXTURES IN FALLOW

This product, when used as a fallow treatment, should be tank mixed with other herbicides that are registered for use in fallow. Read and follow all manufacturer's label instructions for the companion herbicide. If those instructions conflict with this label, do not tank mix the herbicide with this product.

SPECIFIC USE - PREPLANT BURNDOWN

APPLICATION TIMING

This product may be used as a burndown treatment to wheat (Including durum), barley and triticale to control emerged weeds prior to, or shortly after planting (prior to emergence). Make applications when the majority of weeds have emerged and are actively growing.

This product may also be used as a burndown treatment prior to planting other crops such as soybeans, corn, grain sorghum, rice and cotton. See "CROP ROTATION" for the minimum time Interval required before planting other crops.

Cotton Precaution: Seedling disease, nematodes, cold weather, deep planting (more than 2"), excessive moisture, high salt concentration, and or drought may weaken cotton seedling and increase the possibility of crop injury. Cotton resumes normal growth once favorable growing conditions return.

USE RATES

Apply this product at 0.3 to 0.6 ounce per acre as a burndown treatment before planting all crops except cotton. Apply 0.3 to 0.5 per acre as a burndown treatment before planting cotton. This product should be applied in combination with other suitable registered burndown herbicides (see TANK MIXTURES -PRE-PLANT BURNDOWN).

Sequential treatments of this product may be made provided the total amount applied during one fallow/pre-plant cropland season does not exceed 1.0 ounce per acre; for example, 0.5 ounce in the fall followed by 0.5 ounce in the spring.

Use the higher end of the rate range when weed infestation is heavy or predominantly consists of those weeds listed under PARTIAL CONTROL or when application timing and environmental conditions are marginal.

Do not make more than one pre-plant or at-planting application to field corn, rice, grain sorghum or soybeans per growing season.

Do not apply after planting cotton, field corn, grain sorghum or soybeans.

SPECIFIC USE - CEREALS

APPLICATION TIMING

This product may be used for selective postemergence weed control in cereals. Apply this product when all or most of the weeds have germinated. Annual broadleaf weeds should be past the cotyledon stage, actively growing, and less than 4" tall or wide.

Rainfall immediately after treatment can wash NIMBLE off of weed foliage, resulting in reduced weed control. Several hours of dry weather are needed to allow NIMBLE to be sufficiently absorbed by weed foliage.

Wheat (Including Durum), Barley, Winter Oat and Triticale - Make applications after the crop is in the 2-leaf stage, but before the flag leaf is visible.

Spring Oat - Make applications after the crop is in the 3-leaf stage, but before jointing.

Do not use on "Ogle", "Porter" or "Premier" varieties as crop injury can occur.

USE RATES

Do not use less than 0.3 ounce of this product per acre.

Wheat (including Durum) Barley and Triticale

Apply 0.3 to 0.6 ounces of this product per acre to wheat (Including durum), barley or triticale. Two applications of this product may be made provided the total amount applied does not exceed 1.0 oz per acre per crop season.

Use 0.3 to 0.4 ounce of this product per acre for light Infestation of the weeds listed under WEEDS CONTROLLED. Conditions at application should be optimum for effective treatment of these weeds.

Use 0.5 ounces of this product per acre for heavy Infestation of the weeds listed under WEEDS SUPPRESSED.

Use 0.6 ounces of this product per acre for heavy Infestation of the weeds listed under WEEDS SUPPRESSED when application timing and environmental conditions are marginal (refer to ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY for best performance).

Oat (Spring and Winter)

Apply 0.3 to 0.4 ounce of this product per acre for control of the weeds listed In the WEEDS CONTROLLED table. Do not make more than one application of this product per crop season on oat.

SPECIFIC USE – COTTON

APPLICATION TIMING

This product may be applied for burndown of emerged weeds prior to the emergence of cotton. This product may be used as part of a pre-plant burn-down treatment, in combination with other suitable registered pre-plant herbicides.

Read and follow all manufacturers' label instructions for the companion herbicide. If those instructions conflict with this label, do not tank mix the herbicide with this product.

USE RATES

Apply this product at 0.3 to 0.5 ounce per acre for control or partial control of the weeds listed on this label. Allow at least 14 days between application of this product and planting of cotton. Include a non-ionic surfactant, petroleum based crop oil concentrate, or vegetable-seed oil-based product (methylated seed oils are considered a vegetable seed-based oil).

If another herbicide is tank mixed with this product to increase the broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the companion herbicide.

RESTRICTION: Do not apply later than 14 days before planting cotton.

SPECIFIC USE - SUGARBEETS, WINTER RAPE AND CANOLA

APPLICATION TIMING

Allow at least 60 days between application of this product and planting of sugarbeets, winter rape and canola.

USE RATES

Apply this product at 0.3 to 0.6 ounces per acre as a burndown treatment to sugarbeets, winter rape and canola.

SPECIFIC USE - ANY OTHER CROP (SUCH AS CORN, RICE, GRAIN SORGHUM OR SOYBEANS)

APPLICATION TIMING

Allow at least 45 days between application of this product and planting of any other crop (such as corn, rice, grain sorghum or soybeans).

USE RATES

Sequential treatments of this product may also be made provided the total amount of product applied during one fallow/pre-plant cropland season does not exceed 1.0 oz per acre; for example, 0.5 oz in the fall followed by 0.5 oz in the spring. Use the 0.6 oz per acre rate when weed infestation is heavy and predominantly consists of those weeds listed under PARTIAL CONTROL, or when application timing and environmental conditions are marginal. (See APPLICATION TIMING Section for restriction on planting intervals.)

Apply this product at 0.3 to 0.6 ounce per acre as a burndown treatment to any other crop (such as corn, rice, grain sorghum or soybeans).

SPECIFIC USE - PREPLANT APPLICATION FOR BROADLEAF WEED AND WILD GARLIC CONTROL PRIOR TO PLANTING CORN, COTTON, RICE, GRAIN SORGHUM OR SOYBEANS

In the states of AL, AR, DE, GA, IA, IN, IL, KY, LA, MD, MO, MS, NC, OH, PA, SC, TN, TX and VA, this product may be applied prior to planting corn, cotton, rice, grain sorghum or soybeans for the control of certain broadleaf weeds and wild garlic. This product may be applied from late fall through early spring.

Do not apply within 45 days prior to planting the above listed crops. Do not use this product through any type of irrigation equipment.

PRODUCT INFORMATION

This product provides postemergence activity for short term control or partial control of labeled weeds. Degree of control and duration of effect are dependent on rate used, sensitivity and size of target weed, environmental conditions at the time of and following

application, and spray coverage.

Best results are obtained when this product is applied to young, actively growing weeds. The use rate will depend on weed spectrum and size of weed at time of application. However, typical symptoms of dying weeds (discoloration) may not be noticeable for 1-3 weeks after application (2-5 weeks for wild garlic) depending on the environmental conditions and weed susceptibility. Warm, moist conditions following treatment promote the activity of this product while cold, dry conditions delay the activity. Weeds hardened off by cold weather, drought stress or too wet conditions will be less susceptible.

Some naturally occurring weed biotypes* resistant to this product are known to exist. If weeds listed on this label are not satisfactorily controlled, respray problem areas in a timely and effective manner using a broadleaf herbicide having a different mode of action.

*Biotypes are naturally occurring individuals of the species, which have a slightly different make-up. Resistant biotypes may look exactly the same as susceptible biotypes. Herbicide-resistant biotypes are able to survive a use rate several times higher than needed to control susceptible biotypes.

APPLICATION TIMING

Apply this product at least 45 days prior to planting corn, cotton, rice, grain sorghum or soybeans. Annual broadleaf weeds should be past the cotyledon stage, actively growing, but less than 4 inches tall or across. See SPECIFIC WEED INSTRUCTIONS for information on vetch (hairy, common), wild garlic and wild radish.

WEED CONTROL Application Rates:

Apply this product at 0.5 - 0.6 oz per acre to control emerged weeds. Use 0.6 oz per acre rate when weed infestation is heavy and predominantly consists of those weeds listed under PARTIAL CONTROL or when application timing and environmental conditions are marginal. Reduce the application rate to 0.5 ounces for fields to be planted to cotton.

Sequential treatments of this product to control emerged weeds may also be made provided the total amount of this product applied during one fallow cropland season does not exceed 1.0 oz per acre; for example, 0.5 oz in the fall followed by 0.5 oz in the spring. At least one of the sequential treatments should include a tank mix partner herbicide having a different mode of action than this product.

Foliar absorption is the primary means of this product uptake by plants; therefore, thorough coverage of all target weeds is essential.

Conditions which are conducive to healthy, actively growing plants optimize this product's weed control performance. Ideal conditions include warm temperatures and adequate soil moisture before, during and immediately after application.

TANK MIX

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

TANK MIXTURES - FALLOW

This product may be used as a preplant burndown treatment alone or tank mixed with other herbicides that are registered for use as a preplant burndown product, such as glyphosate (Credit), 2,4-D, and dicamba (Clash / Diablo).

TANK MIXTURES IN PRE-PLANT BURNDOWN

This product may be used as a pre-plant burndown treatment alone or tank mixed with other herbicides that are registered for use as a pre-plant burndown product, such as Landmaster II, Fallow Master, Credit plus Diablo/Diablo SGF/Clarity, or Diablo/Diablo SGF/Clarity alone.

Read and follow all manufacturers' label instructions for the companion herbicide. If those instructions conflict with this label, follow the most restrictive labeling (such as planting interval after application), or do not tank mix the herbicide with this product.

TANK MIXTURES - CEREALS

This product may be tank mixed with other suitable registered herbicides to control weeds listed as suppressed, weeds resistant to this product or weeds not listed under Weeds Controlled. Read and follow all manufacturers' label instructions for the companion herbicide. If those instructions conflict with this label, do not tank mix the herbicide with this product.

This product can also be mixed with registered fungicides, insecticides, or liquid fertilizer for use on wheat, barley, triticale, oat, or fallow.

With 2,4-D (amine or ester) or MCPA (amine or ester)

This product may be tank mixed with the amine and ester formulations 2,4-D and MCPA herbicides for use on wheat, barley, triticale and oat.

For best results in the Red River Valley and adjacent areas of North Dakota and Minnesota, add the ester formulations of 2,4-D or MCPA herbicides to the tank at 3/8 lb active ingredient (such as 3/4 pt of a 4 lb/gal product, 1/2 pt of a 6 lb/gal product). No additional surfactant is needed with this mixture.

For best results in other areas, add the ester formulations of 2,4-D or MCPA herbicides to the tank at 1/4 to 3/8 lb active ingredient (such as 1/2 - 3/4 pt of a 4 lb/gal product, 1/3 - 1/2 pt of a 6 lb/gal product). Surfactant may be added to the mixture at 1/2 to 1 qt per 100 gal of spray solution (0.125 to 0.25% v/v); however, adding surfactant may increase the potential for crop injury, especially at the higher phenoxy rates.

Higher rates of 2,4-D or MCPA may be used, but do not exceed the highest rate allowed by those respective labels. Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using these tank mixtures.

With dicamba (such as Diablo/Diablo SGF/Clarity)

This product may be tank mixed with 1/16 to 1/8 lb active ingredient dicamba (such as 2-4 fluid oz Diablo, 4-8 fluid oz Diablo SGF, 2-4 fluid oz Clarity). Use higher rates when weed infestation is heavy. Surfactant may be added to the mixture at 1/2 to 1 qt per 100 gal of spray solution (0.125 to 0.25% v/v); however, adding surfactant may increase the potential for crop injury. Refer to the specific dicamba label for application timing and restrictions.

Tank mixes of this product plus dicamba may result in reduced control of some broadleaf weeds.

With 2,4-D (amine or ester) and Diablo/Clarity

This product may be applied in a 3-way tank mix with formulations of dicamba and 2,4-D. Make application of this product + 1/16 to 1/8 lb active ingredient dicamba (such as 2 - 4 fluid oz Diablo, 4 - 8 fluid oz Diablo SGF, 2 - 4 fluid oz Clarity) + 1/4 - 3/8 lb active ingredient 2,4-D Ester or Amine per acre. Use higher rates when weed infestation is heavy. Surfactant may be added to the mixture at 1/2 to 1 qt per 100 gal of spray solution (0.125 to 0.25% v/v); however, adding surfactant may increase the potential for crop injury.

Consult the specific 2,4-D label, dicamba label, or local recommendations for more information and restrictions.

Apply this 3-way combination to winter wheat and winter oat after the crop is tillering and prior to jointing (first node). In Spring wheat (including durum) and Spring oat, apply after the crop is tillering and before it exceeds the 5-leaf stage.

In Spring barley, apply after the crop is tillering and before it exceeds the 4-leaf stage.

With bromoxynil (such as Maestro, Buctril, Bronate, Bronate Advanced, or Rhino)

This product may be tank mixed with bromoxynil containing herbicides registered for use on wheat, barley, triticale, or fallow. For best results, add bromoxynil containing herbicides to the tank at 3/16 to 3/8 lb active ingredient per acre (such as Bronate or Buctril at 3/4 - 1-1/2 pt per acre).

Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using these tank mixtures.

Follow the most restrictive labeling. Tank mixes of this product plus Buctril may result in reduced control of Canada thistle.

With Express or Express XP Herbicide

This product may be tank mixed with Express or Express XP based on local recommendations. Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using this tank mixture.

With Ally or Ally XP Herbicide

This product may be tank mixed with Ally or Ally XP based on local recommendations. Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using this tank mixture.

With Starane

For improved control of Kochia (2-4" tall), Russian thistle, mustard species, and wild buckwheat, This product may be tank mixed with 1/3 to 1-1/3 pints per acre of Starane. Refer to the most restrictive provisions on either label will apply. Do not use the tank mix if any restrictions on the Starane label conflict with recommendations on this herbicide label.

Other suitable registered herbicides, fungicides, and insecticides registered for use on small grains or fallow may be tank mixed or used sequentially with this mixture. Read and follow all manufacturers' label instructions for the companion herbicide. The most restrictive provisions on either label will apply.

With Starane + Salvo

This product can be tank mixed with Starane + Salvo herbicides for improved control of broadleaf weeds in wheat, barley, fallow and oats.

For improved control of Kochia (2-4" tall), Russian thistle, mustard species and wild buckwheat, this product may be tank mixed with 2/3 to 2-2/3 pints per acre of Starane + Salvo. Refer to this product's label, and the Starane and Salvo labels for information regarding use restrictions, labeled crops, rotational cropping recommendations, sprayer cleanup, use precautions and other information. The most restrictive provisions on either label will apply. Do not use the tank mix if any restrictions on the Starane or Salvo label conflict with instructions on this product's label.

With Starane + Sword

This product can be tank mixed with Starane + Sword herbicides for improved control of broadleaf weeds in wheat, barley, fallow and oats.

For improved control of Kochia (2-4" tall) Russian thistle, mustard species and wild buckwheat, this product may be tank mixed with 3/4 to 2-3/4 pints per acre of Starane + Sword. Refer to this product's label, and the Starane and Sword labels for information regarding use restrictions, labeled crops, rotational cropping recommendations, sprayer cleanup, use precautions and other information. The most restrictive provisions on either label will apply. Do not use the tank mix if any restrictions on the Starane or Sword label conflict with instructions on this product's label.

Other suitable registered herbicides, fungicides, and insecticides registered for use on cereal grains or fallow may be tank mixed or used sequentially with this mixture. Read and follow all manufacturers' label instructions for the companion herbicide. The most restrictive provisions on either label will apply.

With Aim

This product can be tank mixed with Aim herbicide for improved control of weeds in wheat, barley and triticale.

With Stinger or Cutback or Cutback M or Widematch

This product can be tank mixed with Stinger, Cutback, Cutback M or Widematch herbicides for improved control of weeds in wheat, barley and triticale.

With Other Broadleaf Herbicides

Tank mixes of this product plus metribuzin may result in reduced control of wild garlic.

With Hoelon Herbicide

This product may be used in combination with Hoelon 3EC and Buctril herbicides in accordance with the Hoelon 3EC label. For best results, use the three-way tank mix of this product at 0.4 oz per acre plus Hoelon 3EC at 2 2/3 pt per acre plus Buctril at 1 1/2 pt per acre. Apply only to winter wheat. This tank mix should only be used under good soil conditions when wild oat is in the 1-4 leaf stage. If conditions are not ideal for the performance of Hoelon 3EC, wild oat control may be reduced. Be sure to follow all warnings and cautions on the Hoelon 3EC and Buctril labels.

With Discover NG

This product can be tank mixed with Discover NG herbicide for improved control of weeds in spring wheat.

With Everest

This product can be tank mixed with Everest herbicide for improved control of weeds in spring wheat.

With Maverick

This product can be tank mixed with Maverick herbicide for improved control of weeds in wheat.

With Puma

This product can be tank mixed with Puma 1 EC for control of some annual grass weeds. This tank mix may also include MCPA ester, bromoxynil or bromoxynil/MCPA for greater spectrum of broadleaf control - see Puma IEC label for specific use directions and restrictions on tank mixes.

With other grass control products

Tank mixtures of this product and grass control products may result in poor grass control. Nufarm recommends that you first consult your state experiment station, university, or extension agent, Agricultural dealer, or Nufarm representative as to the potential for antagonism before using the mixture. If no information is available, limit the initial use of this product and the grass product to a small area.

With Insecticides

This product may be tank mixed or used sequentially with insecticides (or fungicides) registered for use on cereal grains. However, under certain conditions (drought stress, or if the crop is in the 2-4 leaf stage), tank mixes or sequential applications of this product with organophosphate insecticides (such as parathion) may produce temporary crop yellowing or, in severe cases, crop injury. Test these mixtures in a small area before treating large areas.

Do not use this product plus Malathion, as crop injury will result

With Liquid Nitrogen Solution Fertilizer

Liquid nitrogen fertilizer solutions may be used as a carrier in place of water. Run a tank mix compatibility test before mixing this product in fertilizer solution. This product must first be slurried with water and then added to liquid nitrogen solutions (e.g., 28-0-0, 32-0-0). Ensure that the agitator is running while the product is added. Use of this mixture may result in temporary crop yellowing and stunting.

If using low rates of liquid nitrogen fertilizer in the spray solution (less than 50% of the spray solution volume), the addition of surfactant is necessary. Add surfactant at 1/4 qt - 1 qt per 100 gal of spray solution (0.06 - 0.25% v/v) based on local recommendations.

When using high rates of liquid nitrogen fertilizer solution in the spray solution, adding surfactant increases the risk of crop injury. Consult your agricultural dealer, consultant, fieldman, or Nufarm representative for a specific recommendation before adding an adjuvant to these tank mixtures.

If 2,4-D or MCPA is included with this product and fertilizer mixture, ester formulations tend to be more compatible (See manufacturer's label). Additional surfactant is not needed when using this product in tank mix with 2,4-D ester or MCPA ester and liquid nitrogen fertilizer solutions.

Note: In certain areas east of the Mississippi river, unacceptable crop response may occur with use of straight or dilute nitrogen fertilizer carrier solutions where cold temperatures or widely fluctuating day/night temperatures exist. In these areas consult your agricultural dealer, consultant, field advisor, or Nufarm representative for a specific recommendation before using nitrogen fertilizer carrier solutions.

Liquid nitrogen fertilizer solutions that contain sulfur can increase crop response.

Do not use low rates of liquid nitrogen fertilizer solution as a substitute for a surfactant.

Do not use with liquid fertilizer solutions with a pH less than 3.0.

SPRAY ADJUVANTS

Always include a spray adjuvant with applications of this product. In addition to a spray adjuvant, an ammonium nitrogen fertilizer may be used.

Consult your Ag dealer or applicator, local Nufarm fact sheets, technical bulletins, and service policies prior to using an adjuvant system. If another herbicide is tank mixed with this product, select adjuvants authorized for use with both products. Products must contain only EPA-exempt ingredients (40 CFR 1001).

NONIONIC SURFACTANT (NIS)

- Apply 0.06% to 0.50% volume/volume (1/2 to 4 pints per 100 gallon of spray solution).
- Surfactant products must contain at least 60% nonionic surfactant with a hydrophilic/lipophilic balance (HLB) greater than 12.
- See the Tank Mixtures section of this label for additional information.

PETROLEUM CROP OIL CONCENTRATE (COC) OR MODIFIED SEED OIL (MSO)

- Apply at 1% volume/volume (1 gallon per 100 gallon spray solution) or 2% volume/volume under arid conditions.
- Oil adjuvants must contain at least 80% high quality, petroleum (mineral) or modified vegetable seed oil with at least 15% surfactant emulsifiers.

SPECIAL ADJUVANT TYPES

- Combination adjuvant products may be used at doses that provide the required amount of NIS, COC, MSO and/or ammonium nitrogen fertilizer. Consult product literature for use rates and restrictions.
- In addition to the adjuvants specified above, other adjuvant types may be used if they provide the same functionality and have been evaluated and approved by Nufarm product management. Consult separate Nufarm technical bulletins for detailed information before using adjuvant types not specified on this label.

AMMONIUM NITROGEN FERTILIZER

- Use 2 quarts per acre of a high-quality urea ammonium nitrate (UAN), such as 28%N or 32%N, or 2 pounds per acre of a spray-grade ammonium sulfate (AMS). Use 4 quarts per acre UAN or 4 pounds per acre AMS under arid conditions.

SPRINKLER CHEMIGATION WITH THIS PRODUCT AND BRONATE FOR POSTEMERGENCE WEED CONTROL IN WINTER & SPRING WHEAT & SPRING BARLEY IN IDAHO

HOW TO USE

Use 0.4 to 0.5 oz of this product per acre in combination with 3/4 to 1 1/2 pint Bronate per acre. Apply to wheat, barley and triticale after the 3-leaf stage but before the flag leaf is visible. Make only one chemigation application of this tank mixture per crop year. For best results, apply to broadleaf weeds up to the 4-leaf stage, or 2 inches in height or 1 inch in diameter, whichever comes first. Consult this product and Bronate package labels for list of weeds controlled/suppressed.

SPRINKLER IRRIGATION APPLICATION

Apply this tank mix through sprinkler irrigation systems including center pivot, lateral move, side (wheel) roll, solid set or hand move irrigation systems only. Do not apply these herbicides through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for this product's application to any public water system. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The sprinkler chemigation system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

SPECIFIC REQUIREMENTS FOR APPLICATION THROUGH SPRINKLER IRRIGATION SYSTEMS

1. In center pivot and continuous lateral move systems, this product + Bronate should be applied continuously for the duration of the water application. In solid set systems, application of the tank mix should be made during the last 30 to 45 minutes of the irrigation set.
2. Set the sprinkler system to deliver approximately 0.5 inch or less of water per acre for best product performance.
3. Fill the supply tank with half of the water amount desired, add this product and agitate it well. Add the Bronate and then add the remaining water amount with agitation. Bronate requires a dilution with at least 4 parts water to 1 part Bronate.
4. Agitation is recommended in the pesticide supply tank when applying this tank mix.
5. The use of a surfactant is not recommended with this tank mix application.
6. Inject this product + Bronate solution at least 8 feet ahead of a right angle turn of irrigation pipe to insure adequate mixing. Allow sufficient time for the herbicide mixture to be flushed through the lines before turning off irrigation water.
7. Follow both this product and Bronate label instructions for spray tank cleanout both before and after application. Flush lines with clean water following application.
8. Do not apply when wind speed favors drift beyond the area intended for treatment. Avoiding spray drift is the responsibility of the applicator.

MIXING INSTRUCTIONS

1. Fill the tank 1/4 to 1/3 full of water.
2. While agitating, add the required amount of this product.
3. Continue agitation until the product is fully dispersed, at least 5 minutes.
4. Once the product is fully dispersed, maintain agitation and continue filling tank with water. This product should be thoroughly mixed with water before adding any other material.

5. As the tank is filling, add tank mix partners (if desired) then add the required volume of nonionic surfactant. Always add surfactant last. Do not use with spray additives that alter the pH of the spray solution below pH 5.0 or above pH 9.0, as rapid product degradation can occur. Spray solutions of pH 6.0-8.0 allow for optimum stability of this product.
6. If the mixture is not continuously agitated, settling will occur. If settling occurs, thoroughly re-agitate before using.
7. Apply product spray mixture within 24 hours of mixing to avoid product degradation.
8. If this product and a tank mix partner are to be applied in multiple loads, pre-slurry this product in clean water prior to adding to the tank. This will prevent the tank mix partner from interfering with the dissolution of this product.

PRODUCT MEASUREMENT

This product is measured using the product volumetric measuring cylinder. The degree of accuracy of this cylinder varies by $\pm 7.5\%$. For more precise measurement, use scales calibrated in ounces.

SURFACTANTS- ALL USES

Unless otherwise specified, add a DuPont recommended nonionic surfactant having at least 80% active ingredient at 1 to 2 qt per 100 gal of spray solution (0.25 to 0.5% v/v -refer to TANK MIXTURES for specific adjuvant instructions when this product is used in a tank mix).

For pre-plant burndown in Cotton, include a nonionic surfactant, petroleum based crop oil concentrate, or a vegetable-seed oil-based product (methylated seed oils are considered a vegetable seed-based oil). If another herbicide is tank mixed with this product to increase the broadleaf weed spectrum, select adjuvants based on the adjuvant limitations of the companion herbicide.

Consult your agricultural dealer, applicator, or DuPont representative for a listing of recommended surfactants. Antifoaming agents may be used if needed.

Do not use low rates of liquid nitrogen fertilizer solution as a substitute for surfactant.

GROUND APPLICATION - ALL USES

For optimum spray distribution and thorough coverage, use flat-fan or low-volume flood nozzles.

For flat-fan nozzles, use a spray volume of at least 5 gal per acre (GPA).

For flood nozzles on 30" spacings, use at least 10 GPA, flood nozzles no larger than TK10 (or the equivalent), and a pressure of at least 30 psi. For 40" nozzle spacings, use at least 13 GPA; for 60" spacings use at least 20 GPA. It is essential to overlap the nozzles 100% for all spacings.

Raindrop RA nozzles are not recommended for product applications, as weed control performance may be reduced.

Use screens that are 50-mesh or larger.

AERIAL APPLICATION - ALL USES

Use nozzle types and arrangements that provide optimum spray distribution and maximum coverage at 2 to 5 GPA. Use at least 3 GPA in Idaho, Oregon, or Utah.

Do not apply this product by air in the state of New York.

See the Spray Drift Advisories section of this label.

SPRAY EQUIPMENT

For specific application equipment, refer to the manufacturer's recommendations for additional information on GPA, pressure, speed, nozzle types and arrangements, nozzle heights above the target canopy, etc.

Be sure to calibrate air or ground equipment properly before application. Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern with minimum drift. Use higher spray volumes to obtain better coverage when crop canopy is dense. Avoid swath overlapping, and shut off spray booms while starting, turning, slowing, or stopping, to avoid injury to the crop.

Do not make applications using equipment and/or spray volumes or during weather conditions that might cause spray to drift onto nontarget sites. For additional information on spray drift refer to Spray Drift Advisories section of label.

Continuous agitation is required to keep this product in suspension.

SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

AIR ASSISTED (AIR BLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Consult the spray equipment section of this label to determine if use of an air assist sprayer is recommended.

SPRAYER CLEANUP

The spray equipment must be cleaned before this product is sprayed. Follow the cleanup procedures specified on the labels of the previously applied products. If no directions are provided, follow the six steps outlined in After Spraying This Product.

SPRAYER CLEANUP FOR MULTIPLE LOAD SPRAYING

It is recommended that during periods when multiple loads of this product are applied, at the end of each day of spraying the interior of the tank be rinsed with fresh water and then partially filled, and the boom and hoses flushed. This will prevent the buildup of dried pesticide deposits which can accumulate in the application equipment.

AFTER SPRAYING AND BEFORE SPRAYING CROPS OTHER THAN WHEAT, BARLEY, TRITICALE AND OAT

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of this product as follows:

1. Drain tank; thoroughly rinse spray tanks, boom, and hoses with clean water. Loosen and physically remove any visible deposits.
2. Fill the tank with clean water and 1 gal of household ammonia* (contains 3% active) for every 100 gal of water. Flush the hoses, boom, and nozzles with the cleaning solution. Then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 min. Flush the hoses, boom, and nozzles again with the cleaning solution, and then drain the tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat step 2.
5. Rinse the tank, boom, and hoses with clean water.
6. If only Ammonia is used as a cleaner, the rinsate solution may be applied back to the crop(s) recommended on this label. Do not exceed the maximum labeled use rate. If other cleaners are used, consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal facility.

*Equivalent amounts of an alternate-strength ammonia solution or a DuPont-approved cleaner can be used in the cleanout procedure.

Carefully read and follow the individual cleaner instructions. Consult your Ag dealer, applicator, or DuPont representative for a listing of approved cleaners.

Notes:

1. CAUTION: Do not use chlorine bleach with ammonia as dangerous gases will form. Do not clean equipment in an enclosed area.
2. Steam-cleaning aerial spray tanks is recommended prior to performing the above cleanout procedure to facilitate the removal of any caked deposits.
3. When this product is tank mixed with other pesticides, all cleanout procedures should be examined and the most rigorous procedure should be followed.
4. In addition to this cleanout procedure, all pre-cleanout guidelines on subsequently applied products should be followed as per the individual labels.
5. Where routine spraying practices include shared equipment frequently being switched between applications of this product and applications of other pesticides to product-sensitive crops during the same spray season, it is recommended that a sprayer be dedicated to this product to further reduce the chance of crop injury.

INTEGRATED PEST MANAGEMENT

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

PESTICIDE DISPOSAL: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL:

For Plastic Containers: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container half full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times.

For Fiber Sacks: Nonrefillable container. Do not reuse or refill this container. Completely empty sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then offer for recycling, if available, or dispose of sack in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Fiber Drums with Liners: Nonrefillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then offer for recycling, if available, or dispose of liner in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For Paper and Plastic Bags: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately.

Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire or other emergency contact CHEMTREC 1-800-424-9300.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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[Optional Marketing Claims:]

[Nufarm Grow a better tomorrow.]

[Grow a better tomorrow.]

[NOTES TO REVIEWER:]

[Note to reviewer: Any text found in brackets “[” “]” is optional on container label.]

[State restrictions will not be found on the container label if the product is not registered in that associated state.]

[Making the product more restrictive than Federally accepted by incorporating the optional statement “Not for use in California.” may be undertaken on the container label for any use, weed or crop as determined to be necessary to procure CADPR registration.]