



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 13, 2026

Dazhi Mao
Regulatory Manager
Nufarm, Inc.
4000 Aerial Center Pkwy, Suite 101
Morrisville, NC 27560

Subject: Label Amendment - Registration Review Mitigation for Clopyralid, Fluroxypyr & MCPA
Product Name: Truslate Pro Herbicide
EPA Registration Number: 71368-88
Case Number: 476697, 472655 & 477664
Application Dates: 5/10/2021, 8/12/2021 & 8/26/2021

Dear Dazhi Mao:

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 Clopyralid, Fluroxypyr, and MCPA 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 Lauren Weissenborn via email at weissenborn.lauren@epa.gov.

Sincerely,



Cathryn Britton
Chief, Risk Management and Implementation
Branch V
Pesticide Re-evaluation Division (7508M)
Office of Pesticide Programs

ENCLOSURE: Stamped label

ACCEPTED

01/13/2026

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under
EPA Reg. No. 71368-88

MCPA	GROUPS	4	HERBICIDES
FLUROXYPYR	GROUPS	4	HERBICIDES
CLOPYRALID	GROUPS	4	HERBICIDES

TruSlate™ Pro Herbicide

Annual and perennial broadleaf postemergence control in barley, oats and wheat
not underseeded with a legume

ACTIVE INGREDIENTS:

MCPA-EHE: 2-methyl-4-chlorophenoxyacetic acid, 2-ethylhexyl ester*	30.73%
Fluroxypyr 1-methylheptyl ester: ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic acid, 1-methylheptyl ester**	10.37%
Clopyralid: 3,6-dichloro-2-pyridinecarboxylic acid***	5.60%
OTHER INGREDIENTS:	<u>53.30%</u>
TOTAL:	100.00%

Contains petroleum distillates

Equivalent to:

* MCPA Acid	19.7%, 1.75 lb/gal
** Fluroxypyr Acid.....	7.2%, 0.64 lb/gal
*** Clopyralid Acid	5.6%, 0.50 lb/gal

KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

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.)

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

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

EPA REG. NO. 71368-88
EPA EST. NO.

MANUFACTURED FOR:
NUFARM, INC.
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



NET CONTENTS:

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING - AVISO

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

All mixers, loaders, applicators, flaggers, and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes and socks, plus
- Chemical-resistant gloves made of barrier laminate, butyl rubber \geq 14 mils, neoprene rubber \geq 14 mils nitrile rubber \geq 14 mils or viton \geq 14 mils, and
- protective eyewear (goggles, face shield or safety glasses)

Handlers must use closed mixing loading systems during mixing and loading liquids for aerial application to barley, flax, oats, pasture and rangeland grass, rye, triticale, wheat, and grass grown for seed.

See engineering controls for additional requirements.

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.

Engineering Control Statement:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE may be reduced or modified as specified in the WPS. Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

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. If pesticide gets on skin, wash immediately with soap and water.
- 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	<ul style="list-style-type: none">• 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.
IF SWALLOWED	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.

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.

NOTE TO PHYSICIAN

May pose aspiration pneumonia hazard. Contains petroleum distillate.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates and aquatic plants. 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 when cleaning equipment or disposing of equipment washwaters. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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 site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

GROUNDWATER ADVISORY

Clopyralid and MCPA are known to leach through soil into groundwater under certain conditions as a result of label use. These chemicals may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

SURFACE WATER ADVISORY

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 groundwater. 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 clopyralid from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

DIRECTIONS FOR USE

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

Restrictions

For aerial application:

Handlers must use closed mixing loading systems during mixing and loading liquids for aerial application to barley, flax, oats, pasture and rangeland grass, rye, triticale, wheat, and grass grown for seed.

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 requirement 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 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 48 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 (see PPE section above), shoes plus socks, and protective eyewear.

Off-site Compost and Animal feed/bedding Restrictions

Holding time restriction for compost

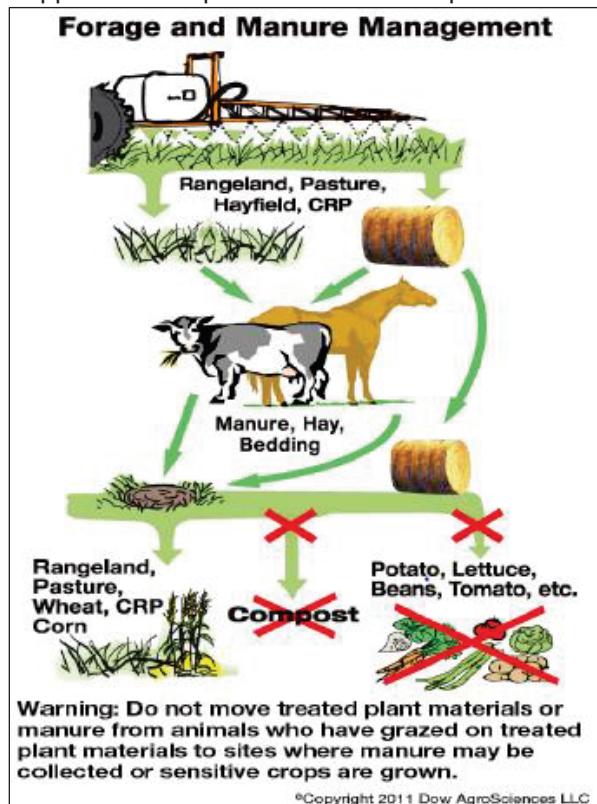
This product is persistent and may be present in treated plant materials for months to years after application. Do not sell or transport treated plant materials or manure from animals that have grazed on treated plant materials off-site for compost distribution or for use as animal bedding/feed for 18 months after application.

Manure from animals that have grazed or eaten forage or hay harvested from treated areas within the previous three days may only be applied to the fields where the following crops will be grown: pasture grasses, grass grown for seed, wheat and corn.

Clean out period for livestock

Animals that have been fed fluroxypyr/clopyralid treated forage must be fed forage free of fluroxypyr/clopyralid for at least 3 days before they are moved off the treated property.

- The applicator must document that they have notified property owners/operators, or customers, in writing, of the compost and animal bedding/feed prohibitions before application of the product occurs. Applicators must keep the records of notification for two years. This record must include date of application, the name of the applicator, the EPA registration number of the product applied, the area(s) treated, and a copy of the written notification provided to the property owner/operator. Notification may be made via email, via mail, via paper handout, or by any other written communication method. Records must be made available to State Pesticide Regulatory Official(s), and to EPA upon request. If this information is already being retained, duplicate records are not needed.
- Applications by property owners/operators on their own property are exempt from this notification and record keeping requirement.
- Applications to public land are exempt from this notification requirement.



Warning: Do not move treated plant materials or manure from animals who have grazed on treated plant materials to sites where manure may be collected or sensitive crops are grown.

For more information on how to manage clopyralid treated materials and to prevent clopyralid from contaminating compost please visit <https://www.epa.gov/pesticide-reevaluation/registration-review-pyridine-and-pyrimidine-herbicides>.

USE PRECAUTIONS

- **Use Restrictions in the State of New York:** This product may not be sold or used in Suffolk and Nassau counties in the state of New York and can be used in other counties only for postemergence application with a maximum application rate of 15.9 fluid ounces (0.062 pound of clopyralid) per acre per year (with no other product containing clopyralid being applied pre-plant or post-plant within the same year).
- When applying this product, do not contaminate water used for domestic purposes or irrigation ditches.
- Do NOT apply this product through any type of irrigation system (i.e., chemigation).
- Do NOT apply this product to wheat, barley, or oat that has been underseeded with a legume.
- Do NOT allow spray drift to come in contact with or apply this product directly to susceptible broadleaf plants or broadleaf crops, including but not limited to the following: alfalfa, beans, canola, cotton, flowers, grapes, lentils, lettuce, mustard, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tobacco, tomatoes, vegetables, or other desirable broadleaf crops or ornamental plants or soil where sensitive crops will be planted the same season (refer to the Crop Rotation Intervals section for more information).
- Avoid application where proximity of susceptible crops or other desirable plants is likely to result in exposure to spray or spray drift.
- Sensitive broadleaf plants may be injured if livestock are transferred within less than 7 days of grazing untreated pasture or eating untreated hay because of potential clopyralid in their urine and manure. Transfer livestock from treated grazing areas (or feeding of treated hay) to sensitive broadleaf crop areas only after 7 days of grazing on an untreated pasture (or feeding of treated hay).
- Do NOT apply more than 0.25 lb ae/A of fluroxypyr containing products per growing season.
- Do NOT apply more than 0.12 lb/A of clopyralid containing products per growing season.
- Do NOT apply more than 0.75 lb ae/A of MCPA containing products per growing season.

Residues in Plants and Manure

Fields that may be planted with susceptible plants the following season must not be composted or mulched with plant residues from, or manure of animals grazed on, treated areas (e.g., hay or straw from treated areas, or manure or bedding straw from animals that have grazed or consumed forage from treated areas).

Herbicidal decomposition can be enhanced by burning or evenly incorporating plant residues. Clopyralid decomposition in crop residues or manure occurs more rapidly in warm, moist soil conditions and may be enhanced with supplemental irrigation.

Avoid Movement of Treated Soil

While serious injury is unlikely, wind-blown dust containing clopyralid may produce visible symptoms such as epinasty (downward curving or twisting of leaf petioles or stems) when deposited on susceptible plants. Avoiding treatment of powdery dry or light sandy soils until soil has been settled by rainfall or irrigation or by irrigating shortly after application will help to minimize the potential movement of clopyralid on wind-blown dust.

SPRAY DRIFT MANAGEMENT

Spray drift, even very small quantities of the spray that may not be visible, may severely injure susceptible crops whether dormant or actively growing. When applying this product, use low-pressure equipment capable of producing sprays of uniform droplet size with a minimum of fine spray droplets. Under adverse weather conditions, fine spray droplets that do not settle rapidly onto target vegetation may be carried a considerable distance from the treatment area. A drift control or spray thickening agent may be used with

this product to improve spray deposition and minimize the potential for spray drift. If used, follow all use recommendations and precautions on the product label.

Ground Applications

To minimize spray drift, apply this product in a total spray volume of 8 or more gallons per acre using spray equipment designed to produce large-droplet, low pressure sprays. Refer to the spray equipment manufacturer's recommendations for detailed information on nozzle types, arrangement, spacing and operating height and pressure. Only apply spot treatments with a calibrated boom to prevent over application. Operate equipment at spray pressures no greater than is necessary to produce a uniform spray pattern. Operate the spray boom no higher than is necessary to produce a uniformly overlapping pattern between spray nozzles. Do not apply with hollow cone-type insecticide nozzles or other nozzles that produce a fine-droplet spray.

Aerial Application

To minimize spray drift, apply this product in a total spray volume of 3 or more gallons per acre. Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given speed. Avoid application below 2 mph due to variable wind direction and high potential for temperature inversion. Spray drift from aerial application can be minimized by applying a coarse spray at spray boom pressure no greater than 30 psi; by using straight-stream nozzles directed straight back; Spray pattern and droplet size distribution can be evaluated by applying sprays containing a water-soluble dye marker or appropriate drift control agents over a paper tape (adding machine tape). Mechanical flagging devices may also be used.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to select a nozzle and pressure combination that delivers a medium or coarser droplet size in accordance with the most current version of the American Society of Agricultural & Biological Engineers Standard 641 (ASABE S641).
- Do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed-wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters..
- If the wind speed is 10 miles per hour or less, applicators must use $\frac{1}{2}$ swath displacement upwind at the downwind edge of the field. When the wind speed is between 11-15 miles per hour, applicators must use $\frac{3}{4}$ swath displacement upwind at the downwind edge of the field.
- Do not apply during temperature inversions.

Ground Boom Applications

- Apply with the release height no more than 3 feet above the ground or crop canopy unless making pasture, or rangeland application, in which case applicators may apply with a nozzle height no more than 4 feet above the ground.
- Applicators are required to select a nozzle and pressure combination that delivers a medium or coarser droplet size in accordance with the most current version of the American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- Do not apply when wind speeds exceed 15 mph 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 in accordance with the most current version of the American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572) for all applications.
- Do not apply when wind speeds exceed 15 mph 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.

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, please note that TruSlate Pro Herbicide contains a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to TruSlate Pro Herbicide and other Group 4 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 TruSlate Pro Herbicide or other Group 4 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 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.
- 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.

INFORMATION

NOTE: Use directions in Nufarm, Inc. supplemental labeling for this product may supersede directions or limitations in this labeling.

Apply this product for postemergence control of annual and perennial broadleaf weeds in wheat, barley and oats not underseeded with a legume.

Crop Rotation Intervals

Because residues of this product in treated plant tissues (including the treated crop or weeds) can impact crops planted after treatment, be sure to refer to the following crop rotation tables before rotating to susceptible crops.

Note: The intervals listed below are based on average annual precipitation *regardless of irrigation practices*. Rotational crops should be grown safely if the recommended crop rotation intervals listed below are observed. It is important to realize, however, that accurate prediction of rotated crop safety is not possible because this product dissipates in the soil by microbial activity and the rate of microbial activity is dependent on several interrelating factors including soil moisture, temperature and organic matter. Prior to planting sensitive crops in areas of low organic matter (e.g., less than 2.0%) and less than 15 inches average annual precipitation, the potential for crop injury may be reduced by removing or burning treated plant residues, supplemental fall irrigation and deep moldboard plowing.

ALL STATES EXCEPT CALIFORNIA, IDAHO, NEVADA, OREGON, UTAH AND WASHINGTON		
Rotation Crops ¹	Rotation Interval	
	More than 15 inches of rainfall during the 12 months following application AND Soils greater than 2% organic matter	Less than 15 inches of rainfall during the 12 months following application AND Soils less than 2% organic matter
Broadleaf Crops grown for seed (excluding <i>Brassica</i> species), Lentils, Peas, Potatoes (including potatoes grown for seed)	18 months ²	18 months ^{2,3}
Dry beans, Soybeans, Sunflower	10.5 months	18 months ²
Alfalfa, Asparagus, Grain Sorghum, Mint, Onions, Safflower, Strawberries	10.5 months	10.5 months
Canola (Rapeseed), Cole Crops (<i>Brassica</i> species), Flax, Garden Beet, Popcorn, Spinach, Sugarbeet, Turnip	120 days	120 days
Barley, Grasses, Field Corn, Oats, Sweet Corn, Wheat	No Interval Required	No Interval Required

- 1) *Following application of this product, do not rotate to unlisted crops with less than a 10.5 month rotation interval.* Prior to planting any broadleaf crops that are not listed above, perform a field bioassay (refer to the bioassay instructions below).
- 2) Due to the potential for crop injury, 18 month rotation intervals are recommended. *Note: For these crops, a minimum 10.5 month rotation interval must be observed to avoid illegal residues in the harvested crop.*
- 3) Because these are sensitive crops, a field bioassay is recommended prior to planting (refer to the bioassay instructions below).

CALIFORNIA, IDAHO, NEVADA, OREGON, UTAH AND WASHINGTON ONLY		
Rotation Crops ¹	Rotation Interval	
	More than 18 inches of rainfall during the 12 months following application NOT including irrigation	Less than 18 inches of rainfall during the 12 months following application NOT including irrigation
Broadleaf Crops grown for seed (excluding <i>Brassica</i> species), Carrots ² , Celery ² , Cotton ² , Lentils, Lettuce ² , Melons ² , Peas, Potatoes (including potatoes grown for seed), Safflower, Tomatoes ²	18 months ²	18 months ^{2,3}
Alfalfa, Dry Beans, Soybean, Sunflower	12 months	18 months ^{2,3}
Asparagus, Grain Sorghum, Mint, Onions, Strawberries	12 months	12 months
Canola (Rapeseed), Cole Crops (including <i>Brassica</i> spp. grown for seed), Flax, Garden Beet, Popcorn, Spinach, Sugarbeet, Turnip	120 days	120 days
Barley, Grasses, Field Corn, Oats, Sweet Corn, Wheat	No Interval Required	No Interval Required

- 1) *Following application of this product, do not rotate to unlisted crops with less than a 12 month rotation interval.* Prior to planting any broadleaf crops that are not listed above, perform a field bioassay (refer to the bioassay instructions below).
- 2) Due to the potential for crop injury, 18-month rotation intervals are recommended. *Note: For these crops, a minimum 12 month rotation interval must be observed to avoid illegal residues in the harvested crop.*
- 3) Crop injury and / or yield loss may occur up to 4 years after application. Because these are sensitive crops, a field bioassay is recommended prior to planting (refer to the bioassay instructions below).

Instructions for Field Bioassays

In fields previously treated with this product, crop sensitivity can be confirmed by conducting a field bioassay using the following instructions:

- 1) Any time between harvest of the treated crop and the planting of the intended rotational crop, plant short test rows of the intended rotational crop so as to sample variability in field conditions such as soil texture, soil organic matter, soil pH, and / or drainage.
- 2) Observe the test crop for herbicidal activity, such as poor stand (effect on seed germination), chlorosis (yellowing), necrosis (dead leaves or shoots) or stunting (reduced growth).

The test crop can be grown only if herbicidal symptoms are not observed.

If there is apparent herbicidal activity, do not plant the field to the test rotational crop. Only a labeled crop for which the rotational interval has clearly been met can be planted.

Sprayer Clean-Out

To avoid injury to desirable plants, before applying other chemicals with the equipment used to apply this product, all equipment must be thoroughly cleaned.

1. After applying this product, flush and rinse application equipment with water thoroughly at least 3 times. Rinse water may be disposed of by application to treatment areas or in non-cropland areas away from water supplies.
2. For the second rinse, add 1 quart of household ammonia for every 25 gallons of water. Circulate the solution through the entire system so that all internal surfaces are exposed to the ammonia water solution (15 to 20 minutes). Let the solution stand in the equipment for several hours (preferably overnight).

3. Flush the solution out of the spray tank through the boom.
4. Rinse the system twice with clean water, recirculating and draining each time.
5. Remove and clean separately all nozzles and screens.

MIXING INSTRUCTIONS

Note: When adding ingredients to the mixture, allow time for each ingredient to be thoroughly mixed before adding the next. Be sure to agitate spray mixture before use if allowed to stand after mixing.

1. Fill spray tank with water equal to 1/2 to 3/4 of the required spray volume and start agitation.
2. Add the recommended amount of this product.
3. Add any surfactants, adjuvants or drift control agents according to the respective manufacturer's instructions.
4. Agitate during final filling of the spray tank with water and maintain sufficient agitation during application to ensure uniformity of the spray mixture.

Tank Mixing

This product may be tank mixed with labeled rates of other products provided the tank mix partner products are labeled for the timing and method of application for the use site to be treated and tank mixing with products containing fluroxypyr or clopyralid is not prohibited by the label(s) of the tank mix partner products.

Tank Mixing Precautions

- Be sure to follow all applicable use directions, precautions, and limitations on the respective product labels.
- *Do not exceed recommended application rates.* Do not tank mix with other pesticide products that contain the same active ingredient as this product unless the label of either mix partner specifies the maximum dosages that may be applied.
- For products packaged in water soluble packaging, do not tank mix with products containing boron or mix in equipment previously used to apply a product mixture containing boron unless the tank and spray has been adequately cleaned (refer to the Sprayer Clean-Out section above).
- Prior to final use, perform a (jar) test to verify the compatibility of tank mix partner products (see instructions below).

Tank Mix Compatibility Testing (Jar Test)

The following jar test is recommended prior to tank mixing to ensure the compatibility of this product with other tank mix partner products:

- 1) Mix the desired tank mix ingredients in their relative proportions in a clear glass quart jar with lid.
- 2) Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour.
- 3) If the mixture balls-up, forms flakes, sludges, gels, oily films or layers, or other precipitates, it is not compatible and the tank mix combinations must not be used.

Tank Mixing Instructions

- 1) Fill spray tank with water to 1/2 to 3/4 of the required spray volume.
- 2) Start agitation and maintain agitation continuously during mixing, final filling and while applying.
- 3) Add different formulation types in the following order being sure to allow sufficient time for each product to completely mix and dispersion after addition (Note: This product is an emulsifiable concentrate (EC) formulation):
 - a) Dry flowables
 - b) Wettable powders
 - c) Aqueous suspensions
 - d) Flowables or liquids

- 4) Maintain agitation and fill spray tank to 3/4 of total spray volume and then add this product and other emulsifiable concentrates and any solutions.
- 5) Finish filling the spray tank.
- 6) While spraying, the tank mix ingredients may settle out of suspension if agitation is stopped before the spray tank is empty. The settled materials must be resuspended before any spraying is resumed and a sparger agitator works particularly well in this situation. Settled material may be more difficult to resuspend than when originally mixed.

APPLICATION INFORMATION

Broadleaf Weeds Controlled or Suppressed		
Alfalfa, volunteer (from seed) Alfalfa, volunteer (perennial plants) [†] Artichoke, Jerusalem ¹ Beans, volunteer Bedstraw (cleavers) ² Bindweed, field [†] Buckwheat, wild ³ Buffalobur Canola, volunteer Chamomile, false (scentless) Chamomile, mayweed (dogfennel) Chickweed Clover, black medic Clover, hop Clover, red Clover, sweet Clover, white Cocklebur, common ¹ Cornflower (bachelor button) Dandelion Dock, curly Flax, volunteer Flixweed Hawksbeard, narrowleaf Hawkweed, orange	Hawkweed, yellow Hemp dogbane Horseweed (maretail), field Horsetail [†] Jimsonweed ¹ Knotweed [†] Kochia ⁴ Ladysthumb Lambsquarters, common Lentils, volunteer Lettuce, prickly Mallow, common Mallow, Venice Marshelder ¹ Morning glory Mustard, tumble (Jim Hill) Mustard, wild Nightshade, black ⁵ Nightshade, cutleaf ⁵ Nightshade, Eastern black ⁵ Nightshade, hairy ⁵ Peas, volunteer Pennycress, field Pigweed, redroot Pineappleweed Potato, volunteer [†]	Puncturevine Purslane, common Ragweed, common ¹ Ragweed, giant ¹ Salsify, meadow (goatsbeard) Shepherdspurse Smartweed, green ⁵ Smartweed, Pennsylvania ⁵ Sowthistle, annual Sowthistle, perennial ⁶ [†] Starthistle, yellow Sunflower ¹ Tansymustard, pinnate Teasel, common Thistle, bull Thistle, Canada ⁶ Thistle, musk Thistle, Russian Velvetleaf Vetch Wormwood, biennial

[†] **Indicates Suppression Only** - Suppression is a reduction in weed competition (reduction is population or vigor) as compared to untreated areas. The degree of weed control and duration of effect may vary with weed size, density, application rate, coverage, and growing conditions before, during and after treatment.

- 1) Apply up to 5 leaf stage of growth for best results.
- 2) Apply in the 1 to 4 whorl stage of growth for best results.
- 3) Apply in the 1 to 4 leaf stage of growth (before vining) for best results.
- 4) Includes herbicide resistant or tolerant biotypes. Apply when weeds are 1 to 4 inches tall for best results.
- 5) Apply at the 2 to 4 leaf stage of growth for best control or suppression.
- 6) Apply from rosette to bud (pre-flower) stage of growth for best control or suppression.

Perennial Weeds

This product controls initial top growth and inhibits regrowth during the season it is applied. It may also reduce shoot regrowth in the season following application when used at the higher rates listed in this

label; however, due to variability of shoot regrowth from perennial root systems, plant response may be inconsistent.

Management of Kochia Biotypes

Research indicates many biotypes of kochia may occur within a single field and while kochia biotypes can vary in their susceptibility to this product, in general all biotypes less than 4 inches in height will be suppressed or controlled with 1 to 1.5 pints per acre of this product. A shift to more tolerant biotypes within a field may occur if this product is applied at rates lower than recommended.

Best Practices for Resistance Management

Extensive populations of dicamba-tolerant kochia have been identified in certain small grain and corn production regions (such as Chouteau, Fergus, Liberty, Toole, and Treasure counties in the state of Montana). For optimal control of dicamba-tolerant kochia in these counties, apply this product at the rate of 1.5 to 2 pints per acre. For improved control of dicamba-tolerant kochia, this product may be tank mixed with a reduced rate of Comet Herbicide (refer to the section "For Improved Control of Dicamba-Tolerant Kochia" on this label).

To minimize selection pressure and preserve the utility of this product for control of dicamba-tolerant kochia biotypes, rotate this product with products that do not contain dicamba.

Application Timing

Only weeds that have emerged at the time of application will be controlled so be sure to apply to actively growing weeds. Weed control may be reduced and the risk of crop injury (at all stages of growth) may increase if extreme growing conditions (such as drought or near-freezing temperatures) occur prior to, at, or following application. Control may be decreased if target plant foliage is wet at the time application. Applications of this product are rainfast within 6 hours after application.

Effect of Temperature on Herbicidal Activity

The herbicidal activity of this product is influenced by weather conditions optimum herbicidal activity between 55°F to 75°F and reduced efficacy occurring when temperatures are below 45°F or above 85°F. Weed control and crop tolerance may be reduced if frost occurs before or shortly after application (3 days).

Spray Coverage

Use sufficient spray volume to provide thorough coverage and a uniform spray pattern. For best results (and to minimize spray drift), apply in a spray volume of 10 gallons or more per acre and do not broadcast apply in less than 3 gallons of total spray volume per acre. Increase spray volume as weed density and vegetative canopy increase in order to obtain equivalent weed control.

Use only nozzle types and spray equipment designed for herbicide application. To reduce spray drift, be sure to follow the precautions under the heading Avoiding Injury to Non-Target Plants.

Adjuvants

To achieve satisfactory weed control, this product does not usually require the use of an adjuvant. An adjuvant may, however, optimize herbicidal activity when applications are made at lower use rates, lower carrier volumes, under conditions of cool temperature, low relative humidity or drought, or to small, heavily pubescent kochia.

Use with Sprayable Liquid Fertilizer Solutions

This product is compatible with most non-pressurized liquid fertilizer solutions. However, prior to mixing, perform a compatibility test (jar test), especially when a new batch of fertilizer or pesticides is used, when the water source changes, or when tank mixture ingredients or concentrations are changed. Refer to the Tank Mix Compatibility Testing section above for specific instructions.

When mixing with a sprayable liquid fertilizer, using a compatibility aid such as Unite or Compex may help obtain and maintain a uniform spray solution during mixing and application. For best results, do not exceed 50% liquid fertilizer of the total spray volume. Premix this product with water and add to the liquid fertilizer/water mixture while agitating contents of the spray tank. To compare with jar test agitation, the agitation in the spray tank must be vigorous. Apply the spray the same day it is prepared being sure to maintain continuous agitation.

NOTE: Leaf-burn or yellowing of crop foliage may occur when foliar-applied liquid fertilizers are used as a carrier.

WHEAT (INCLUDING DURUM), BARLEY, OATS

Application Restrictions

- Do NOT apply if the cereal crop is underseeded with a legume.
- Do not allow livestock to graze treated areas or harvest treated forage within 7 days of application.
- Do NOT apply more than 0.25 lb ae/A of fluroxypyr containing products per growing season.
- Do NOT apply more than 0.12 lb/A of clopyralid containing products per growing season.
- Do NOT apply more than 0.75 lb ae/A of MCPA containing products per growing season.
- **Preharvest Interval:** Do not apply closer than 14 days before cutting of hay or 40 days before harvesting of grain and straw.

Application Timing

To control listed broadleaf weeds, apply as a postemergence broadcast treatment to actively growing wheat, barley or oats from the 3 leaf stage up to and including flag leaf emergence (Zadoks scale 39). Because only weeds that have emerged at the time application will be controlled, be sure to apply when weeds are actively growing but before weeds are 4 inches tall or vining. Consult the Broadleaf Weeds Controlled or Suppressed section for additional information on weed sizes.

For perennial weeds (such as Canada thistle), apply when the majority of the basal leaves have emerged from the soil up to bud stage to obtain season-long control.

To suppress volunteer potatoes, apply before potato plants are 4 inches tall.

Broadcast Application Rates

For young, succulent growth of susceptible weed species less than 4 inches tall, apply 1 to 1.5 pints of this product per acre. Best control of kochia is achieved when kochia is at least 1 inch tall and not taller than 4 inches. For dicamba resistant kochia and volunteer potatoes use 1.5 to 2 pints per acre. Tank mixes with additional herbicides may be necessary when controlling less sensitive species, some perennials, and under conditions where control is more difficult (plant stress conditions such as drought or extreme temperatures, dense weed stands and/or larger weeds).

For Improved Control of Dicamba-Tolerant Kochia

Mix 2.7 fluid ounces of Comet Herbicide per acre with the recommended amount of this product.

Tank Mixtures for Wheat (including Durum), Barley, Oats

This product may be applied in tank mix combination with labeled rates of other products registered for postemergence application in wheat, barley, and oats. Be sure that you do not exceed recommended application rates and use only in accordance with the most restrictive precautions and limitations on the respective product labels when tank mixing. Refer to the Tank Mixing Precautions section under Mixing Instructions for additional information.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store above 10°F or warm and agitate before use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

[Nonrefillable Containers 5 Gallons or Less:] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining

contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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 the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

[Nonrefillable Containers larger than 5 Gallons:] Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure 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 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

[Refillable container larger than 5 gallons:] Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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