



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 21, 2022

Alexis Bromley
Regulatory Manager
Nufarm Limited
C/O Nufarm Americas Inc.
4020 Aerial Center Parkway
Morrisville, NC 27560

Subject: Registration Review Label Amendments Incorporating Mitigation Measures from the Interim Decision for Bromoxynil and the National Marine Fisheries Services' (NMFS) Biological Opinion on the Effects of Bromoxynil on Pacific Salmonids
Product Name: MAESTRO 4EC SELECTIVE HERBICIDE
EPA Registration Number: 71368-78
Application Dates: 3/6/2020 and 11/29/2022
Decision Numbers: 560522 and 588930

Dear Alexis Bromley:

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 Bromoxynil Interim Decision. The Agency has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

This letter also addresses the label mitigation resulting from the NMFS' Biological Opinion on the effects of Bromoxynil on Pacific salmonids. The Agency has concluded that your submission is also 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.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. 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 Quinn Gavin at gavin.quinn@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

Maestro® 4EC

Selective Herbicide

FOR THE CONTROL OF CERTAIN BROADLEAF WEEDS IN CORN (FIELD AND POP), SORGHUM (GRAIN AND FORAGE), WHEAT, BARLEY, OATS, RYE AND TRITICALE, SEEDLING ALFALFA, FLAX, GARLIC, MINT, ONIONS (DRY BULB), GRASSES GROWN FOR SOD OR SEED PRODUCTION, NON-RESIDENTIAL TURFGRASS, AND NON-CROPLAND/INDUSTRIAL SITES.

ACTIVE INGREDIENTS:	
Octanoic acid ester of bromoxynil* (3,5-dibromo-4-hydroxybenzotrile).....	28.00%
Heptanoic acid ester of bromoxynil (3,5-dibromo-4-hydroxybenzotrile).....	27.00%
OTHER INGREDIENTS:	<u>45.00%</u>
TOTAL	100.00%

Contains xylene range/petroleum distillates.

*Equivalent to not less than 4.0 pounds of bromoxynil (ae) per gallon.

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. 71368-78
EPA EST. NO.

Manufactured For
NUFARM, INC.
11901 S. AUSTIN AVE.
ALSIP, IL 60803



NET CONTENTS: GAL. (L)

[Designation as "NONREFILLABLE" or "REFILLABLE" for containers > 5 GAL]

071368-00078.20220128.MASTER

ACCEPTED

Dec 21, 2022

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 71368-78

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING / AVISO**

Harmful if swallowed. Causes skin irritation and moderate eye irritation. Do not get on skin or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further 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 medical emergency information.	
NOTE TO PHYSICIAN	
Contains petroleum distillate - vomiting may cause aspiration pneumonia.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils or Viton® ≥ 14 mils for cleaning equipment and mixing/loading
- Chemical-resistant apron when cleaning equipment and mixing/loading
- Shoes plus socks
- Protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS: 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 requirements may be reduced or modified as specified in the WPS.

Handlers must use closed mixing loading systems during mixing/loading liquids for aerial applications to fallow land and high-acreage field crops. If you will handle a total of 30 gallons or more of this product per day, you must use a mechanical transfer system for all mixing and loading operations. If this product is packaged in a 30 gallon drum, you must use a mechanical transfer system which terminates in a drip-free hard coupling which may be used only with a spray or mix tank which has been fitted with a compatible coupling. If you do not presently own or have access to a mechanical transfer system with this type of coupling, contact your dealer for information on how to obtain such a system or to modify your present system. When using a mechanical transfer system, do not remove or disconnect the pump or probe from the container until the container has been emptied and rinsed. The pump or probe system must be used to rinse the empty container and to transfer the rinsate directly to the mixing or spray tank.

Application from a tractor or aerial application with a completely enclosed cab is required whenever this product is applied to 360 or more acres in a day. To avoid contamination, coveralls and gloves worn when handling the concentrate must be removed prior to entering an enclosed cab or cockpit. When applying from a tractor with an enclosed cab, clean coveralls and clean nitrile gloves must be kept inside the cab, and must be worn when exiting the cab to perform in-field maintenance or repair.

To reduce exposure to residues, wash the spray rig, tractor, and all other equipment used to handle or apply this product with water daily or before using the equipment for any other purpose.

APPLICATION BY CHEMIGATION must be done by fixed pipe, overhead sprinkler systems or hand moved pipe. If hand moved pipe is used for chemigation, the pipe must not be handled in any way until 24 hours after chemigation has been completed and residues have been flushed from the system. When applying by chemigation, no person may enter the application site unless in an enclosed vehicle.

AERIAL APPLICATION: Aerial application is prohibited within 300 feet of residential areas (e.g., homes, schools, playgrounds, shopping areas, hospitals, etc.)

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
- 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.

ENVIRONMENTAL HAZARDS

NON-TARGET ORGANISM ADVISORY STATEMENT: 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.

This pesticide is toxic to wildlife and fish. Use with care when applying to areas frequented by wildlife or adjacent to any body of water. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury or harm to plants and animals, call (877) 325-1840.

PHYSICAL AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Read entire label before using this product.

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.

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al, v. EPA C01-0143C (W.D. WA). For further information, please refer to www.epa.gov/espp.

Do not apply this product with backpack or hand-held application equipment.

Apply to non-residential turf only. Do not apply to residential, playground, or schoolyard turf.

Aerial application to fallow land is restricted within 25 feet of residential areas (e.g., homes, schools, playgrounds, shopping areas, hospitals, etc.).

Endangered Species Protection Requirements: It is a Federal offense to use any pesticide in a manner that results in an unauthorized "take" (e.g., kill or otherwise harm) of an endangered species and certain threatened species under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product.

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 expectations 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 2 days for onion, corn, alfalfa, grass, mint and garlic. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours for sod. For uses on turf grown for transplanting (e.g. on sod farms), notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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 over long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate, Nitrile Rubber >14 mils, Neoprene Rubber ≥ 14mils or Viton® ≥ 14 mils, shoes plus socks and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to the use of this product on non-residential turfgrass, and non-cropland and industrial sites that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies

when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

PRODUCT INFORMATION

This product is formulated as an emulsifiable concentrate of octanoic acid and heptanoic acid esters of bromoxynil containing the equivalent of 4 pounds of bromoxynil per gallon.

RATE TABLE CONVERSION CHART		
PINTS OF PRODUCT	GAL PER ACRE	BROMOXYNIL LB AI PER ACRE
0.38	0.05	0.19
0.50	0.06	0.25
0.75	0.09	0.38
1.00	0.13	0.50
1.50	0.19	0.75

This product is a selective postemergence herbicide for control of important broadleaf weeds infesting corn (field and pop), sorghum (grain and forage), wheat, barley, oats, rye, triticale, alfalfa (seedling), flax, onions, garlic, mint (established peppermint and spearmint), grasses grown for sod or seed production, non-residential turfgrass, and non-cropland and industrial sites. Optimum weed control is obtained when this product is applied to actively growing weed seedlings. This product is primarily a contact herbicide, therefore thorough coverage of the weed seedlings is essential for optimum control.

This product has little residual activity. Therefore subsequent flushes of weeds will not be controlled by the initial treatment. Generally crops that form a good canopy will help shade subsequent weed flushes. However, certain crops or short-straw varieties, for example Yaccora Rojo wheat, may not develop the crop canopy fast enough to shade the subsequent flushes of weeds.

Occasional transitory leaf burn may occur. The temporary leaf burn is similar to that seen with liquid fertilizer. Because the activity of this product is not systemic, recovery of the crop is generally rapid with no lasting effect. Frequency and amount of leaf burn may be greater when crops are stressed by abrasive winds, cool to cold evening temperatures or mechanical injury, such as that caused by hail, sleet or insect feeding. To reduce the potential for temporary leaf burn, applications should be made to dry foliage in the specified spray volumes per acre when weather conditions are not extreme.

MIXING, LOADING AND HANDLING INSTRUCTIONS

2.5 Gallon Containers

Special care must be taken in mixing and loading this product. Hands should be placed on the container in such a way as to avoid possible drip or splash.

30 Gallon and Bulk Containers

If you will handle a total of 30 gallons or more of this product per day, you must use a mechanical transfer system for all mixing and loading operations. If this product is packaged in a 30 gallon drum, you must use a mechanical transfer system which terminates in a drip-free hard coupling which may be used only with a spray or mix tank which has been fitted with a compatible coupling. If you do not presently own or have access to a mechanical transfer system with this type of coupling, contact your dealer for information on how to obtain such a system or to modify your present system. When using a mechanical transfer system, do not remove or disconnect the pump or probe from the container until the container has been emptied and rinsed. The pump or probe system must be used to rinse the empty container and to transfer the rinsate directly to the mixing or spray tank.

THIS PRODUCT ALONE: Fill the spray tank 1/2 to 3/4 full with clean water. Begin agitation and add the specified amount of this product. Add water to the spray tank to the desired level. Maintain sufficient agitation to ensure a uniform spray mixture during application.

TANK MIXTURES: This product can be tank mixed with other pesticide products provided that these other products are registered for use on the crop/use site to be treated. The tank mix must be used in accordance with the more restrictive pesticide label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Refer to the specific crop section for rate recommendations and other restrictions. To apply this product in mixture with another product, fill the spray tank 1/2 to 3/4 full with clean water and begin agitation. If tank mixing with wettable powder, soluble powder, flowable or dry flowable products, add the powder or flowable product first. After the other herbicide is thoroughly mixed with water add the specified amount of this product and add water to the spray tank to the desired level. If tank mixing with other product types, add this product first before adding the other product. Always mix one product in water thoroughly before adding another product or compatibility problems may occur. Never mix two products together without first mixing in water.

Maintain sufficient agitation while mixing and during application to ensure a uniform spray mixture. If spray mixture is allowed to remain without agitation for short periods of time, be sure to agitate until uniformly mixed before application.

COMPATIBILITY OF OTHER PESTICIDES WITH THIS PRODUCT

The following foliar insecticides are compatible with this product as tank mixtures.

INSECTICIDE COMMON NAME	TRADE NAME	FORMULATION
Acephate	Orthene®	Soluble Powder
Amitraz	Ovasyn®	Emulsifiable Concentrate
Azinphos-methyl	Guthion®	Liquid
Carbaryl	Sevin®	Sprayable wettable powder or Flowable
Carbofuran	Furadan®	Flowable
Chlorpyrifos	Lorsban®	Emulsifiable Concentrate
Cyfluthrin	Baythroid®	Emulsifiable Concentrate
Deltamethrin	Decis®	Emulsifiable Concentrate
Diazinon	Various	Emulsifiable Concentrate
Dicrotophos	Bidrin®	Emulsifiable Concentrate
Dimethoate	Various	Emulsifiable Concentrate
Esfenvalerate	Asana XL®	Emulsifiable Concentrate
Fenvalerate	Pydrin®	Emulsifiable Concentrate
Imidacloprid	Nuprid® or Provado®	Flowable
Lambda-Cyhalothrin	Lambda-Cyhalothrin 1 EC or Karate®	Emulsifiable Concentrate
Malathion	Various	Emulsifiable Concentrate
Methomyl	Lannate®	Liquid
Methyl Parathion	Methyl Parathion®	Emulsifiable Concentrate
Methyl Parathion	Penncap-M®	Flowable
Oxamyl	Vydate®	Liquid
Oxydemeton-methyl	Metasystox-R®	Sprayable Concentrate
Permethrin	Pounce®	Emulsifiable Concentrate
Thiodicarb	Larvin®	Flowable
Trichlorfon	Dylox®	Soluble Powder
Zeta-Cypermethrin	Fury®	Emulsifiable Concentrate

HERBICIDE COMMON NAME	TRADE NAME	FORMULATION
MSMA	MSMA®	
Prometryn	Caparol®	Liquid
Pyriithiobac-Sodium	Staple®	Soluble Powder

PLANT GROWTH REGULATORS COMMON NAME	TRADE NAME	FORMULATION
Mepiquat Chloride	Mepex® or Pix® or MEP®	Liquid Concentrate
Mepiquat Chloride + Bacillus cereus	Mep Plus®	Liquid Concentrate

If tank mixing with products other than those listed above or within each crop section, a compatibility test should be done to ensure satisfactory spray preparation. To test for compatibility, use a small container and mix a small amount (0.5 to 1 quart) of spray, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually will appear within 5 to 15 minutes after mixing. To ensure maximum crop safety and weed control, follow all cautions and limitations on this label and the labels of products used in the tank mixture with this product.

SPRAYABLE LIQUID FERTILIZERS AND SPRAY ADDITIVES

This product can be applied in combination with sprayable liquid fertilizer or spray additives such as surfactants or crop oil concentrate.

When tank mixing with liquid fertilizer always add the fertilizer to the spray tank first and agitate thoroughly before adding this product. Always predetermine the compatibility with liquid fertilizer by mixing small proportional quantities in advance. Agitation must be maintained during filling and application operations to ensure that this product is evenly mixed with the fertilizer. Leaf burn may occur when this product is applied with liquid fertilizer, but new leaves are not adversely affected.

CAUTION: Fertilizers and spray additives can increase foliage leaf burn when applied with this product. Do not apply fertilizers or spray additives with this product if leaf burn is a major concern due to environmental conditions, crop or variety sensitivity to this product. Do not apply this product in combination with fertilizers or spray additives if restricted under the individual crop use directions.

APPLICATION PROCEDURES

This product may be applied to registered use areas by ground, aerial and sprinkler irrigation equipment. The following table lists the allowable methods of application for each crop.

CROP	TYPE OF APPLICATION EQUIPMENT		
	GROUND	AERIAL	SPRINKLER IRRIGATION
Corn, (field and pop)	X	X	X
Sorghum (grain and forage), and Sudangrass	X	X	X
Wheat, Barley, Oats, Rye and Triticale	X	X	X
Alfalfa (seedling)	X	X	X
Flax	X	X	-
Garlic	X	X	X
Mint	X	-	X
Onions	X	X*	X
Grass grown for sod or seed production	X	X	X
Non-residential turfgrass	X	X	-
Non-cropland/Industrial sites	X	X	-

(X) indicates allowable application use

*Preemergence only

GROUND APPLICATION

Use a standard herbicide boom sprayer that provides uniform and accurate application. Sprayer should be equipped with screens no finer than 50 mesh in the nozzle tips and in-line strainers.

Select a spray volume and delivery system that will ensure thorough and uniform spray coverage. For optimum spray distribution and thorough coverage use of flat fan nozzles (maximum tip size 8008) with a spray pressure of 40-60 psi are recommended. Raindrop® nozzles and flood nozzles are not recommended as weed control with this product may be reduced.

In general, a spray volume of 10 to 20 gallons per acre (GPA) should be used for optimum spray coverage. A minimum of 5 GPA with a minimum spray pressure of 50 psi and a maximum ground speed of 10 mph may be used with higher speed, low volume ground application if ground terrain, crop and weed density allow effective spray distribution. Ground applications made when dry, dusty field conditions exist may provide reduced weed control in wheel track areas. Applications using less than 10 gallons per acre may result in reduced weed control.

When weed infestations are heavy, use of higher spray volumes and spray pressure will be helpful in obtaining uniform weed coverage. When corn or grain sorghum are large enough to interfere with the spray pattern, drop nozzles should be used to obtain uniform weed coverage. If you are unsure of the infestation level or size of crop, consult your local extension service.

Do not apply when winds are gusty or when other conditions favor poor spray coverage and/or off target spray movement.

AERIAL APPLICATION

Use orifice discs, cores and nozzle types and arrangements that will provide for optimum spray distribution and maximum coverage. In general a minimum spray volume of 5 GPA and a maximum pressure of 40 psi should be used.

SPRINKLER IRRIGATION APPLICATION

This product can be applied through sprinkler irrigation systems to wheat, barley, oats, rye and triticale, field corn, popcorn, and grain sorghum, mint, grasses grown for sod or seed production, garlic, and seedling alfalfa.

Apply this product through sprinkler systems including center pivot, lateral move, side (wheel) roll, solid set or hand move irrigation systems only. If hand moved pipe is used for chemigation, the pipe must not be handled in any way until 24 hours after chemigation has been completed and residues have been flushed from the system. When applying by chemigation, no person may enter the application site unless in an enclosed vehicle. Do not apply this product through any other type of irrigation system.

SPECIFIC REQUIREMENTS FOR APPLICATION THROUGH AUTOMATED SPRINKLER IRRIGATION SYSTEM.

1. The 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Agitation should be maintained in the pesticide supply tank when applying this product.
9. This product should be applied continuously for the duration of the water application with center pivot and continuous lateral move systems. Application of this product should be made during the last 30-45 minutes of the irrigation set with other overhead sprinkler systems.
10. For best performance, set the sprinkler system to deliver approximately 0.5 inch or less of water per acre.
11. Remove scale, pesticide residues and other foreign matter from the supply tank and entire injector system. Flush with clean water.
12. If this product is diluted in the supply tank, fill the tank with half of the water amount desired, add this product and then add remaining water amount with agitation. Always dilute with at least 4 parts water to 1 part of this product.
13. Start the sprinklers and then inject this product into the irrigation line. This product should be injected with a positive displacement pump into the main line at least 8 feet ahead of a right angle turn to insure adequate mixing. Refer to this product's label for detailed information on application rates and timings.

CHEMIGATION USER PRECAUTIONS

Application of more than 0.5 inch/acre of irrigation water may result in decreased product performance on certain soils.

Do not apply when conditions favor drift, when system connections or fittings leak, or when nozzles do not provide uniform distribution. Allow sufficient time for pesticide to be flushed through all the lines and nozzles before turning off irrigation water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. Do not connect an irrigation system used for pesticide application to a public water system.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

A person knowledgeable of the chemigation system and responsible for its operations, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CULTIVATION

When properly utilized, timely cultivations of row crops may aid overall weed control efforts as well as crop growth. However, cultivation BEFORE or DURING applications of this product may place target weeds under stress, resulting in erratic weed control. Whenever this product is being utilized in an overall weed control program, plan to postpone any anticipated cultivations until 5-7 days after application to ensure best performance.

SPRAY DRIFT MANAGEMENT

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 must use ½ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Select a nozzle and pressure that deliver fine or coarser droplets
- The distance of the outer most nozzles on the boom must not exceed 75% of the length of the wingspan or 90% of the rotor diameter
- Do not apply during temperature inversions.

Ground Applications

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- 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.
- 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.
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.

Weed Resistance Management

Best Practices

For resistance management, Maestro® 4EC is a Group 6 herbicide. Any weed population may contain or develop plants naturally resistant to Maestro® 4EC and other Group 6 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.

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

- Rotate the use of Maestro® 4EC or other Group 6 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.

- 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.
- Plant into weed-free fields and keep fields as weed-free as possible. Prevent an influx of weeds into the field by managing field borders.
- To the extent possible, use a diversified approach toward weed management. Whenever possible incorporate multiple weed-control practices such as mechanical cultivation, biological management practices, and crop rotation.
- Fields with difficult to control weeds should be rotated to crops that allow the use of herbicides with alternative mechanisms of action or different management practices.
- To the extent possible do not allow weed escapes to produce seeds, roots or tubers.

GENERAL WEED LIST

Postemergence application of this product will control the following weeds when sprayed in the seedling stage. Maximum weed stage of growth is listed under USES for each crop.

MOST SUSCEPTIBLE BROADLEAF WEED SPECIES

Annual Sowthistle	(<i>Sonchus oleraceus</i>)	Hairy Nightshade	(<i>Solanum sarachoides</i>)
Black Nightshade	(<i>Solanum nigrum</i>)	Jimsonweed	(<i>Datura stramonium</i>)
Blue Mustard	(<i>Chorispora tenella</i>)	Ladysthumb	(<i>Polygonum persicaria</i>)
Bristly starbur	(<i>Acanthospermum hispidum</i>)	Lanceleaf sage	(<i>Salvia reflexa</i>)
Coast Fiddleneck	(<i>Amsinckia intermedia</i>)	Pennsylvania Smartweed	(<i>Polygonum strumarium</i>)
Common Cocklebur	(<i>Xanthium strumarium</i>)	Pepperweed spp.	(annual) (<i>Lepidium spp.</i>)
Common Lambsquarters	(<i>Chenopodium album</i>)	Shepherdspurse	(<i>Capsella bursa-pastoris</i>)
Common Tarweed	(<i>Hemizonia con gesta</i>)	Silverleaf Nightshade	(<i>Solanum elaeagnifolium</i>)
Cutleaf Nightshade	(<i>Solanum triflorum</i>)	Tartary Buckwheat	(<i>Fagopyrum tataricum</i>)
Eastern Black Nightshade	(<i>Solanum ptycanthum</i>)	Sunflower ¹	(<i>Helianthus annus</i>)
Field Pennycress	(<i>Thlaspi arvense</i>)	Wild Buckwheat	(<i>Polygonum convolvulus</i>)
Green Smartweed	(<i>Polygonum scabrum</i>)		

¹For control of sunflower, delay application until first emerging sunflower seedlings are 4 inches in height.

SUSCEPTIBLE BROADLEAF WEED SPECIES

Buffalobur	(<i>Solanum rostratum</i>)	Pitted morningglory	(<i>Ipomoea lacunosa</i>)
Burcucumber	(<i>Sicyos angulatus</i>)	Prairie sunflower	(<i>Helianthus petiolaris</i>)
Cluster Flower	(<i>Flaveria trinervia</i>)	Prostrate Knotweed	(<i>Polygonum aviculare</i>)
Common Groundsel	(<i>Senecio vulgaris</i>)	Puncture Vine	(<i>Tribulus terrestris</i>)
Common ragweed	(<i>Ambrosia artemisiifolia</i>)	Redroot Pigweed ²	(<i>Amaranthus retroflexus</i>)
Corn Chamomile	(<i>Anthemis arvensis</i>)	Russian Thistle	(<i>Salsola kali</i>)
Corn Gromwell	(<i>Lithospermum arvense</i>)	Spiny Pigweed ²	(<i>Amaranthus spinosus</i>)
Cow Cockle	(<i>Saponaria vaccaria</i>)	Tall Morningglory	(<i>Ipomoea purpurea</i>)
			(<i>Amaranthus tuberculatus</i>)
Devils claw	(<i>Proboscidea louisianica</i>)	Tall Waterhemp ²	(<i>Sisymbrium altissimum</i>)
Giant Ragweed	(<i>Ambrosia trifida</i>)	Tumble mustard	(<i>Abution theophrasti</i>)
Hemp Sesbania	(<i>Sesbania exaltata</i>)	Velvetleaf	(<i>Hibiscus trionum</i>)
Hophornbean Copperleaf	(<i>Acalypha ostryaefolia</i>)	Venice Mallow	(<i>Sinapis arvensis</i>)
Ivyleaf morningglory	(<i>Ipomoea hederacea</i>)	Wild Mustard	(<i>Raphanus raphanistrum</i>)
Knawel	(<i>Scleranthus annus</i>)	Wild Radish	(<i>Croton capitatus</i>)
Kochia ²	(<i>Kochia scoparia</i>)	Woolly Croton	(<i>Centaurea solstitialis</i>)
London Rocket	(<i>Sisymbrium irio</i>)	Yellow Starthistle	
Mayweed	(<i>Anthemis cotula</i>)		

²For effective control, these weeds should not exceed the 4-leaf stage or 2 inches in height, whichever comes first.

WEED SUPPRESSION

This product suppresses the growth of Canada thistle (*Cirsium arvense*) by burning down top growth. Regrowth may occur.

CALIFORNIA REGISTRATIONS

Only the following uses referenced in this label are registered for use in California: seedling alfalfa, small grains (wheat, barley, oats, rye and triticale), flax, corn (post emergence application only), sorghum (post emergence application only), onions, garlic; chemigation in seedling alfalfa, small grains, onions and garlic; 2,4-D and MCPA tank mixtures in small grains; 2,4-D and atrazine tank mixtures in corn and sorghum; 2,4-DB and Pursuit tank mixtures in seedling alfalfa; grass for sod or seed production, non-residential turfgrass; and non-cropland and industrial sites. All applications must be made with a minimum spray volume of 10 GPA by ground or 5 GPA by air equipment.

SPECIFIC CROP DIRECTIONS

CEREAL GRAIN CROPS

Corn (Field and Pop), Sorghum (Grain and Forage), and Sudangrass Wheat, Barley, Oats, Rye and Triticale

FORAGE, FIBER AND SPECIALTY CROPS

Alfalfa (Seedling)
Flax
Garlic
Mint (Established Peppermint and Spearmint)
Onions

GRASS CROPS

Grass Grown for Sod or Seed Production
Non-Residential Turfgrass

NON-CROPLAND

Non-cropland and Industrial Sites

**CEREAL GRAIN CROPS
CORN (FIELD AND POP), SORGHUM (GRAIN AND FORAGE), AND SUDANGRASS
Maestro® 4EC Directions**

RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	CROP	WEEDS
Preemergence 1/2 to 3/4 pint/A	Apply to corn or sorghum before planting until just prior to crop emergence.	See CORN AND SORGHUM APPLICATION RATE TABLE for list of weeds and corresponding stages of growth that are controlled by this product at specified rates of application. For control of additional weeds not listed in the rate table, see the GENERAL WEED LIST.
1/2 pint/A	Apply to corn after emergence but prior to tassel emergence. Apply to sorghum and sudangrass between the 3-leaf stage but prior to the preboot stage (growth stage 4).	
3/4 pint/A	Apply to corn between the 4-leaf stage and prior to tassel emergence. Apply to sorghum and sudangrass between the 4-leaf stage but prior to preboot stage (growth stage 4).	
1 pint/A	Apply to field corn only between the 4-leaf stage but prior to tassel emergence. WARNING: DO NOT APPLY THE 1 PINT/A RATE OF THIS PRODUCT ALONE OR IN TANK-MIXTURES TO SORGHUM.	Use the 1 pint/A rate on corn to control susceptible weeds that are growing under less than optimum conditions and where this product + atrazine tank mixtures cannot be used.
Chemigation 1 pint/A only	Apply to corn after emergence but prior to tassel emergence. Apply to sorghum and sudangrass after emergence but prior to preboot stage (growth stage 4). Apply through automated sprinkler irrigation systems with a mechanical transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete details.	Apply to MOST SUSCEPTIBLE broadleaf weeds up to the 8-leaf stage or 4 inches in height or 2 inches in diameter, whichever comes first. Apply to SUSCEPTIBLE broadleaf weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first. Do not use chemigation for control of weeds that exceed 4 inches in height because control may be unacceptable.

CORN AND SORGHUM APPLICATION RATE TABLE

WEED SPECIES ¹		1/2 Pint/A		3/4 to 1 Pint/A ⁴	
		Max. Leaf Stage	Max. Weed Height (inches)	Max. Leaf Stage	Max. Weed Height (inches)
Black Nightshade	<i>(Solanum nigrum)</i>	6	6	6	6
Buffalobur	<i>(Solanum rostratum)</i>	4	2	6	4
Burcucumber	<i>(Sicyos angulatus)</i>	–	–	4	4
Common Cocklebur	<i>(Xanthium strumarium)</i>	6	8	8	10
Common Lambsquarters	<i>(Chenopodium album)</i>	-	6	-	8
Common Ragweed	<i>(Ambrosia artemisiifolia)</i>	6	4	8	6
Eastern Black Nightshade	<i>(Solanum ptycanthum)</i>	6	6	6	6
Giant Ragweed	<i>(Ambrosia trifida)</i>	6	4	6	6
Hemp Sesbania	<i>(Sesbania exaltata)</i>	–	–	4	4
Ivyleaf Morningglory	<i>(Ipomoea hederacea)</i>	3	3	4	4
Jimsonweed	<i>(Datura stramonium)</i>	4	4	6	6
Kochia	<i>(Kochia scoparia)</i>	–	–	–	2
Ladysthumb	<i>(Polygonum persicaria)</i>	4	4	6	6
Pennsylvania Smartweed	<i>(Polygonum pensylvanicum)</i>	4	4	6	6
Pitted Morningglory	<i>(Ipomoea lacunosa)</i>	3	3	4	4
Redroot Pigweed ³	<i>(Amaranthus retroflexus)</i>	–	–	4	2
Spiny Pigweed ³	<i>(Amaranthus spinosus)</i>	–	–	4	2
Sunflower	<i>(Helianthus annus)</i>	4	6	6	8
Tall Morningglory	<i>(Ipomoea purpurea)</i>	3	3	4	4
Tall Waterhemp ³	<i>(Amaranthus tube rculatus)</i>	–	–	4	2
Velvetleaf	<i>(Abution theophrasti)</i>	4	3	6	5
Venice Mallow	<i>(Hibiscus trionum)</i>	–	–	4	2
Wild Buckwheat	<i>(Polygonum convolvulus)</i>	4	6	6	8
Wild Mustard	<i>(Sinapis arvensis)</i>	–	–	4	4
WEEDS SUPPRESSED²					
Canada Thistle	<i>(Cirsium arvense)</i>	Do Not Use		8 inch to bud stage	

¹ When determining leaf stage, count all leaves except cotyledonary leaves.

² This product suppresses the growth by burning down of top growth. Regrowth may occur.

³ Control of pigweeds in the high plains areas of Texas and Oklahoma may not be satisfactory with this product. Repeat applications may be necessary to achieve satisfactory control.

⁴ Do not apply this product at the 1 pint/A rate to sorghum.

TANK MIXTURE DIRECTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + atrazine	Preemergence 3/8 to 3/4 pint/A + 1/2 to 1-1/5 lb ai/A	Apply to corn or sorghum before planting until just prior to crop emergence.	See CORN AND SORGHUM APPLICATION RATE TABLE MAESTRO® 4EC + ATRAZINE TANK MIXTURES for list of weeds and corresponding stages of growth that are controlled by this product + Atrazine tank mixtures at specified rates of application. For control of additional weeds not listed in the rate table see the GENERAL WEED LIST.
	3/8 to 1/2 pint/A + 1/2 to 1-1/5 lb ai/A	Apply to corn after emergence but before corn is 12 inches tall. Apply to sorghum between the 3-leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first.	
	3/4 pint/A + 1/2 to 1-1/5 lb ai/A	Apply to corn between the 4-leaf stage and before corn is 12 inches tall. Apply to sorghum between the 4-leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first.	

ATRAZINE TANK MIX RESTRICTIONS

Atrazine is a Restricted Use Herbicide due to groundwater concerns, users must read and follow all precautionary statements and instructions on the atrazine label in order to minimize the potential for atrazine to reach groundwater.

CORN (FIELD AND POP) AND SORGHUM (GRAIN AND FORAGE) (continued)
CORN AND SORGHUM APPLICATION RATE TABLE - MAESTRO® 4EC + ATRAZINE TANK MIXTURES

WEED SPECIES ¹		MAESTRO® 4EC AND ATRAZINE RATE (TANK MIX)											
		3/8 Pint/A + 1/2 lb ai/A		3/8 Pint/A + 1-1/5 lb ai/A		1/2 Pint/A + 1/2 lb ai/A		1/2 Pint/A + 1-1/5 lb ai/A		3/4 Pint/A 1/2 lb ai/A		3/4 Pint/A + 1-1/5 lb ai/A	
		MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT	MAX LEAF STAGE	MAX WEED HEIGHT
Black Nightshade	(<i>Solanum nigrum</i>)	4	4	4	4	6	6	6	6	6	6	6	6
Buffalobur	(<i>Solanum rostratum</i>)	4	4	4	4	6	4	6	4	6	4	6	4
Burcucumber	(<i>Sicyos angulatus</i>)	4	4	4	4	4	4	6	6	6	6	6	6
Common Cocklebur	(<i>Xanthium strumarium</i>)	6	8	8	10	8	10	10	12	10	12	10	12
Common Lambsquarters	(<i>Chenopodium album</i>)	-	6	-	10	-	10	-	12	-	12	-	12
Common Ragweed	(<i>Ambrosia artemisiifolia</i>)	6	4	8	6	8	6	8	6	8	6	8	6
Eastern Black Nightshade	(<i>Solanum ptycanthum</i>)	4	4	4	4	6	6	6	6	6	6	6	6
Entireleaf Morningglory	(<i>Ipomoea hederacea</i>)	-	-	4	3	4	3	4	3	4	3	4	3
Giant Ragweed	(<i>Ambrosia trifida</i>)	4	6	6	8	6	8	6	8	8	10	8	10
Hemp Sesbania Ivyleaf	(<i>Sesbania exaltata</i>)	4	4	4	4	4	4	4	4	4	4	4	4
Morningglory	(<i>Ipomoea hederacea</i>)	3	3	4	4	4	4	4	4	4	4	4	4
Jimsonweed	(<i>Datura stramonium</i>)	4	4	4	4	6	6	6	6	6	6	6	6
Kochia	(<i>Kochia scoparia</i>)	-	2	-	2	-	2	-	2	-	4	-	4
Ladysthumb	(<i>Polygonum persicaria</i>)	4	4	4	4	6	6	8	8	8	8	8	8
Marestail	(<i>Conyza canadensis</i>)	-	-	-	3	-	5	-	5	-	5	-	5
Palmleaf Morningglory	(<i>Ipomoea wrightii</i>)	-	-	4	3	4	3	4	3	4	3	4	3
Pennsylvania Smartweed	(<i>Polygonum strumarium</i>)	4	4	4	4	6	6	8	8	8	8	8	8
Pitted Morningglory	(<i>Ipomoea lacunosa</i>)	3	3	4	4	4	4	4	4	4	4	4	4
Pokeweed	(<i>Phytolacca americana</i>)	-	-	4	4	6	6	6	6	6	6	6	6
Prickly Sida	(<i>Sida spinosus</i>)	-	-	6	2	4	1	6	2	4	1	6	2
Puncturevine	(<i>Tribulus terrestris</i>)	-	-	-	-	-	-	6	4	6	4	6	4
Purple Morningglory	(<i>Ipomoea muricata</i>)	-	-	2	3	2	3	2	3	2	3	2	3
Redroot Pigweed ³	(<i>Amaranthus retroflexus</i>)	4	2	8	6	6	4	8	6	6	4	8	6
Smallflower Morningglory	(<i>Jacquemontia- tamnifolia</i>)	-	-	4	3	4	3	4	3	4	3	4	3
Smooth Pigweed ³	(<i>Amaranthus hybridus</i>)	4	2	6	4	4	2	6	4	6	4	6	4
Spiny Pigweed ³	(<i>Amaranthus spinosus</i>)	4	2	8	6	6	4	8	6	6	4	8	6
Sunflower	(<i>Helianthus annuus</i>)	6	8	8	10	8	10	10	12	10	12	10	12
Tall Morningglory	(<i>Ipomoea purpurea</i>)	3	3	4	4	4	4	4	4	4	4	4	4
Tall Waterhemp ³	(<i>Amaranthus tuberculatus</i>)	4	2	8	6	6	4	8	6	6	4	8	6
Toothed Spurge	(<i>Euphorbia dentata</i>)	2	2	2	2	4	4	4	4	4	4	4	4
Velvetleaf	(<i>Abutilon theophrasti</i>)	4	3	4	3	6	5	6	5	8	6	8	6
Venice Mallow	(<i>Hibiscus trionum</i>)	4	2	4	2	4	2	4	2	4	2	4	2
Wild Buckwheat	(<i>Polygonum convolvulus</i>)	6	8	8	10	8	10	10	12	10	12	10	12
Wild Mustard	(<i>Sinapis arvensis</i>)	4	4	4	4	4	4	4	4	4	4	4	4
WEEDS SUPPRESSED²													
Canada thistle	(<i>Cirsium arvense</i>)	Do Not Use		Do Not Use		8"-bud		8"-bud		8"-bud		8"-bud	

1 When determining leaf stage, count all leaves except cotyledonary leaves.

2 Selected rates of this product + atrazine tank mixtures suppress the growth by burning down of top growth. Regrowth may occur.

3 If pigweeds (*Amaranthus* spp.) present in the field to be treated have been identified as atrazine resistant biotypes, use this product at 3/4 pint/A in a tank mixture with atrazine at 1/2 or 1-1/5 lb ai/A. Applications should be made when pigweeds do not exceed the 4-leaf stage and 2 inches in height. Control of pigweeds in the high plains areas of Texas and Oklahoma may not be satisfactory with this product + atrazine tank mixtures. Repeat applications may be necessary to achieve satisfactory control.

ATRAZINE CONVERSION TABLE ¹		
ATRAZINE FORMULATION	ATRAZINE RATE POUNDS OF ACTIVE INGREDIENT PER ACRE	ATRAZINE FORMULATION RATE PER ACRE
Atrazine 4L	1/2	1 Pint
	1-1/5	2-2/5 Pints
Atrazine 80WP	1/2	5/8 Pound
	1-1/5	1-1/2 Pounds
Aatrex [®] Nine-O	1/2	3/5 Pound
	1-1/5	1-1/3 Pounds

¹ Follow all precautions and limitations on the labels of products used in tank mixture with this product.

SPECIAL USE DIRECTIONS FOR OTHER WEED PROBLEMS IN CORN AND SORGHUM

Large Common Cocklebur, Common Lambsquarters and Sunflower

For control of common cocklebur and common lambsquarters up to 14 inches in height and sunflower up to 18 inches in height, use a postemergence application of this product at 1/2 pint/A. Make a second application of this product at the same rate 7 to 10 days later.

Large Velvetleaf

For control of velvetleaf up to 14 inches in height, use postemergence application of this product at 3/4 to 1 pint/A or this product + atrazine tank mixture at 1/2 pint/A + 1-1/5 lb ai/A. Make a second application of this product at 1/2 pint/A 7 to 10 days later, but do not exceed a total of 1 pint/A of this product per season on corn (field and pop).

Canada Thistle Management

For effective management of Canada thistle, the following product treatments should be applied to thistle from 8 inch to the bud stage for in-season burndown of top growth:

Maestro[®] 4EC at 3/4 to 1 pint/A

Maestro[®] 4EC at 1/2 to 3/4 pint/A + atrazine at 1/2 to 1-1/5 lbs ai/A

Maestro[®] 4EC at 1/2 to 3/4 pint/A + Diablo[®], Clash[®], Banvel[®] or Clarity[®] at 1/4 to 1/2 pint/A

Maestro[®] 4EC at 1/2 to 3/4 pint/A + atrazine at 1/2 to 1-1/5 lbs ai/A + Diablo[®], Clash[®], Banvel[®] or Clarity[®] at 1/8 to 1/4 pint/A

Maestro[®] 4EC at 1/2 to 3/4 pint/A + 2,4-D at 1/8 to 1/4 lb ai/A

Maestro[®] 4EC at 1/2 to 3/4 pint/A + atrazine at 1/2 to 1-1/5 lbs ai/A + 2,4-D at 1/8 to 1/4 lb ai/A

If possible follow with cultivation 14-21 days after treatment. In the fall apply 2,4-D (such as WEEDONE[®] 638), Diablo[®], Clash[®], Banvel[®], Clarity[®], Credit[®] or Roundup[®] at specified rates to Canada thistle 4-8 inches tall prior to killing frost. Follow with a similar control program in next year's rotational crop.

ADDITIONAL MAESTRO® 4EC TANK MIXTURE DIRECTIONS

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + Diablo® ¹ or Banvel® ¹	1/2 pint/A + 1/8 to 1/2 pint/A	Apply to field corn after emergence but before corn is 36 inches tall or 15 days before tassel emergence, whichever comes first. Apply to sorghum between the 3-leaf stage but prior to the preboot stage (growth stage 4) or 15 inches in height, whichever comes first. Do not apply in the boot stage. Use drop nozzles if crop is taller than 8 inches.	All weeds controlled by this product at specified rates of application plus improved control of pigweed. For Canada thistle burndown and field bindweed suppression up to the mid-bloom stage, use 1/4 to 1/2 pint/A of Diablo® or Banvel® with this product.
	3/4 pint/A + 1/8 to 1/2 pint/A	Apply to field corn between the 4-leaf stage but before corn is 36 inches tall or 15 days before tassel emergence, whichever comes first. Apply to sorghum between the 4-leaf stage but prior to the preboot stage (growth stage 4) or 15 inches in height, whichever comes first. Do not apply in the boot stage. Use drop nozzles if crop is taller than 8 inches.	
Maestro® 4EC + atrazine + Diablo® ¹ or Banvel® ¹	1/2 pint/A + 1/2 to 1-1/5 lb ai/A + 1/8 to 1/4 pint/A	Apply to field corn after emergence but before corn is 12 inches tall. Apply to sorghum between the 3-leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	All weeds controlled by this product + atrazine tank mixtures at specified rates of application plus improved control of pigweed. For field bindweed suppression, use 1/4 pint/A of Clash® or Banvel® or Clarity® with this product.
	3/4 pint/A + 1/2 to 1-1/5 lb ai/A + 1/8 to 1/4 pint/A	Apply to field corn between the 4-leaf stage and before corn is 12 inches tall. Apply to sorghum between the 4-leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Do not apply in the boot stage. Use drop nozzles if crop is taller than 8 inches.	
<p>¹ Clash® or Clarity may be used at the same rates as Banvel in a tank mixture on corn. These mixtures must be applied before corn exceeds 8 inches in height. Do not use Clash® or Clarity® in a tank mixture with this product or this product + atrazine on sorghum.</p>			

**CORN (FIELD AND POP) AND SORGHUM (GRAIN AND FORAGE)
ADDITIONAL PRODUCT TANK MIXTURE DIRECTIONS (CONTINUED)**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + 2,4-D (such as WEEDONE® and WEEDAR® brand Herbicide)	1/2 pint/A + 1/16 to 1/4 lb ai/A	Apply to field corn after emergence but prior to tassel emergence. Use drop nozzles if crop is taller than 8 inches. Apply to sorghum between the 3-leaf stage but prior to the preboot stage (growth stage 4) or 15 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	All weeds controlled by this product at specified rates plus improved pigweed and kochia control. For Canada thistle burndown and field bindweed suppression up to the mid-bloom stage, use 1/8 to 1/4 lb ai/A of 2,4-D with this product.
	3/4 pint/A + 1/16 to 1/4 lb ai/A	Apply to field corn between the 4-leaf stage but prior to tassel emergence. Use drop nozzles if crop is taller than 8 inches. Apply to sorghum between the 4-leaf stage but prior to the preboot stage (growth stage 4) or 15 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	
Maestro® 4EC + atrazine + 2,4-D (such as WEEDONE® and WEEDAR® brand Herbicide)	1/2 pint/A + 1/2 to 1-1/5 lb ai/A + 1/16 to 1/4 lb ai/A	Apply to field corn after emergence but before the corn is 12 inches tall. Use drop nozzles if crop is taller than 8 inches. Apply to sorghum between the 3-leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	All weeds controlled by this product+ atrazine tank mixtures at specified rates of application plus improved devils claw control. For Canada thistle burndown and field bindweed suppression, use 1/8 to 1/4 lb ai/A of 2,4-D with this product .
	3/4 pint/A + 1/2 to 1-1/5 lb ai/A + 1/16 to 1/4 lb ai/A	Apply to field corn between the 4-leaf stage but before the corn is 12 inches tall. Use drop nozzles if crop is taller than 8 inches. Apply to sorghum between the 4-leaf stage but prior to the preboot stage (growth stage 4) or 12 inches in height, whichever comes first. Use drop nozzles if crop is taller than 8 inches.	
Maestro® 4EC + Accent® + Non-ionic surfactant	1/2 pint/A + 2/3 oz/A + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn preemergence or postemergence up to 36 inches tall. Use drop nozzles when corn is 24 to 36 inches tall. Do not apply this tank mix to sorghum.	All broadleaf weeds controlled by this product at 1/2 or 3/4 pint/A plus grasses and broadleaves controlled by Accent®. For optimum weed control, treat when broadleaves and grasses are in the specified growth stage or size. Follow the weed size guideline on this product or Accent® labels that are least restrictive.
	3/4 pint/A + 2/3 oz/A + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn between the 4-leaf stage up to 36 inches in height. Use drop nozzles when corn is 24 to 36 inches tall. Do not apply this tank mix to sorghum	

**CORN (FIELD AND POP) AND SORGHUM (GRAIN AND FORAGE)
ADDITIONAL PRODUCT TANK MIXTURE DIRECTIONS (CONTINUED)**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + atrazine + Accent® + Non-ionic surfactant	1/2 pint/A + 1/2 to 1-1/5 lb ai/A + 2/3 oz/A + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn preemergence or postemergence but before the corn is 12 inches tall. Do not apply this tank mix to sorghum.	All broadleaf weeds controlled by this product + atrazine plus grasses and broadleaves controlled by Accent®. For optimum weed control, treat when broadleaves and grasses are in the specified growth stage or size. Follow the weed size guideline on this product or Accent® labels that are least restrictive.
	3/4 pint/A + 1/2 to 1-1/5 lb ai/A + 2/3 oz/A + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn between the 4-leaf stage of crop growth but before the corn is 12 inches tall. Do not apply this tank mix to sorghum.	
Maestro® 4EC + Beacon® + Non-ionic surfactant	1/2 pint/A + 0.38 to 0.76 oz/A (1-2 packets/ 4 acres) + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn from 4 to 20 inches in height. Do not apply this tank mix to sorghum.	All broadleaf weeds controlled by this product at 1/2 pint/A plus grasses and broadleaves controlled by Beacon®. For optimum weed control treat when broadleaves and grasses are in the specified growth stage or size. Follow the weed size guidelines on this product or Beacon® labels that are least restrictive.
Maestro® 4EC + Exceed® + Non-ionic surfactant	3/8-1/2 pint/A + 0.5 to 1.0 oz/A + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn from 4 to 48 inches in height and before tasseling, whichever comes first. Do not apply this tank mix to sorghum.	Addition of Exceed® at 0.5 ounce/A to Maestro® 4EC at 3/8 to 1/2 pint/A will control all weeds on this product label at 1/2 pint/A plus improved control of velvetleaf and pigweed species. Addition of Exceed® at 1.0 ounce/A to this product at 3/8-1/2 pint/A will control all weeds on both this product and Exceed® labels. Follow the weed size guidelines on this product and Exceed® labels that are least restrictive.
Maestro® 4EC + Permit® + Non-ionic surfactant	3/8 to 1/2 pint/A + 1/3 to 2/3 oz/A + 1 qt/100 gal of water (0.25% v/v)	Apply to field corn from the 3-leaf stage to layby. Do not apply this tank mix to sorghum.	Addition of Permit® at 1/3 ounce/A to this product at 3/8 to 1/2 pint/A will control all weeds on this product label at 1/2 pint/A plus improved control of velvetleaf and pigweed species. Addition of Permit® at 2/3 ounce/A to this product at 3/8 to 1/2 pint/A will control all weeds on both this product and Permit® labels. Follow the weed size guidelines on this product and Permit® labels that are least restrictive.

**CORN (FIELD AND POP) AND SORGHUM (GRAIN AND FORAGE)
ADDITIONAL PRODUCT TANK MIXTURE DIRECTIONS (CONTINUED)**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + Stinger®	1/2 pint/A + 1/3 to 2/3 pint/A	Apply to field corn after emergence up to 24 inches in height. Do not apply this tank mix to sorghum.	All weeds controlled by this product at specified rates of application plus improved Canada thistle burndown. For optimum performance apply to Canada thistle at least 4 inches in diameter or height but before bud stage.
	3/4 pint/A + 1/3 to 2/3 pint/A	Apply to field corn from 4-leaf stage up to 24 inches in height. Do not apply this tank mix to sorghum.	
Maestro® 4EC + Atrazine + Stinger®	1/2 pint/A + 1/2 to 1-1/5 lb ai/A + 1/3 to 2/3 pint/A	Apply to field corn after emergence but before corn is 12 inches tall. Do not apply this tank mix to sorghum.	All weeds controlled by this product + atrazine tank mixtures at specified rates of application plus improved Canada thistle burndown. For optimum performance apply to Canada thistle at least 4 inches in diameter or height but before bud stage.
	3/4 pint/A + 1/2 to 1-1/5 lb ai/A + 1/3 to 2/3 pint/A	Apply to field corn from 4-leaf stage but before corn is 12 inches tall. Do not apply this tank mix to sorghum.	
Maestro® 4EC + Pursuit® + Non-ionic surfactant + UAN Fertilizer solution	3/8 to 1/2 pint/A + 4 ounces/A + 1 qt/100 gallons + 1-2 quarts/A	Apply this tank mix only on field corn hybrids possessing resistance to Pursuit® herbicide. Contact your seed supplier for further information. Apply this tank mix to corn between the 3 to 8-leaf stage of growth. Do not use crop oil concentrates when applying this product + Pursuit® tank mixtures.	This tank mix will control all broadleaf weeds listed as controlled by this product at 1/2 pint/A plus giant foxtail, redroot pigweed, and other grass and broadleaf weeds listed on the Pursuit® label.
Maestro® 4EC + Credit® or Roundup®	Preemergence 1/2 to 3/4 pint/A + 1/2 to 3 pints/A	Apply to corn or sorghum before planting time up until just prior to crop emergence.	All weeds controlled by this product at specified rates of application plus control of certain grass and perennial weeds. Refer to Credit® or Roundup® label for rate to use depending on weeds present at time of application.

RESTRICTIONS AND PRECAUTIONS: Corn (Field and Pop) and Sorghum (Grain and Forage), and Sudangrass

- This product does not control grasses. Therefore, it is recommended that a suitable grass control program be used to provide any required grass control.
- Addition of a spray additive or mixture with liquid fertilizers may cause excessive crop leafburn.
- Seed corn producers should consult the respective seed corn company regarding tolerance of certain seed production inbred lines to this product.
- Do not apply this product to postemergence to seed corn inbreds or popcorn prior to the 3-leaf stage of crop growth as excessive crop leaf burn may occur.
- Do not plant rotational crops within 30 days following product application.
- Do not cut crop for feed, fodder or graze within 45 days of application.
- The total cumulative rate must not exceed 1 pint/A per season.
- Postemergence application prior to the 3-leaf growth stage of corn or sorghum may result in increased crop leaf burn.
- Tank mixtures with Accent®/nonionic surfactant or Beacon®/nonionic surfactant may result in increased initial crop leaf burn. Use of crop oil concentrate, nitrogen fertilizer solution or other adjuvants in this product + Accent® or this product + Beacon® tank mixtures may result in a further increase in crop leaf burn.
- Special care should be taken when using this product and Clash®, Diablo®, Banvel®, Clarity®, or 2,4-D tank mixtures to avoid off target drift to sensitive crops.
- Tank mixtures with 2,4-D, Clash®, Diablo®, Banvel®, or Clarity® can cause stalk brittleness to field corn. Tank mixtures with 2,4-D and Diablo®, Banvel®, can cause stalk brittleness to sorghum. Winds or cultivation may cause breakage while crop is brittle.
- Follow all restrictions and precautions on the label of all products used in tank mixture with this product.
- Do not apply this product at any rate to sorghum after the preboot stage of growth (growth stage 4) as severe crop injury, including loss of crop yield may result.
- Do not apply the 1 pint/A rate of this product to sorghum.
- Do not apply the this product + Pursuit® tank mix except to field corn hybrids known to possess resistance to Pursuit®, or severe crop injury may result.

**WHEAT, BARLEY, OATS, RYE AND TRITICALE
Product Directions**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC	1/2 to 1 pint/A	Spring seeded wheat, barley, oats, rye and triticale. Use in all states except Idaho, Oregon, Washington, Colorado, Wyoming, and Montana. Apply from emergence up and prior to the boot stage.	Apply 1/2 pint/A to MOST SUSCEPTIBLE and 3/4 to 1 pint/A to SUSCEPTIBLE weeds that do not exceed the 4 leaf stage or 2 inches in height, whichever comes first. If weed forms rosette, apply before weeds exceed 1 inch in diameter. Use this product at 3/4 to 1 pint/A for control of kochia that is 2 to 4 inches in height and pigweed that does not exceed the 4 leaf stage or 2 inches in height, whichever come first.
	3/4 to 1 pint/A	Fall seeded wheat, barley, oats, rye and triticale throughout the United States. Apply from emergence to the boot stage. Spring seeded wheat, barley oats, rye and triticale in Idaho, Oregon, Washington, Colorado, Wyoming, and Montana. Apply from emergence up and prior to the boot stage.	Apply to MOST SUSCEPTIBLE weeds (see GENERAL WEED LIST) up to the 8-leaf stage or 4 inches in height, whichever comes first. If weed forms rosette apply before weeds exceed 2 inches in diameter. Apply to SUSCEPTIBLE broadleaf weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
	Chemigation 1 pint/A only	Apply to wheat, barley, oats, rye and triticale from emergence to the boot stage. Apply through automated sprinkler irrigation systems with a mechanical transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete details.	Apply to MOST SUSCEPTIBLE broadleaf weeds up to the 8-leaf stage or 4 inches in height or 2 inches in diameter, whichever comes first. Apply to SUSCEPTIBLE broadleaf weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first. Do not use chemigation for control of weeds that exceed 4 inches in height because control may be unacceptable.
	Small Grains underseeded with Alfalfa 1/2 to 3/4 pint/A	Apply to wheat, barley, oats, rye or triticale underseeded with alfalfa after small grains emergence up to the boot stage and when underseeded alfalfa has a minimum of 4 trifoliolate leaves. Follow all precautions and restrictions listed under the small grains and seedling alfalfa sections.	Apply 1/2 pint/A to MOST SUSCEPTIBLE and 3/4 pint/A to SUSCEPTIBLE broadleaf weeds that do not exceed the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
Maestro® 4EC + 2,4-D (such as WEEDONE® and WEEDAR® brand Herbicide)	1/2 to 1 pint/A + 1/4 to 1/2 lb ai/A	Apply to wheat, barley, oats and rye from the fully tillered but before jointing stage.	This tank mix improves control of mustards and pigweed. Apply to weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
	3/8 to 1/2 pint/A + 1/4 to 1/2 lb ai/A	Apply to wheat and barley in Minnesota, North and South Dakota from the fully tillered but before jointing stage.	This tank mix improves control of wild buckwheat, redroot pigweed and wild mustard. Apply to weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
Maestro® 4EC + MCPA (such as RHONOX® or RHOMENE®)	1/2 to 1 pint/A + 1/4 to 1/2 lb ai/A	Apply to wheat, barley, oats and rye from the 4-leaf stage but before jointing. This tank mix improves control of mustards, pigweed and kochia.	Apply to weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
Maestro® 4EC + Diablo® or Banvel®	1/2 to 3/4 pint/A + 1/8 to 1/4 pint/A	FOR USE ON WHEAT ONLY. DO NOT TREAT BARLEY, OATS, RYE AND TRITICALE. Fall-seeded wheat apply prior to the jointing stage. Spring-seeded wheat apply up to the 5-leaf stage.	This tank mix improves control of broadleaves such as prostrate knotweed. Apply to weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.

**WHEAT, BARLEY, OATS, RYE AND TRITICALE
Tank Mixture Directions (Continued)**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + Glean® + Non-ionic surfactant	3/8 to 3/4 pint/A + 1/6 to 1/3 oz/A + 1 qt/100 gal of water	Apply to wheat and barley from the 2-leaf stage but before boot stage. Refer to Glean® label for crop rotation and other restrictions.	This tank mix improves control of broadleaves such as henbit, tansy mustard and pigweed. Apply to weeds up to the 4-leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.
Maestro® 4EC + Purestand® or Ally® + Non-ionic surfactant	3/8-3/4 pint/A + 1/10 oz/A + 1 qt/100 gal of water	Apply to wheat and barley from the 2-leaf stage but before the boot stage. Refer to Purestand® or Ally® label for crop rotation and other restrictions.	This tank mix improves control of broadleaves such as tansy mustard and pigweed. Apply to weeds up to the 4-leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.
Maestro® 4EC + Finesse® + Non-ionic surfactant	3/8 to 3/4 pint/A + 1/6 to 1/3 oz/A + 1 qt/100 gal of water	Apply to wheat and barley from the 2-leaf stage but before the boot stage. Refer to Finesse® label for crop rotation and other restrictions.	This tank mix improves control of broadleaves such as tansy mustard, henbit, chickweed and pigweed. Apply to weeds up to the 4-leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.
Maestro® 4EC + Amber® + Non-ionic surfactant	3/8 to 3/4 pint/A + 0.28 to 0.56 oz/A + 0.25 to 0.5% v/v	Apply to wheat and barley after the 3-leaf stage but before the flagleaf is visible. Refer to the Amber® label for crop rotation and other restrictions.	This tank mix improves control of broadleaves such as tansy mustard, henbit, and pigweed. Apply to weeds up to the 4-leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first.
Maestro® 4EC + Victory® or Express® + Non-ionic surfactant	1/2 to 3/4 pint/A + 1/6 to 1/3 oz/A + 1 qt/100 gal of water	Winter wheat. Apply after crop is in the 2-leaf stage but before the flag leaf is visible. Refer to Victory® or Express® label for crop rotation and other restrictions.	This tank mix improves control of broadleaf weeds such as redroot pigweed, tansy mustard and suppression of Canada thistle. Apply to annual weeds up to the 4-leaf stage, 4 inches tall or across, whichever comes first, and to Canada thistle 4 to 8 inches tall with 2 to 6 inches of new growth.
	3/8 to 3/4 pint/A + 1/6 to 1/3 oz/A + 1 qt/100 gal of water	Spring wheat and barley. Apply after crop is in the 2-leaf stage but before the flag leaf is visible. Refer to Victory® or Express® label for crop rotation and other restrictions.	
Maestro® 4EC + Treaty® Extra or Harmony® Extra + Non-ionic surfactant	3/8 to 3/4 pint/A + 3/10 to 1/2 oz/A + 1 qt/100 gal of water	Winter wheat. Apply after the 2-leaf stage but before the 3rd node is detectable. Refer to the Treaty® Extra or Harmony® Extra label for crop rotation and other restrictions. Spring wheat and barley. Apply after the 2-leaf stage but before the 1st node is detectable. Refer to the Treaty® Extra or Harmony® Extra label for crop rotation and other restrictions.	This tank mix improves control of broadleaf weeds such as henbit, chickweed and redroot pigweed. Apply to weeds up to the 4-leaf stage, 4 inches in height or across, whichever comes first.
Maestro® 4EC + Curtail® or Curtail® M ⁴	1/2 to 3/4 pint/A + 2 pints/A	Apply to wheat and barley after the crop begins to tiller up to the 1st node detectable.	This tank mix improves control of kochia, wild buckwheat and Canada thistle. Apply to annual broadleaf weeds up to the 8-leaf stage up to 4 inches in height or 2 inches in diameter and Canada thistle in the rosette to prebud stage.

WHEAT, BARLEY, OATS, RYE AND TRITICALE (continued)
Tank Mixture Directions

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + metribuzin (Sencor® or Lexone®)	1/2 to 5/8 pint/A + 1/8 to 1/4 lb ai/A	Winter wheat in Idaho, Montana, Oregon and Washington. Apply in spring after growth has started and secondary roots with a minimum of 3 to 4 tillers have been established but before boot stage. Avoid application when crop has experienced winter kill, frost damage, disease or drought.	This tank mix improves control of broadleaves such as chickweed, filaree, henbit and dogfennel. Apply to weeds that do not exceed 2 inches tall or rosettes of 2 inches in diameter. The higher use rates of both products should be used only in emergency weed situations and if some minor crop injury is acceptable. A recognized authority should be consulted concerning the use of this mixture in your area.
Maestro® 4EC + diuron	1/2 pint/A + 4/10 lb ai/A	Winter wheat and winter barley in Idaho, Oregon and Washington. Use only in areas where annual rainfall exceeds 16 inches. One fall application after emergence but before soil freezes or in spring as soon as soil thaws.	This tank mix improves control of broadleaves such as henbit and gromwell. Apply to weeds before they are 2 inches tall or 2 inches in diameter.
Maestro® 4EC + Tiller®	1/2 pint/A + 1 pint/A	Spring wheat. Apply when crop begins to tiller (3 to 4-leaf stage) up to the 6-leaf stage. Refer to the Tiller label for complete use directions and restrictions.	In addition to broadleaf weeds controlled by this product, this tank mix will control green foxtail from the 2-leaf to 2-tiller stage of growth.
Maestro® 4EC + Hoelon®	1/2 to 1 pint/A + 2-2/3 pints/A	Spring barley. After emergence but before jointing. Avoid using this tank mixture on barley exposed to cold (lower than 40°F) and/or prolonged wet weather conditions as crop injury may result.	This tank mix will provide wild oat, green foxtail and annual ryegrass control in addition to broadleaves. Apply to grasses 1 to 3-leaf stage and broadleaves no larger than 4-leaf stage or rosettes of 1.5 inches in diameter.
	1/2 to 1 pint/A + 2-2/3 to 3-1/3 pints/A	Winter wheat and spring wheat. After emergence but before jointing.	
Maestro® 4EC + Hoelon® + Crop Oil Concentrate	1/2 to 1 pint/A + 2 to 2-2/3 pints/A + 1 to 2 pints/A	Winter wheat and spring wheat. After emergence but before jointing. Use a minimum of 10 gallons of spray volume per acre. DO NOT USE ON BARLEY.	
Maestro® 4EC + Avenge®	1/2 to 1 pint/A + 2-1/2-4 pints/A	Spring wheat. 5 to 6-leaf stage. Refer to Avenge® label for varietal and other restrictions. Barley. 2 to 7- leaf stage.	This tank mix will provide wild oat control in addition to broadleaves. Apply to wild oats in the 3 to 5-leaf stage and broadleaves that do not exceed the 4 leaf stage or rosettes of 1.5 inches in diameter. Avenge use rates per acre are 2.5 pints (1 to 10 oats per sq. ft.), 3 pints (11 to 25 oats per sq. ft.) or 4 pints (more than 25 oats per sq. ft.).

RESTRICTIONS AND PRECAUTIONS: Wheat, Barley, Oats, Rye and Triticale

- Do not graze treated fields within 45 days following treatment.
- Do not apply when crops are under moisture stress.
- Do not apply when crop canopy covers the weeds as poor weed control will result.
- Do not apply when underseeded alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.
- Do not add a surfactant or crop oil when applying to underseeded alfalfa or increased injury will occur.
- Do not cut for feed or graze spring-treated underseeded alfalfa within 30 days following treatment.
- Do not cut for feed or graze fall or winter-treated underseeded alfalfa until spring, at least 60 days following treatment.
- Reduced weed control may occur when weeds are stressed from lack of moisture or cold temperatures.
- Refer to labels of products used in tank mixture for additional restrictions and precautions.
- Do not plant rotational crops within 30 days following product application.
- The total cumulative rate must not exceed 1 pint/A per season.
- Do not use for rye grown on hay.
- Do not exceed 0.5 lbs bromoxynil per acre per year.

**FORAGE, FIBER AND SPECIALTY CROPS
ALFALFA (SEEDLING)
Maestro® 4EC Directions**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC	1/2 to 3/4 pint/A	<p>In the states of California, Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas:</p> <p>Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliates. Unacceptable crop injury may occur to alfalfa seedlings less than the 2 trifoliolate stage. Product applications made when temperatures are expected to exceed 80°F at and 3 days following application can result in unacceptable crop injury.</p> <p>In the remaining states, apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 4 trifoliolate leaves. When alfalfa stand is uneven and conditions favor leafburn, unacceptable crop injury may occur to alfalfa in the 2 trifoliolate or smaller stage of growth. If you are unsure of growth stage conditions, contact your local extension service. Product applications made when temperatures are expected to exceed 70°F at and 3 days following application can result in unacceptable crop injury. Follow all other use directions listed on this label.</p>	<p>Apply 1/2 pint/A to MOST SUSCEPTIBLE broadleaf weeds and 3/4 pint/A to SUSCEPTIBLE broadleaf Weeds (See GENERAL WEED LIST) when weeds do not exceed 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first. This product will not adequately control over-wintered pennycress, henbit and mustards.</p>
Maestro® 4EC	Chemigation Only 1 pint/A	<p>Apply to seedling alfalfa with a minimum of 2 trifoliolate leaves. Apply through automated sprinkler irrigation systems with a mechanical transfer loading system only. See MIXING LOADING AND HANDLING INSTRUCTIONS Section for complete details. Product applications made when temperatures are expected to exceed 85°F at and 3 days following application can result in unacceptable crop injury.</p>	<p>Apply to MOST SUSCEPTIBLE broadleaf weeds up to the 8-leaf stage, 4 inches in height or 2 inches in diameter, whichever comes first. Apply to SUSCEPTIBLE broadleaf weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.</p>

FORAGE, FIBER AND SPECIALTY CROPS (ALFALFA (SEEDLING)) (continued)
Tank Mixture Directions

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + BUTYRAC® 200 Aceto 2,4-DB 200 (2,4-DB)	1/2 pint/A + 1 quart/A	Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 4 trifoliolate leaves. When alfalfa stand is uneven and conditions favor leafburn, unacceptable crop injury may occur to alfalfa in the 2 trifoliolate or smaller stage of growth. If you are unsure of growth stage conditions, contact your local extension service. In the states of California, Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas, applications of this product made when temperatures are expected to exceed 80°F at and 3 days following application, can result in unacceptable crop injury. In the remaining states Maestro® 4EC applications made when temperatures are expected to exceed 70°F at and 3 days following application can result in unacceptable crop injury. Rainfall or overhead irrigation within 7-10 days following a BUTYRAC® 200 or Aceto 2,4-DB 200 application can cause unacceptable crop injury.	This tank mix improves control of pigweed species, kochia, and tansy mustard. Apply when weeds do not exceed the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first. This product + BUTYRAC 200 or Aceto 2,4-DB 200 tank mixtures will not adequately control over-wintered pennycress, henbit and mustards.
Maestro® 4EC + Pursuit® + Non-ionic surfactant	3/8 to 1/2 pint/A + 3 to 6 ounces/A + 1 qt/100 gallons	In the states of California, Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliolate leaves. When alfalfa stand is uneven and conditions favor leafburn, unacceptable crop injury may occur to alfalfa treated prior to the 2nd trifoliolate stage of growth. If you are unsure of growth stage conditions, contact your local extension service. This product + Pursuit® applications made when temperatures are expected to exceed 80°F at and 3 days following application can result in unacceptable crop injury.	This tank mix will control MOST SUSCEPTIBLE broadleaf weeds (See GENERAL WEED LIST) when weeds do not exceed the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first; and other grass and broadleaf weeds listed on the Pursuit® label. Weeds should be 1-3 inches tall for optimum control.

FORAGE, FIBER AND SPECIALTY CROPS (ALFALFA (SEEDLING)) (continued)
Tank Mixture Directions

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + Pursuit® + Non-ionic surfactant	1/4 to 3/8 pint/A + 3 to 6 ounces/A + 1 qt/100 gallons	In all states except California, Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Nevada, Arizona, New Mexico, and the western halves of North Dakota, South Dakota, Nebraska and Kansas: Apply in the fall or spring to seedling alfalfa when the majority of the field has a minimum of 2 trifoliolate leaves. When alfalfa stand is uneven and conditions favor leafburn, unacceptable crop injury may occur to alfalfa treated prior to the 2nd trifoliolate stage of growth. If you are unsure of growth stage conditions, contact your local extension service. This product + Pursuit® applications made when temperatures are expected to exceed 70°F at and 3 days following application can result in unacceptable crop injury.	This product at 1/4 pint/A tank mixed with Pursuit® will control common lambsquarters up to 2 inches in height plus weeds listed on the Pursuit® label. This product at 3/8 pint/A + Pursuit® will control the MOST SUSCEPTIBLE annual broadleaf weeds (See GENERAL WEED LIST) when weeds do not exceed the 4 leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first plus weeds listed on the Pursuit® label. Applications should be made when the majority of the weeds are 1-3 inches tall and when common lambsquarters do not exceed 4 inches in height. For low growing weeds (such as mustards), apply before the rosette exceeds 3 inches in diameter. Refer to the Pursuit® label for a list of susceptible weeds at each of the specified rates.

RESTRICTIONS AND PRECAUTIONS: Alfalfa (Seedling)

- Crop leafburn can occur following product application. Warm, humid conditions may enhance leaf burn. New crop growth will not be affected. Alfalfa yield should not be reduced although total biomass tonnage may decrease compared to a weedy field due to weed removal.
- Do not apply when alfalfa is under moisture, temperature, insect or disease stress or has been stressed by other pesticide carryover or application.
- If combined with herbicides requiring oil adjuvants or surfactants, increased alfalfa injury will occur.
- Do not cut for feed or graze spring treated alfalfa within 30 days following treatment.
- Do not cut for feed or graze fall or winter treated alfalfa until spring, at least 60 days following treatment.
- Do not plant rotational crops within 30 days following product application.
- The total cumulative rate of this product must not exceed 1 pint/A per season.
- The use of Eptam® preemergence may enhance crop leaf burn from postemergence application of this product and should be considered prior to using this product.
- Follow all restrictions and precautions on the tank mixture product label when a Maestro® 4EC tank mixture is used.
- Tank mixture with 2,4-DB may result in unacceptable crop leaf burn especially under warm, humid weather conditions.
- This product alone can be applied to seedling alfalfa that has been underseeded into small grains that include wheat, barley, oats, rye and triticale. See application restrictions under the WHEAT, BARLEY, OATS, RYE AND TRITICALE SECTION.
- Rainfall or overhead irrigation within 7 to 10 days following BUTYRAC® 200 or Aceto 2,4-DB 200 application can cause unacceptable crop injury.

FLAX (LINUM USITATISSIMUM ONLY)
Maestro® 4EC Directions

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC	1/2 pint/A	Apply to flax that is 2 to 8 inches in height. Do not apply this product to flax during or after the bud stage.	Apply to MOST SUSCEPTIBLE weeds that do not exceed the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.

Product Tank Mixture Directions

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC + Poast® + Crop oil Concentrate or Dash®	1/2 pint/A + 1 to 1-1/2 pints/A + 2 pints/A or 2 pints/A	Apply to flax that is 2 to 8 inches in height. Do not apply this tank mix to flax during or after the bud stage, or within 75 days of flax harvest.	This tank mix will control broadleaf weeds plus grassy weeds listed on the Poast label. Apply to MOST SUSCEPTIBLE broadleaf weeds (see the list on this label) that do not exceed the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.

RESTRICTIONS AND PRECAUTIONS: Flax (*Linum usitatissimum* only)

- Do not plant rotational crops within 30 days following product application.
- Do not apply if temperatures are expected to exceed 85°F at or 3 days following application or crop injury may occur.
- Unacceptable crop injury may occur following product application to flax grown on high organic, peat type soils.
- Application under high humidity conditions can injure flax.
- Unless otherwise instructed, do not apply this product to flax with crop oil concentrate, surfactants or nitrogen solutions.
- Do not use on ornamental flax.
- Follow all precautions, directions and restrictions on the Poast® label when using this tank mixture with this product.
- Do not apply more than 1/2 pint of this product per acre in a single growing season.

GARLIC Product Directions

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC	3/4 to 1 pint/A	Apply to garlic after emergence but before 12 inches in height.	Apply to MOST SUSCEPTIBLE and SUSCEPTIBLE broadleaf weeds up to the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
Maestro® 4EC (Only for garlic grown in muck soils in Northeastern United States)*	3/4 to 1 pint/A	Apply to garlic after emergence but before 12 inches in height. *May be harvested 60 days after treatment.	

PRECAUTIONS AND RESTRICTIONS: Garlic

- Do not plant rotational crops within 30 days following product application.
- Use a minimum of 20 gallons per acre for ground application.
- This product can be applied through automated sprinkler irrigation application.
- Do not harvest within 112 days following treatment (except garlic grown in muck soils in Northeastern United States).
- Do not apply more than 1 pint of this product per acre in a single growing season.

MINT (ESTABLISHED PEPPERMINT AND SPEARMINT ONLY) Product Directions

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC	1/2 to 3/4 pint/A	Apply to dormant or actively growing established peppermint or spearmint crops that exhibit good vigor.	Apply to MOST SUSCEPTIBLE and SUSCEPTIBLE weeds that do not exceed the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
	Chemigation 1 pint/A only	Apply to dormant or actively growing established peppermint or spearmint crops that exhibit good vigor. Apply through automated sprinkler irrigation systems with a mechanical transfer loading system only. See MIXING, LOADING AND HANDLING INSTRUCTIONS section for complete details.	

RESTRICTIONS AND PRECAUTIONS: Mint

- Application made to mint when temperatures are expected to exceed 70°F at or 5 days following application may result in unacceptable crop injury. This injury is more likely to occur following product application in the spring.
- Do not apply to mint growing under adverse conditions including diseases, insects, nematodes, high salt content soil, drought, excessive moisture, winter damage or other environmental stress.

- Application of this product to mint should not be made within two weeks of a Sinbar® application or unacceptable crop injury may result.
- Do not use in spring on newly established mint. Fall applications to spring planted mint should be acceptable if the crop is well established.
- This product can cause temporary stunting and discoloration of the mint particularly from the spring application. However the injury symptoms are only temporary and have not caused yield reduction.
- Use of this product in combination with other products may increase temporary stunting and discoloration.
- Do not harvest within 70 days following treatment.
- Do not apply more than 3 pints of this product per acre to mint in a single growing season.
- Do not plant rotational crops within 30 days following product application.

**ONIONS (DRY BULB)
Product Directions**

PRODUCT	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
		CROP	WEEDS
Maestro® 4EC	Preemergence 1/2 to 3/4 pint/A	Preemergence use is restricted to onions grown east of the Mississippi River only on muck soils containing greater than 10% organic matter. Apply at least 3 to 4 days prior to emergence. Rainfall or irrigation within 2 days following preemergence applications or 3 days prior to crop emergence may result in unacceptable crop injury. Preemergence applications can be applied using either ground or aerial equipment.	Apply this product at 1/2 pint/A to control MOST SUSCEPTIBLE weeds and ¾ pint/A for SUSCEPTIBLE weeds. Weeds should not exceed the 4-leaf stage, 2 inches in height or 1 inch in diameter, whichever comes first.
	Postemergence 1/2 to 3/4 pint/A	Apply only to onions which have 2 to 5 true leaves. Use at least 50-70 gallons of water per acre and apply by ground equipment or chemigation only . Water volume is important - CONCENTRATED SPRAYS KILL ONIONS . Thorough and uniform coverage is necessary for good weed control. In onion-producing areas, certain environmental conditions reduce development of waxy coating on the onion leaves, thus increasing the possibility of injury. Dry soil, dry onion foliage, high light intensity, low humidity, and high temperatures tend to increase the waxy coating on onion leaves and thus reducing chances for injury. It is essential that the soil and onion foliage be dry at the time of application. Humidity should be low and dew should be off the plants.	

RESTRICTIONS AND PRECAUTIONS: Onions (Dry Bulb)

- The sensitivity of onions to this product varies with the variety and environmental conditions. Therefore, even if all the label directions are followed, product application still may cause injury to onions under certain circumstances.
- Do not irrigate onions that have received a preemergence application of this product for 2 days following application or within 3 days of crop emergence.
- Do not apply preemergence applications of this product to onions grown west of the Mississippi River.
- Do not use this product on onions grown under low light intensity, in areas such as Oregon, west of the Cascades.
- Do not treat onions damaged by sand, insects, or diseases.
- Do not apply postemergence applications of this product to onions with aerial equipment.
- Do not add surfactant.
- Do not apply more than 3/4 pint of this product per acre in a single growing season.
- Do not plant rotational crops within 30 days following product application.
- Do not exceed 0.375 lbs bromoxynil per acre per year.

GRASS CROPS
GRASSES GROWN FOR SOD OR SEED PRODUCTION
Product Directions
SEEDLING AND ESTABLISHED GRASSES

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ. FT.	CROP	WEEDS
Maestro® 4EC	0.5 to 1.0 Pint	0.188 to 0.375 fl. oz.	Apply to established and newly seeded grasses grown for sod or seed production before the boot stage. Established grasses tolerant to this product include bentgrasses, Kentucky Bluegrass, Fescues, Ryegrass, Bermudagrass, St. Augustinegrass and Zoysiagrass. Maestro® 4EC may also be used on seedling grasses such as Merion, Park, Delta, or common Kentucky Bluegrasses, Pennlawn, Chewings, Illahee or Alta Fescues, Orchard grass, Highland, Seaside or Astoria Bentgrasses, perennial Ryegrasses, Bahiagrass and Zoysiagrass.	Refer to the GENERAL WEED LIST for a listing of susceptible broadleaf weeds. Optimal control will be attained when weeds are treated in the seedling stage (less than 4-leaf stage, 2 inches in height, or 1 inch in diameter).
Maestro® 4EC	Chemigation 1 Pint Only	0.375 fl. oz.	Apply to established and newly seeded grasses grown for sod production before the boot stage. Apply through automated sprinkler Irrigation systems with mechanical transfer loading system only. See MIXING LOADING AND HANDLING INSTRUCTIONS section for complete details. Refer to the list of established grasses that are tolerant to this product.	

RESTRICTIONS AND PRECAUTIONS: Grasses grown for sod or seed production

- Do not allow livestock to graze in treated areas or feed treated grasses, forage, hay, straw, silage, or seed to livestock.
- Do not apply more than 1 pint of this product per acre in a single growing season.
- Do not plant rotational crops within 30 days following product application.
- Do not exceed 0.5 lbs bromoxynil per acre per year.

NON-RESIDENTIAL TURFGRASS
Product Directions
SEEDLING AND ESTABLISHED NON-RESIDENTIAL TURFGRASS

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ. FT.	CROP	WEEDS
Maestro® 4EC	0.5 to 1.0 Pints	0.188 to 0.375 fl. oz.	Apply to established and newly seeded non-residential turfgrass when weeds are small and actively growing. Established turfgrasses that are tolerant to this product include bentgrasses, Kentucky Bluegrass, Fescues, Ryegrass, Bermudagrass, St. Augustinegrass and Zoysiagrass. This product may also be used on seedling grasses such as Merion, Park, Delta, or common Kentucky Bluegrasses, Pennlawn, Chewings, Illahee or Alta Fescues, Orchard grass, Highland, Seaside or Astoria Bentgrasses, perennial Ryegrasses, Bahiagrass and Zoysiagrass.	Refer to the GENERAL WEED LIST for a listing of susceptible broadleaf weeds. Optimal control will be attained when weeds are treated in the seedling stage (less than 4-leaf stage, 2 inches in height, or 1 inch in diameter).

**PRODUCT TANK MIXTURE DIRECTIONS
ESTABLISHED NON-RESIDENTIAL TURFGRASS**

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ. FT.	CROP	WEEDS
Maestro® 4EC + WEEDONE® DPC Ester	1 Pint + 3 to 4 Pints	0.375 fl. oz. + 1.125 to 1.5 fl. oz.	Apply to established non-residential turfgrass only. This treatment may cause injury to bentgrasses, St. Augustinegrass, centipede grass, and carpetgrass.	All weed species previously listed in the GENERAL WEED LIST for this product plus the following species: Dandelion (<i>Taraxacum officinale</i>) Plantains (<i>Plantago spp.</i>) Ground Ivy (<i>Glechoma hederacea</i>) Red Clover (<i>Trifolium pratense</i>) White Clover (<i>Trifolium repens</i>) Hop Clover (<i>Trifolium agrarium</i>) Common Chickweed (<i>Stellaria media</i>) Prostrate Spurge (<i>Euphorbia supina</i>) Oxalis (<i>Oxalis europaea</i>) Knotweed (<i>Polygonum aviculare</i>) Optimal control will be attained when weeds are treated in the seedling stage (less than 4-leaf stage, 2 inches in height, or 1 inch in diameter).
Maestro® 4EC + MCP	1 Pint + 1.0 lb ai	0.375 fl. oz. + 0.025 lb ai	Apply to established non-residential turfgrass only. This treatment is not for use on St. Augustinegrass or centipede grass.	All weed species previously listed in the GENERAL WEED LIST for this product plus the following species: Red Clover (<i>Trifolium pratense</i>) White Clover (<i>Trifolium repens</i>) Common Chickweed (<i>Stellaria media</i>) Mouseear Chickweed (<i>Cerastium vulgatum</i>) Ground Ivy (<i>Glechoma hederacea</i>) Stitchwort (<i>Stellaria graminea</i>) Knotweed (<i>Polygonum aviculare</i>) Prostrate Spurge (<i>Euphorbia supina</i>) Optimal control will be attained when weeds are treated in the seedling stage (less than 4-leaf stage, 2 inches in height, or 1 inch in diameter).
Maestro® 4EC + dicamba	1 Pint + 0.125 to 0.25 lb ai	0.375 fl. oz. + 0.006 to 0.012 lb ai	Apply to established non-residential turfgrass only. This treatment may cause injury to bentgrasses, St. Augustinegrass, centipede grass, and carpetgrass.	All weed species previously listed in the GENERAL WEED LIST for this product plus the following species: Red Clover (<i>Trifolium pratense</i>) White Clover (<i>Trifolium repens</i>) Common Chickweed (<i>Stellaria media</i>) Mouseear Chickweed (<i>Cerastium vulgatum</i>) Pepperweed (<i>Lepidium spp.</i>) Knotweed (<i>Polygonum aviculare</i>) Optimal control will be attained when weeds are treated in the seedling stage (less than 4-leaf stage, 2 inches in height, or 1 inch in diameter).

ESTABLISHED NON-RESIDENTIAL TURFGRASS (continued)

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ. FT.	CROP	WEEDS
Maestro® 4EC + MCP + dicamba	1 Pint + 0.5 to 1.0 lb ai + 0.125 to 0.25 lb ai	0.375 fl. oz. + 0.0125 to 0.025 lb ai + 0.003 to 0.006 lb ai	Apply to established non-residential turfgrass only. This treatment is not for use on St. Augustinegrass or centipede grass.	All weed species previously listed in the GENERAL WEED LIST for this product and this product/dicamba tank mixtures plus the following species: Dandelion (<i>Taraxacum officinale</i>) Plantains (<i>Plantago spp.</i>) Optimal control will be attained when weeds are treated in the seedling stage (less than 4-leaf stage, 2 inches in height, or 1 inch in diameter).
Maestro® 4EC + MCP + 2,4-D	1 Pint + 0.5 to 1.0 lb ai + 0.5 to 1.0 lb ai	0.375 fl. oz. + 0.0125 to 0.025 lb ai + 0.0125 to 0.025 lb ai	Apply to established non-residential turfgrass only. This treatment is not for use on St. Augustinegrass or centipede grass.	All weed species previously listed in the GENERAL WEED LIST for this product and this product/2,4-D tank mixtures plus the following species: Dandelion (<i>Taraxacum officinale</i>) Plantains (<i>Plantago spp.</i>) Red Sorrell (<i>Rumex acetosella</i>) Knotweed (<i>Polygonum aviculare</i>) Optimal control will be attained when weeds are treated in the seedling stage (less than 4 leaf stage, 2 inches in height, or 1 inch in diameter). Optimal control of Red Sorrell will require the high use rate of 2,4-D or MCP.

RESTRICTIONS AND PRECAUTIONS: Non-residential turfgrasses

- Maestro® 4EC/WEEDONE® DPC tank mixes are not allowed in California.
- Do not allow livestock to graze in treated areas or feed treated grasses, forage, hay, straw, silage, or seed to livestock.
- Do not apply more than 1 pint of this product per acre in a single growing season.
- Do not apply this product to golf course turf.
- Do not exceed 0.5 lbs a.i. bromoxynil per acre per year.

**NON-CROPLAND AND INDUSTRIAL SITES
Product Directions**

PRODUCT	RATE	RATE	APPLICATION TIMING AND SPECIFIC COMMENTS	
	Per ACRE	Per 1000 SQ. FT.	CROP	WEEDS
Maestro® 4EC	0.5 to 1 Pint	0.188 to 0.375 fl. oz.	Apply to non-cropland and industrial sites when weeds have emerged and are actively growing.	Refer to the GENERAL WEED LIST for a listing of susceptible broadleaf weeds. Use adequate spray volumes to ensure thorough coverage. Optimal control will be attained when weeds are treated in the seedling stage (less than 4-leaf stage, 2 inches in height, or 1 inch in diameter).

RESTRICTIONS AND PRECAUTIONS: Non-Cropland and Industrial Sites

- Do not allow livestock to graze in treated areas or feed treated plant material to livestock.
- Addition of surfactant or crop oil concentrate may improve burndown of broadleaf weeds under cool, dry conditions.
- Do not apply more than 1 pint of this product per acre in a single growing season.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Always store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides.

PESTICIDE DISPOSAL: Open dumping is prohibited. Waste or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, State or local procedures. Place in a closed, labeled container for proper disposal.

CONTAINER HANDLING:

[Note to Reviewer: The following statement will be included on all Final Printed Labels bearing multiple Container Handling statements] **NOTE:** This product is available in multiple containers. Refer to the Net Contents section of this products labeling for the applicable "Nonrefillable" or "Refillable" designation. Follow the container handling instructions below that apply to your container type / size."

[Note to Reviewer: The bracketed section headers will be included when multiple container types / sizes are listed on the label.]

[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 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.

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.

LIMITATION OF LIABILITY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

(RV090321)

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Optional Marketing Claims:

Nufarm Grow a better tomorrow.
Grow a better tomorrow.

LABEL HISTORY

File Name	Revision	Comments
071368-00078.2009126.EPA.Notification	RV121508N	Not per 98-10 PBNC
071368-00078.20110119.EPA.Not PRN 07-04	RV011911	Not per PRN 07-04
071368-00078.20110301.MASTER	RV030111	EPA Accepted Notification
071368-00078.20110301.MASTER	RV030111	Addressed typos due to conversion: "...control. For Canada thistle burndown and..." & "...buckwheat..."
071368-00078.20140205.Amendment	RV020514	EPA Amendment
071368-00078.20140428.Amendment	RV042814	EPA Review
071368-00078.20140429.MASTER	RV042914	EPA SAL
071368-00078.20141028.EPA Amendment	RV0102814	EPA Amendment for CADPR
071368-00078.20150113.MASTER	RV011315	EPA SAL

**NOT TO BE PART OF THE PRINTED LABEL
FOR INTERNAL USE ONLY**

09/11/2007 New Submission.

12/14/2007 Made modifications per Request via Email. Adjusted Storage and Disposal; deleted Cyanazine from table on page 4 and added new warranty to label.

01/07/2008 Made modifications per EPA Stamped Approval Letter dated Dec. 26, 2007.

03/12/2008 Changed product name from NUP07272 to Maestro® HL.

04/25/2008 Dave Feist wanted name changed to Maestro®4EC.

06/18/2008 EPA Amendment submission. Changed precautionary language on page 2.

12/11/2008 EPA stamped acceptance letter w/comments dated November 05, 2008. Updated requested changes per letter and made FIN label.

12/15/2008 Primary Brand Name change to: "Maestro®4EC Selective Herbicide" per new naming standards set. Also updated the Storage & Disposal to reflect true containers that will be used (not bags).

01/26/2009 Updated Manufactured For to Nufarm, Inc. per EPA Reg. No. 71368

01/19/2011 Submitted Notification to EPA per PR N 07-04 and made changes as requested on Fallow Amendment denial & per PRN 98-10 changed PBN to Maestro 4EC Herbicide.

03/01/11 EPA Accepted Notification

09/04/2012 Address typos resulting from pdf to Word conversion in 2008.
CORN (FIELD AND POP) AND SORGHUM / Maestro® 4EC+ atrazine+ 2,4-D (such as WEEDONE® and WEEDAR® brand Herbicide): "...control. For Canada thistle burndown and...."
&
WHEAT, BARLEY, OATS, RYE AND TRITICALE / Maestro® 4EC + 2,4-D (such as WEEDONE® and WEEDAR® brand Herbicide):
"This..." + "...buckwheat..."

02/05/2014 EPA non-PRIA Fast Track Label Amendment adding Grasses grown for seed and hay, adding Nufarm tank mix partners, and modifying the backpack/handheld equipment restriction.

04/28/2014 EPA Review "Do not apply this product with backpack or hand-held application equipment." needs to be a blanket restriction on all uses per RED. EPA communicated need to omit grass for hay production – 04/24/14.

04/29/2014 EPA SAL.

10/28/2014 EPA Amendment for CADPR adding Protective Eyewear in PPE & GABT tagline.

01/13/2015 EPA SAL.