
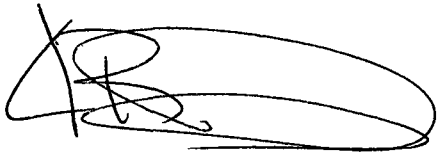


89167-16

9/28/2012

1/21

 U S ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave , NW Washington, D C 20460 NOTICE OF PESTICIDE <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA as amended)	EPA Registration Number 89167-16	Date of issuance SEP 28 2012
	Term of Issuance Unconditional	
	Name of Pesticide Product AX SU TBN 75 Herbicide	
Name and Address of Registrant (include ZIP Code) Axion Ag Products, LLC 3937 Cedarwood Lane Johnstown, CO 80534		
Note Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.		
<p>On the basis of information furnished by the registrant the above named pesticide is hereby registered/reregistered under the Federal Insecticide Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment the Administrator on his motion may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is registered in accordance with FIFRA provided that you</p> <p>1 Submit and/or cite all data required for registration review/reregistration of your product when the Agency requires all registrants of similar products to submit data</p> <p>The Basic Confidential Statement of Formula (CSF) dated 6/12/2012 is acceptable</p> <p>A stamped copy of the label is enclosed for your records. Submit one (1) copy of the final printed label before you release the product for shipment. If these requirements are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.</p> <p>If you have any questions regarding this Notice, please contact Kaitlin Keller at (703)308-8172 or at keller.kaitlin@epa.gov</p>		
Signature of Approving Official Kable Bo Davis Product Manager 25 Herbicide Branch Registration Division (7505P) 	Date SEP 28 2012	

2/21

AX SU TBN 75

Herbicide

DRY FLOWABLE

FOR USE ON WHEAT, BARLEY, TRITICALE, FALLOW AND PRE-PLANT BURNDOWN

ACTIVE INGREDIENT

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

75 0%

OTHER INGREDIENTS

25 0%

TOTAL

100 0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada 1-800-424-9300

Outside USA and Canada +1 703-527 3887 (collect calls accepted)

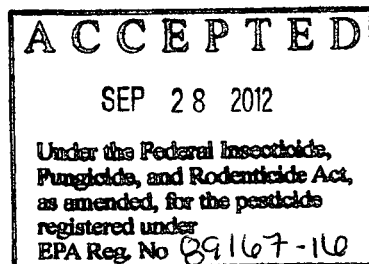
EPA Reg No 89167 XXXXX

EPA EST NO

NET CONTENTS _____ LBS

Manufactured for
AXION AG PRODUCTS LLC
3937 Cedarwood Lane
Johnstown CO 80534

091912



PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Causes moderate eye irritation Harmful if swallowed or absorbed through skin Avoid contact with skin eyes or clothing Prolonged or repeated use of the product may cause allergic reactions in some individuals

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical resistant to this product are listed below If you want more options follow the instructions for Category A on an EPA chemical resistance category selection chart

Applicators and other handlers must wear

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product Follow manufacturer's instructions for cleaning / maintaining PPE If no such instructions for washables exist use detergent and hot water Keep and wash PPE separately from other laundry

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

USER SAFETY RECOMMENDATIONS

Users Should

- Wash hands before eating drinking chewing gum using tobacco or using the toilet
- Remove clothing immediately if pesticide gets inside Then wash thoroughly and put on clean clothing
- Remove PPE immediately after handling this product Wash the outside of gloves before removing As soon as possible wash thoroughly and change into clean clothing

FIRST AID

IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing • Rinse skin immediately with plenty of water for 15 to 20 minutes • Call a poison control center or doctor for treatment advice
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by the poison control center or doctor • Do not give anything by mouth to an unconscious person
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 eye • 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 doctor or going for treatment For emergency information concerning this product call the National Pesticides Information Center (NPIC) at 1 800 858-7378 seven days a week 6 30 am to 4 30 pm Pacific Time (NPIC Web site www.npic.orst.edu) Outside of these times call your poison control center at 1-800 222-1222

ENVIRONMENTAL HAZARDS

Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposing of equipment washwaters or rinsate.

PESTICIDE HANDLING

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical Resistant Gloves made of any waterproof material such as polyethylene or polyvinyl chloride
- Shoes plus socks

This product must be used only in accordance with directions on this label or in separately published EPA approved supplemental labeling. AXION AG PRODUCTS LLC will not be responsible for losses or damages resulting from the use of this product in any manner not specified by Axion Ag Products LLC. This product is registered for use on wheat, barley, triticale, post-harvest burndown, fallow, and pre-plant burndown in most states. Check with your state extension service or Department of Agriculture before use to be certain this product is registered in your state.

PRODUCT INFORMATION

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

on the following

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

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

USE RATE

Apply 1/6 to 1/3 oz of this product per acre to wheat (including durum) barley triticale fallow and pre plant burndown Two applications of this product may be made per season provided the total amount applied does not exceed 1/3 oz per acre

BIOLOGICAL ACTIVITY AND ENVIRONMENTAL CONDITIONS

This product is absorbed through the foliage of broadleaf weeds rapidly inhibiting their growth Leaves of susceptible plants appear chlorotic from 1 to 3 weeks after application and the growing point subsequently dies

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

This product may injure crops that are stressed from adverse environmental conditions (such as extreme temperatures or moisture) abnormal soil conditions or cultural practices In addition different varieties of the crop may have differing levels of sensitivity to treatment with this product under otherwise normal conditions

Treatment of sensitive crop varieties may injure crops To reduce the potential of crop injury tank mix this product with 2 4-D (ester formulations perform best – see TANK MIXTURES section of this label) and apply after the crop is in the tillering stage of growth

In warm moist conditions the expression of herbicide symptoms is accelerated in weeds in cold dry conditions expression of herbicide symptoms is delayed In addition weeds hardened off by drought stress are less susceptible to this product

Weed control may be reduced if rainfall or snowfall occurs soon after application Several hours of dry weather are needed to allow this product to be sufficiently absorbed by weed foliage

FALLOW

FALLOW USE RATE

Apply 1/6 to 1/3 oz of this product per acre to fallow fields Two applications of this product may be made per crop season provided the total amount applied does not exceed 1/3 oz per acre This product should be applied in combination with other suitable registered fallow herbicides (See the TANK MIXTURES section of this label for additional information)

APPLICATION TIMING

This product may be used as a fallow treatment when the majority of weeds have emerged and are actively growing

TANK MIXTURES IN FALLOW

This product may be used as a fallow treatment and should be tank mixed with other herbicides that are registered for use in fallow Read and follow all manufacturers label directions for the companion herbicide If those directions conflict with this label do not tank mix the herbicide with this product

PRE-PLANT BURNDOWN IN COTTON

This product may be applied for burndown of emerged weeds prior to the emergence of cotton

DIRECTIONS FOR USE

This product may be used as part of a pre plant burndown treatment in combination with other suitable registered pre plant herbicides

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

Apply this product at 0.2 ounce per acre for control or partial control of the weeds listed on this label. Allow at least 14 days between application of this product and planting of cotton. Include a nonionic surfactant, petroleum based crop oil concentrate, or vegetable seed oil based product (methylated seed oils are considered a vegetable seed-based oil).

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

SPRAY ADJUVANTS

Nonionic Surfactant (NIS)

Apply at a rate (concentration) of 0.25 to 0.5% v/v (1.2 qt per 100 gal spray solution). Use the higher rate in hot and dry conditions to enhance control.

Crop Oil Concentrate

Under dry conditions or during cool weather, a petroleum based crop oil concentrate or vegetable-seed oil-based product may be used in place of a nonionic surfactant at 1.2 gallon/100 gal of spray solution (1-2% v/v) to enhance weed control. Use a petroleum-based crop oil concentrate with at least 14% emulsifiers/surfactant and 80% oil.

Ammonium Nitrogen Fertilizer

An ammonium nitrogen fertilizer can be added to a surfactant or a crop oil concentrate to enhance control. Alternatively, a high quality sprayable grade of ammonium sulfate (21-0-0) may be used.

RESTRICTIONS

- DO NOT apply later than 14 days before planting cotton.

PRECAUTIONS

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

PREPLANT BURNDOWN

RATES AND ADJUVANTS

Apply this product at 1/6 - 1/3 oz per acre. Use the higher rate for denser weed populations or where weeds are approaching the maximum size. Also use the higher rate when the weed infestation predominantly consists of those weeds listed in the Weeds Partially Controlled section below, or when application timing and environmental conditions are marginal.

Add a spray adjuvant to the tank. Crop Oil Concentrate is preferred at 1% v/v (1 gallon per 100 gallons of final spray volume). Refer to the Spray Adjuvants section of this label.

Sequential treatments of this product may be made provided the total amount of this product applied during one fallow/pre-plant cropland season does not exceed 1/3 ounce per acre.

Cotton Pre-plant Burndown: Apply 1/5 oz per acre. Allow at least 14 days from time of application to planting cotton.

APPLICATION TIMING

Apply this product as a burndown treatment to control emerged weeds in the fall or spring. Make applications when the majority of weeds have emerged and are actively growing.

Applications can be made:

- prior to wheat: Apply before planting or shortly after planting (and prior to emergence)
- prior to cotton: Allow at least 14 days between application and planting
- prior to sugarbeets, winter rape and canola: Allow at least 60 days between application and planting
- prior to any other crops (such as corn, grain sorghum, rice and soybeans): Allow at least 45 days between application and planting

TANK MIXTURES

Addition of a minimum of 1/2 lb active ingredient per acre of 2,4-D LV ester (e.g., 1 pt of a 4 lb/gal 2,4-D

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within 45 days of the last application

Since this product has very little or no soil activity it controls only those weeds that have germinated therefore apply this product when all or most of the weeds have germinated For best results annual broadleaf weeds should be past the cotyledon stage actively growing and less than 4 inches tall or wide See the SPECIFIC WEED PROBLEMS section of this label for more information

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

WEEDS CONTROLLED

This product effectively controls the following weeds when used according to label directions

Black mustard	Curly Dock **	fennel (Anthemis cotula L) **
Blue/Purple mustard	False chamomile / Wild	Miners lettuce
Bushy wallflower/Treacle	chamomile / Scentless	Pineappleweed
mustard	chamomile	Prickly lettuce ** ‡
Canada thistle **	(Matricaria maritima L)	Redroot pigweed
Coast fiddleneck	Field	Russian thistle ** ‡
Common Chickweed	pennycress	Shepherd s purse
Common Groundsel	Flixweed	Slimleaf lambsquarters
Common	Hairy	Smallseed falseflax
Lambsquarters	buttercup	Tansymustard
Common Purslane	Kochia ** ‡	Tarweed fiddleneck
Corn Gromwell **	London Rocket	Tumble/Jim Hill mustard **
Corn spurry	Mayweed chamomile /	Wild mustard
Cowcockle	Stinking Chamomile / dog	

WEEDS PARTIALLYCONTROLLED*

This product partially controls the following weeds when used according to label directions

Annual sowthistle	Hairy Vetch **	Wild buckwheat
Common cocklebur	Henbit	Wild garlic
Common sunflower (volunteer)	Pennsylvania smartweed	Wild radish**
** Common Vetch **	Prostrate knotweed	
Hairy nightshade	Redmaids	

* Partially controlled weeds exhibit a visual reduction in numbers as well as a significant loss of vigor For better results use 1/4 to 1/3 oz of this product per acre and include a tank mix partner such as 2 4-D MCP bromoxynil (such as Buctril Bison Bronate or Bronate Advanced) or dicamba (such as Banvel / Clarity) Refer to the TANK MIXTURES section of this label

** See the Specific Weed Problems section of this label for more information

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

TANK MIXTURES

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

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

This product may be tank mixed with 2 4 D and MCP (preferably ester formulations) herbicides for use on wheat barley and triticale For best results add 2 4-D or MCP herbicides to the tank at 1/8 to 3/8 lb active ingredient per acre In tank mixes containing 1/8 lb active ingredient 2 4 D or MCP per acre add 1 to 2 pt of nonionic surfactant in tank mixes containing 1/4 to 3/8 lb active ingredient 2 4 D or MCP per acre add 1 pt of nonionic surfactant

Higher rates of 2,4-D or MCP may be used but do not exceed the highest rate allowed by those respective labels. When using rates of 3/8 lb ai per acre or higher, use of additional nonionic surfactant may not be needed unless specified otherwise in the 2,4-D or MCP label or local specifications. Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using these tank mixtures.

With 2,4-D or MCP (amine or ester) and Dicamba (such as Banvel / Clarity)

This product may be applied in a 3-way tank mix with formulations of dicamba (such as Banvel / Clarity) and 2,4-D or MCP. Observe all applicable directions, restrictions, and precautions on labels of all products used.

Make applications at 1/8 to 1/3 oz of this product + 1-1.5 oz active ingredient dicamba (such as Banvel / Clarity) + 1/4 to 3/8 lb active ingredient of 2,4-D or MCP (ester or amine) per acre. Use higher rates when weed infestation is heavy. Add 1-2 pt of nonionic surfactant to the 3-way mixture where necessary as deemed by local specifications. Use of additional nonionic surfactant may not be needed with the higher phenoxy rates and ester phenoxy formulations. Consult the specific 2,4-D or MCP and dicamba labels or local specifications for more information.

Apply this 3-way combination to winter wheat after the crop is tillering and prior to jointing (first node). In Spring Wheat (including Durum), apply after the crop is tillering and before it exceeds the 5-leaf stage. Tank mixtures of this product plus dicamba (such as Banvel / Clarity) may result in reduced control of some broadleaf weeds. Do not apply this 3-way mixture at high rates more than once a year or more than twice per year at the low rates.

With Bromoxynil containing products (such as Buctril, Bison, Bronate, Bronate Advanced or Rhino)

This product may be tank mixed with bromoxynil containing herbicides registered for use on wheat, barley, or triticale. For best results, add bromoxynil containing herbicides to the tank at 3 to 6 oz active ingredient per acre (such as Bronate or Bison at 3/4 to 1 1/2 pt per acre). Note that tank mixtures of this product plus bromoxynil may result in reduced control of Canada thistle.

Read and follow all label instructions on timing, precautions, and warnings for these herbicides before using these tank mixtures. Follow the most restrictive labeling.

With Starane

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

For improved control of Kochia (2-4 inches tall), Russian thistle, mustard species, and wild buckwheat, this product may be tank mixed with 1/3 to 1-1/3 pints per acre of Starane. Refer to the Starane label information regarding use restrictions, labeled crops, rotational cropping directions, sprayer cleanup, use precautions, and other information. The most restrictive provisions on either label will apply. Do not use the tank mix if any restrictions on the Starane label conflict with directions on this herbicide label.

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

With Starane + Salvo

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

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

Other suitable registered herbicides, fungicides, and insecticides registered for use on small grains or fallow may be tank mixed or used sequentially with this mixture.

With Starane + Sword

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

For improved control of Kochia (2-4 inches tall) Russian thistle mustard species and wild buckwheat AXION AG PRODUCTS LLC small grain herbicides may be tank mixed with 3/4 to 2-3/4 pints per acre of Starane + Sword Refer to this products herbicide label and the Starane and Sword labels for information regarding use restrictions labeled crops rotational cropping directions sprayer cleanup use precautions and other information The most restrictive provisions on either label will apply Do not use the tank mix if any restrictions on the Starane or Sword label conflict with directions on this label Other suitable registered herbicides fungicides and insecticides registered for use on cereal grains or fallow may be tank mixed or used sequentially with this mixture Read and follow all manufacturer's label directions for the companion herbicide The most restrictive provisions on either label will apply

With Starane, Starane + Salvo or Starane + Sword

For improved control of Kochia (2-4 inches tall) this product may be tank mixed with 1/3 to 2/3 pints per acre of Starane 2/3 to 1 1/3 pints per acre of Starane + Salvo or 3/4 to 1 1/2 pints per acre of Starane + Sword Refer to the AXION AG PRODUCTS LLC herbicide label and the Starane Starane + Salvo and Starane + Sword labels for information regarding use restrictions labeled crops rotational cropping directions sprayer cleanup use precautions and other information The most restrictive provisions on any of the labels will apply Do not use the tank mix if any restriction on the labels conflict with directions on the AXION AG PRODUCTS LLC herbicide label

2 4-D and MCP herbicides (preferably ester formulations) may be tank mixed with this product plus Starane Consult local specifications and the Tank Mixtures section of this label for additional information

With Maverick

This product can be tank mixed with Maverick herbicide for improved control of weeds in wheat Refer to the Maverick label for information regarding use restrictions labeled crops rotational cropping directions sprayer cleanup use precautions and other information The most restrictive provisions on either label will apply Do not use the tank mix if any restrictions on the Maverick label conflict with directions on the AXION AG PRODUCTS LLC herbicide label

With Aim

This product can be tank mixed with Aim herbicide for improved control of weeds in wheat and barley Refer to the Aim label for information regarding use restrictions labeled crops rotational cropping directions sprayer cleanup use precautions and other information The most restrictive provisions on either label will apply Do not use the tank mix if any restrictions on the Aim label conflict with directions on the AXION AG PRODUCTS LLC herbicide label

With Stinger, or Cutback, or Cutback M, or WideMatch

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

Refer to the Stinger Cutback Cutback M or Widematch label for information regarding use restrictions labeled crops rotational cropping directions sprayer cleanup use precautions and other information The most restrictive provisions on either label will apply Do not use the tank mix if any restrictions on the Stinger Cutback Cutback M or Widematch label conflict with directions on this label

With Assert Herbicide

This product can be tank mixed with Assert When tank mixing this product with Assert always include another broadleaf weed herbicide with a different mode of action - for example 2 4-D ester MCP ester or bromoxynil (such as Buctril Bison Bronate Bronate Advanced or Rhino) Applications of this product plus Assert may cause temporary crop discoloration stunting or injury when heavy rainfall occurs shortly after application

With Puma

This product can be tank mixed with Puma herbicide for improved control of weeds in wheat and barley Refer to the Puma label for information regarding use restrictions labeled crops rotational cropping directions sprayer cleanup use precautions and other information The most restrictive provisions on either label will apply Do not use the tank mix if any restrictions on the Puma label conflict with directions on the AXION AG PRODUCTS LLC herbicide label

With Puma 1EC

This product can be tank mixed with Puma 1 EC for control of some annual grass weeds This tank mix may also include MCPA ester bromoxynil or bromoxynil/MCPA for greater spectrum of broadleaf control see

Puma 1 EC label for specific use directions and restrictions on tank mixes

Read and follow all label instructions on the EPA approved Puma 1 EC label for tank mixes application timing precautions and restrictions If those directions conflict with this label do not tank mix

With Discover or Discover NG

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

Refer to the Discover or Discover NG label for information regarding use restrictions labeled crops rotational cropping directions sprayer cleanup use precautions and other information The most restrictive provisions on either label will apply Do not use the tank mix if any restrictions on the Discover or Discover NG label conflict with directions on the AXION AG PRODUCTS LLC herbicide label

With Everest

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

Refer to the Everest label for information regarding use restrictions labeled crops rotational cropping directions sprayer cleanup use precautions and other information The most restrictive provisions on either label will apply Do not use the tank mix if any restrictions on the Everest label conflict with directions on the AXION AG PRODUCTS LLC herbicide label

With Other Herbicides

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

Tank mixtures of this product with Hoelon 3EC may result in reduced grass control

With Fungicides

This product may be tank mixed or used sequentially with fungicides registered for use on cereal crops

With Insecticides

This product may be tank mixed or used sequentially with insecticides registered for use on cereal crops However under certain conditions (drought stress or if the crop is in the 2 to 4 leaf stage) tank mixtures or sequential applications of this product with organophosphate insecticides (such as Lorsban) may produce temporary crop yellowing or in severe cases crop injury The potential for crop injury is greatest when wide fluctuations in day/night temperatures occur just prior to or soon after application

Test these mixtures in a small area before treating large areas

Do not apply this product within 60 days of crop emergence where an organophosphate insecticide has been applied as an in-furrow treatment since crop injury may result

Do not use this product plus Malathion since crop injury may result

With Liquid Nitrogen Solution Fertilizer

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

If using low rates of liquid nitrogen fertilizer in the spray solution (less than 50% of the spray solution volume) the addition of surfactant is necessary Add surfactant at 1/2 pt to 1 qt per 100 gal of spray solution (0.06 to 0.25% v/v) based on local specifications

When using high rates of liquid nitrogen fertilizer solution in the spray solution adding surfactant increases the risk of crop injury If 2,4-D or MCP is included with this product and fertilizer mixture ester formulations tend to be more compatible (see manufacturer's label) Additional surfactant may not be needed when using this product in tank mix with 2,4-D ester or MCP ester and liquid nitrogen fertilizer solutions Consult your agricultural dealer consultant field advisor or AXION AG PRODUCTS LLC representative for a specific direction before adding an adjuvant to these tank mixtures

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

Do not use low rates of liquid nitrogen fertilizer solution as a substitute for a surfactant Liquid nitrogen fertilizer solutions that contain sulfur can increase crop response

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

SPECIFIC WEED PROBLEMS

Canada thistle For best results apply 1/3 oz of this product per acre when all thistles are 4 to 8 inches tall with 2 to 6 inches of new growth. Make the application in the spring.

Corn Gromwell For best results apply 1/3 oz of this product per acre in combination with 2,4-D or MCP (refer to the Tank Mixtures section of this label).

Curly Dock For best results apply 1/4 to 1/3 oz of this product per acre in combination with 2,4-D or MCP (refer to the Tank Mixtures section of this label).

Kochia Naturally occurring biotypes resistant to this product are known to occur. For best results use this product in a tank mixture with Starane, Starane + Salvo, Starane + Sword, dicamba (such as Banvel / Clarity) and 2,4-D or MCP (ester or amine) or bromoxynil containing products (such as Buctril, Bison, Bronate, Bronate Advanced or Rhino).

This product should be applied in the spring when kochia are less than 2 inches tall and are actively growing (refer to the Tank Mixtures section of this label for additional details on rates and restrictions).

Mayweed chamomile / Stinking Chamomile / dog fennel For best results apply 1/4 to 1/3 oz of this product per acre.

Russian thistle, Prickly lettuce Naturally occurring biotypes resistant to this product of these weeds are known to occur. For best results use this product in a tank mixture with dicamba (such as Banvel / Clarity) and 2,4-D or MCP (ester or amine) or bromoxynil containing products (such as Buctril, Bison, Bronate, Bronate Advanced or Rhino).

This product should be applied in the spring when Russian thistle and prickly lettuce are less than 2 inches tall or 2 inches across and are actively growing (refer to the Tank Mixtures section of this label for additional details on rates and restrictions).

Tumble/Jim Hill mustard For best results apply 1/3 oz of this product per acre in combination with 2,4-D or MCP (refer to the Tank Mixtures section of this label).

Vetch (common and hairy) For best results apply 1/4 to 1/3 oz of this product per acre when vetch is less than 6 in length. For severe infestations of vetch or when vetch is greater than 6 in length apply this product in combination with 2,4-D or MCP (refer to the Tank Mixtures section of this label).

Wild radish For best results apply 1/6 to 1/3 oz this product per acre plus 1/4 to 3/8 lb active ingredient per acre MCP plus 0.25% v/v nonionic surfactant (1 qt per 100 gal of spray solution) to wild radish rosettes less than 6 diameter. Make the application either in the fall or spring. Applications made later than 30 days after weed emergence will result in partial control. Fall applications should be made before plants harden-off.

SU / IMI Tolerant Volunteer Sunflowers Varieties resistant to SU and IMI products (like this product Beyond Pursuit Raptor) are under development. For best results use this product in a tank mix with Starane, Starane + Salvo, Starane + Sword, dicamba (such as Banvel / Clarity) and 2,4-D or MCP (ester or amine) or bromoxynil containing products (such as Buctril, Bison, Bronate, Bronate Advanced or Rhino).

FOR WEED CONTROL IN GRASS GROWN FOR SEED ONLY IN THE STATES OF IDAHO, OREGON WASHINGTON AND UTAH

This product is directed for selective postemergence control or suppression of certain broadleaf weeds in seedling and established stands of bentgrass, bluegrass, annual ryegrass, orchardgrass, tall fescue and fine fescue grown for seed.

This product may be used on seedling and established perennial rye grass providing user accepts all risk of possible crop injury and/ or reduced seed yield.

This product may cause temporary yellowing and stunting of grass. Best results are obtained when this product is applied to young, actively growing weeds. The degree of control and duration of effect are dependent on the rate used, sensitivity and size of target weeds and environmental conditions at the time of and following application.

Note: Certain varieties of grass may be sensitive to this product. When using this product for the first time on a particular variety, limit use to one 10 ounce container.

USE RATES AND TANK MIXES WITH OTHER HERBICIDES

Bentgrass, Bluegrass, Annual Ryegrass, Orchardgrass, Fine Fescue and Tall Fescue

Seedling Stands For best results apply this product in a tank mix with another suitable broadleaf herbicide

For use on annual ryegrass orchardgrass tall fescue and fine fescue apply at 1/6 oz/A after stand is in 4 leaf stage For use on bentgrass apply at 1/6 oz/A after stolens are 3 to 5 inches across

For use on bluegrass apply at 1/6 to 1/3 oz/A after stand is in 4 leaf stage

Established Stands For stands that have been established for at least one growing season (fall or spring) apply this product at 1/6 to 1/3 oz/A in a tank mix with another suitable broadleaf herbicide Use the higher rate for larger weeds and hard to control weeds like wild carrot Apply prior to jointing

Perennial Ryegrass Perennial ryegrass is more sensitive to this product than other grass species Crop injury in the form of stunting and possible reduced seed yield may occur To minimize the risk of crop injury use the 1/6 oz/A rate and always use either 2 4 D or Clarity and liquid nitrogen with this product

Seedling Stands Apply this product at 1/6 oz/A in a tank mix with another suitable broadleaf herbicide after grass is in 5 to 6-leaf stage

Established Stands For stands that have been established for one growing season (fall or spring) apply this product at 1/6 oz/A to 1/3 oz/A in a tank mix with another suitable broadleaf herbicide Apply prior to jointing

Note The 1/3 oz rate of this product should be used only for the control or suppression of problem weeds like wild carrot where the benefit of weed control can be offset by possible crop injury including possible yield reduction

TANK MIXTURES

Always use this product in a tank mix with another broadleaf herbicide such as 2 4-D or MCPA as these herbicides safen the effects of this product on grasses while improving weed control performance on most broadleaf weeds Testing has shown that 2 4-D provides the best overall weed control in a tank mix with this product However 2 4 D at 1/2 lb A/A provides the best crop safening effects

The addition of liquid fertilizer is also directed

Use a minimum of 1/4 to 1/2 lb A/A of 2 4-D or MCPA (8 to 16 fluid ounces of 4 lb/gal product)

This product can be applied with liquid fertilizers Liquid fertilizers (20% 28% 32% N at a minimum of 4 gallons/100 gallons of spray solution) enhance the performance of this product and improve crop safety Always use a surfactant and another broadleaf herbicide when using liquid fertilizer with this product

WEEDS CONTROLLED

The following weeds are controlled or suppressed

WEEDS PARTIALLY CONTROLLED OR SUPPRESSED*

Dovefoot geranium Redstem filaree Spotted catsear Wild carrot

***Partial Control or Suppression** A visual reduction in weed competition (reduced stand and/or vigor) compared to an untreated area

Surfactant

Always use a nonionic surfactant of at least 80% active ingredient at the rate of 0.25% volume/volume (1 quart per 100 gallon of spray solution)

RESTRICTIONS

- Do not apply more than 1/3 ounce per acre per growing season
- Do not graze or cut for hay or feed associated by-products for 60 days after application After harvest straw and other by-products may be fed to animals Make last application of this product at least 60 days prior to harvest of grass seed
- Do not apply this product in a tank mix with organophosphate insecticides as severe crop injury may occur
- Do not apply to grass that is under stress from severe weather conditions drought low fertility water saturated soil disease or insect damage as crop injury may result Under certain conditions such as prolonged cool weather (daily high temperature less than 50 F) or wide fluctuations in day/night temperatures just prior to or soon after treatment temporary yellowing and/or crop stunting may occur
- Do not apply to Bermudagrass

PRECAUTIONS

The use of methylated seed oil (MSO) or crop oil is not recommended with this product on grass seed crops as these adjuvants may produce unsatisfactory crop injury

SPRINKLER CHEMIGATION WITH THIS PRODUCT AND BROMOXYNIL CONTAINING HERBICIDES (SUCH AS BISON, BRONATE, BRONATE ADVANCED OR RHINO) IN WINTER & SPRING WHEAT & SPRING BARLEY IN IDAHO

DIRECTIONS FOR USE

This product Herbicide is specified in combination with bromoxynil containing herbicides (such as Bison Bronate Bronate Advanced or Rhino) for use in fall seeded wheat spring seeded barley and spring seeded wheat when applied through sprinkler irrigation systems in the state of Idaho

HOW TO USE

Use 1/4 to 1/3 oz of this product per acre in combination with bromoxynil containing herbicides at a rate of 3 to 6 oz active ingredient per acre (such as Bronate or Bison at 3/4 to 1 1/2 pt per acre) Apply to wheat and barley after the 3-leaf stage but before the flag leaf is visible Make only one chemigation application of this mixture per crop year

For best results apply to broadleaf weeds up to the 4 leaf stage or 2 inches in height or 1 inch in diameter whichever comes first Consult this product's label and bromoxynil containing herbicides package labels for list of weeds controlled or suppressed

SPRINKLER IRRIGATION APPLICATION

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

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

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

SPECIFIC REQUIREMENTS FOR APPLICATION THROUGH SPRINKLER IRRIGATION SYSTEMS

- 1 For use via chemigation only in Idaho
- 2 In center pivot and continuous lateral move systems this product + bromoxynil containing herbicides should be applied continuously for the duration of the water application In solid set systems application of the tank mix should be made during the last 30 to 45 minutes of the irrigation
- 3 Set the sprinkler system to deliver approximately 0.5 inch or less of water per acre for best product performance
- 4 Fill the supply tank with half of the water amount desired add this product and agitate it well Add the bromoxynil containing herbicides and then add the remaining water amount with agitation Bromoxynil

containing herbicides require a dilution with at least 4 parts water to 1 part bromoxynil containing herbicides

- 5 Agitation is recommended in the pesticide supply tank when applying this tank mixture
- 6 The use of a surfactant is not recommended with this tank mix application
- 7 Inject this product + bromoxynil containing herbicides solution at least 8 feet ahead of a right angle turn of irrigation pipe to insure adequate mixing. Allow sufficient time for the herbicide mixture to be flushed through the lines before turning off irrigation water
- 8 Follow both this product and bromoxynil containing herbicides label instructions for spray tank cleanout both before and after application. Flush lines with clean water following application
- 9 Do not apply when wind speed favors drift beyond the area intended for treatment. Avoiding spray drift is the responsibility of the applicator

POST HARVEST

USE RATE

Apply 1/6 to 1/3 oz of this product per acre to crop stubble after harvest. Use 1/3 ounce per acre rate when weed infestation is heavy and predominantly consists of those weeds listed under the WEEDS PARTIALLY CONTROLLED section of this label or when application timing and environmental conditions are marginal (See the APPLICATION TIMING Section for restriction on planting intervals). This product should be applied in combination with other suitable registered burndown herbicides (See the TANK MIXTURES section of this label for additional information).

Sequential treatments of this product may also be made provided the total amount of this product applied during one fallow/pre plant cropland season does not exceed 1/3 ounce per acre.

APPLICATION TIMING

This product may be used as a burndown treatment to crop stubble when the majority of weeds have emerged and are actively growing.

TANK MIXTURES

This product may be used as a post harvest treatment to crop stubble and should be tank mixed with other herbicides that are registered for use in fallow. Read and follow all manufacturers' label directions for the companion herbicide. If those directions conflict with this label, do not tank mix the herbicide with this product.

ADDITIONAL INFORMATION - ALL USES

SPRAY ADJUVANTS

Include a spray adjuvant with applications of this product. In addition, an ammonium nitrogen fertilizer may be used. Consult your Ag dealer or applicator, local AXION AG PRODUCTS LLC fact sheets and technical bulletins prior to using an adjuvant system. If another herbicide is tank mixed with this product, select adjuvants authorized for use with both products. Products must contain only EPA-exempt ingredients (40CFR 1001).

Nonionic Surfactant (NIS)

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

Petroleum Crop Oil Concentrate (COC) or Modified Seed Oil (MSO)

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

Special Adjuvant Types

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

Ammonium Nitrogen Fertilizer

Use 2 qt/acre of a high-quality urea ammonium nitrate (UAN) such as 28%N or 32%N or 2 lb/acre of a spray grade ammonium sulfate (AMS) Use 4 qt/acre UAN or 4 lb/acre AMS under arid conditions

GROUND APPLICATION

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

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

For flood nozzles on 30 spacing use flood nozzles no larger than TK 10 (or the equivalent) a pressure of at least 30 psi and a spray volume of at least 10 GPA only For 40 nozzle spacing use at least 13 GPA for 60 spacing use at least 20 GPA It is essential to overlap the nozzles 100% for all spacings

Raindrop RA nozzles are not recommended for this product applications as weed control performance may be reduced Use screens that are 50 mesh or larger

AERIAL APPLICATION

Use nozzle types and arrangements that provide optimum spray distribution and maximum coverage at 1 to 5 GPA Use at least 3 GPA in Idaho Oregon or Utah

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

See the Spray Drift Management section of this label for additional information

PRODUCT MEASUREMENT

This product can be measured using this product's volumetric measuring cylinder included in the case The degree of accuracy of this cylinder varies by $\pm 7.5\%$ For more precise measurement use scales calibrated in ounces

CROP ROTATION

Wheat Barley and Triticale may be replanted anytime after the application of this product Sugarbeets

Winter Rape and Canola can be planted at 60 days after the application of this product Any other crop may be planted 45 days after the application of this product

GRAZING

Do not graze livestock in treated areas In addition do not feed forage or hay from treated areas to livestock (harvested straw may be used for bedding and/or feed)

MIXING INSTRUCTIONS

- 1 Fill the tank 1/4 to 1/3 full of water
- 2 While agitating add the required amount of this product
- 3 Continue agitation until this product is fully dispersed at least 5 minutes
- 4 Once this product is fully dispersed maintain agitation and continue filling tank with water This product should be thoroughly mixed with water before adding any other material
- 5 As the tank is filling add tank mixture partners (if desired) then add the required volume of spray adjuvant Always add spray adjuvant last Antifoaming agents may be used Do not use with spray additives that alter the pH of the spray solution below pH 6.0 as rapid product degradation can occur Spray solutions of pH 7.0 and higher allow for optimum stability of this product
- 6 If the mixture is not continuously agitated settling will occur If settling occurs thoroughly re-agitate before using
- 7 Apply this product spray mixture within 24 hours of mixing to avoid product degradation
- 8 If this product and a tank mixture partner are to be applied in multiple loads pre-slurry this product in clean water prior to adding to the tank This will prevent the tank mixture partner from interfering with the dissolution of this product

SPRAY EQUIPMENT

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

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

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

Continuous agitation is required to keep this product in suspension.

SPRAYER CLEANUP

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

AT THE END OF THE DAY

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

AFTER SPRAYING THIS PRODUCT AND BEFORE SPRAYING CROPS OTHER THAN WHEAT, BARLEY AND TRITICALE

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

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

* Equivalent amounts of an alternate strength ammonia solution or a Axion Ag Products LLC-approved cleaner can be used in the cleanout procedure. Carefully read and follow the individual cleaner instructions. Consult your Ag dealer, applicator, or DuPont representative for a listing of approved cleaners.

Notes

PRECAUTION: Do not use chlorine bleach with ammonia because dangerous gases will form.

Do not clean equipment in an enclosed area.

1. Steam-cleaning aerial spray tanks is recommended prior to performing the above cleanout procedure to facilitate the removal of any caked deposits.
2. When this product is tank mixed with other pesticides, cleanout procedures for each product should be examined and the most rigorous procedure should be followed.
3. In addition to this cleanout procedure, all precleanout guidelines on subsequently applied products should be followed as per the individual product labels.
4. Where routine spraying practices include shared equipment frequently being switched between applications of this product and applications of other pesticides to this product sensitive crops during the

same spray season it is recommended that a sprayer be dedicated to this product to further reduce the chance of crop injury

SPRAY DRIFT MANAGEMENT

The interaction of many equipment and weather related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR

IMPORTANCE OF DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets (>150 - 200 microns). The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. APPLYING LARGER DROPLETS REDUCES DRIFT POTENTIAL BUT WILL NOT PREVENT DRIFT IF APPLICATIONS ARE MADE IMPROPERLY OR UNDER UNFAVORABLE ENVIRONMENTAL CONDITIONS! See Wind, Temperature and Humidity, and Surface Temperature Inversions sections of this label.

Controlling Droplet Size - General Techniques

- **Volume** - Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- **Pressure** - Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. WHEN HIGHER FLOW RATES ARE NEEDED, USE A HIGHER CAPACITY NOZZLE INSTEAD OF INCREASING PRESSURE.
- **Nozzle Type** - Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low drift nozzles.

Controlling Droplet Size - Aircraft

- **Number of Nozzles** - Use the minimum number of nozzles with the highest flow rate that provide uniform coverage.
- **Nozzle Orientation** - Orienting nozzles so that the spray is emitted backwards, parallel to the airstream, will produce larger droplets than other orientations.
- **Nozzle Type** - Solid stream nozzles (such as disc and core with swirl plate removed) oriented straight back produce larger droplets than other nozzle types.

BOOM LENGTH AND HEIGHT

- **Boom Length (aircraft)** - The boom length should not exceed 3/4 of the wing length. Using shorter booms decreases drift potential. For helicopters, use a boom length and position that prevents droplets from entering the rotor vortices.
- **Boom Height (aircraft)** - Application more than 10 ft above the canopy increases the potential for spray drift.
- **Boom Height (ground)** - Setting the boom at the lowest height which provides uniform coverage reduces the exposure of droplets to evaporation and wind. The boom should remain level with the crop and have minimal bounce.

WIND

Drift potential increases at wind speeds of less than 3 mph (due to variable direction and inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type, determine drift potential at any given wind speed. AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS.

Note - Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

SURFACE TEMPERATURE INVERSIONS

Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which causes small suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are

common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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 a surface inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

SHIELDED SPRAYERS

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

RESISTANCE

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

To better manage herbicide resistance through delaying the proliferation and possible dominance of herbicide-resistant weed biotypes, it may be necessary to change cultural practices within and between crop seasons, such as using a combination of tillage, retreatment, tank mix partners, and/or sequential herbicide applications that have a different site of action. Weed escapes that are allowed to go to seed will promote the spread of resistant biotypes.

It is advisable to keep accurate records of pesticides applied to individual fields to help obtain information on the spread and dispersal of resistant biotypes. Consult your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.

INTEGRATED PEST MANAGEMENT

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

RESTRICTIONS

- Do not graze treated fields or feed treated forage or hay (harvested straw may be used for bedding and/or feed).
- Do not apply to wheat, barley, or triticale underseeded with another crop.
- Do not use on lawns, walks, driveways, tennis courts, or similar areas. Prevent drift of spray to desirable plants. Injury to or loss of adjacent sensitive crops and vegetation may result from failure to observe the following:
 - Take all necessary precautions to avoid all direct or indirect contact (such as spray drift) with non-target plants or areas.
 - Carefully observe all sprayer cleanup instructions both prior to and after using this product, as spray tank residue may damage crops other than wheat or barley.

PRECAUTIONS

- Varieties of wheat (including durum), barley, and triticale may differ in their response to various herbicides. AXION AG PRODUCTS LLC recommends that you first consult your state experiment station, university, or extension agent as to crop sensitivity to any herbicide. If no information is available, limit the initial use to a small area.

- Under certain conditions such as heavy rainfall prolonged cold weather or wide fluctuations in day/night temperatures prior to or soon after this product application temporary discoloration and/or crop injury may occur To reduce the potential of crop injury tank mix this product with 2 4 D (ester formulations perform best– see the TANK MIXTURES section of this label) and apply after the crop is in the tillering stage of growth
- This product should not be applied to wheat barley or triticale that is stressed by severe weather conditions drought low fertility water-saturated soil disease or insect damage as crop injury may result Risk of injury is greatest when crop is in the 2 to 5- leaf stage Severe winter stress drought disease or insect damage following application also may result in crop injury
- Dry dusty field conditions may result in reduced control in wheel track areas
- Injury to or loss of desirable trees or vegetation may result from failure to observe the following Do not apply drain or flush equipment on or near desirable trees or other plants or on areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage or disposal

PESTICIDE STORAGE Store product in original container only Do not contaminate water other pesticides fertilizer food or feed in storage

PRODUCT DISPOSAL Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

CONTAINER DISPOSAL

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

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

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

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

For minor spills leaks etc follow all precautions indicated on this label and clean up immediately Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes In the event of a major spill fire or other emergency call 1-800-424-9300 day or night

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product If the terms are not acceptable return the product at once unopened and the purchase price will be refunded

The Directions for Use of this product must be followed carefully It is impossible to eliminate all risks inherently associated with the use of this product Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application weather presence of other materials or other influencing factors in the use of the product which are beyond the control of AXION AG PRODUCTS LLC or Seller To the extent consistent with applicable law all such risks shall be assumed by Buyer and User and Buyer and User agree to hold AXION AG PRODUCTS LLC and Seller harmless for any claims

relating to such factors

AXION AG PRODUCTS LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use subject to the inherent risks referred to above when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or AXION AG PRODUCTS LLC and Buyer and User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW AXION AG PRODUCTS LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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Maverick Landmaster II Fallow Master RT Master and Roundup are registered trademarks of Monsanto

Pursuit Raptor Beyond and Clarity are registered trademarks of BASF Corporation

Puma Buctril Bronate Bronate Advanced and Hoelon 3EC are registered trademarks of Bayer Corporation

Puma IEC herbicide is a registered Trademark of AgrEvo USA Company

Raindrop RA is a registered trademark of Delavan

Everest is a registered trademark of Arvesta Corporation

Aim is a registered trademark of FMC Corporation

Discover is a registered trademarks of Syngenta Corporation

Stinger Curtail Curtail M Lorsban Starane + Salvo Starane + Sword Starane and WideMatch are registered trademarks of Dow AgroSciences

Bison is a registered trademark of Agrilience LLC

Banvel and Assert are registered trademarks of MicroFlo Company

Salvo and Sword are trademarks of Loveland Products Inc