

2024-09-19
2024-4077

GROUP	27	HERBICIDE
GROUP	6	HERBICIDE

AXIAL® MAXX A Herbicide

EMULSIFIABLE CONCENTRATE

COMMERCIAL - AGRICULTURAL

A post emergence broadleaf herbicide for control of annual sow thistle, cleavers, chickweed, flixweed, hempnettle, kochia, lamb's-quarters, narrow-leaved hawksbeard, redroot pigweed, round leaved mallow, scentless chamomile, shepherd's-purse, stinkweed, wild buckwheat, volunteer canola, wild mustard and suppression of Canada thistle, dandelion, horsetail, Russian thistle, white cockle in spring wheat, durum wheat and barley.

ACTIVE INGREDIENTS:

Bicyclopyrone37.5 g/L
Bromoxynil (present as octanoate ester)..... 175 g/L

Contains Cloquintocet-mexyl at 9.4 g/L as a safener

**READ THE LABEL AND ATTACHED BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

CAUTION



POISON

**SKIN IRRITANT
POTENTIAL SKIN SENSITIZER
Warning, contains the allergen soy**

REGISTRATION NO.: **35294**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **1 L to 1000 L**

Syngenta Canada Inc.
140 Research Lane, Research Park
Guelph, Ontario N1G 4Z3
Telephone: 1-877-964-3682

1.0 NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

2.0 FIRST AID

IN CASE OF POISONING, contact a physician or a poison control centre **IMMEDIATELY**. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Do not induce vomiting unless told to do so by a poison control centre 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, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes, 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 centre or doctor for treatment advice.

3.0 TOXICOLOGICAL INFORMATION

Contains petroleum distillates, vomiting may cause aspiration pneumonia. Treat symptomatically if ingested or in contact with eyes or skin.

4.0 PRECAUTIONS

KEEP OUT OF THE REACH OF CHILDREN.

Harmful if swallowed. Potential skin sensitizer. May irritate the skin.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

Do not use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields, and public buildings.

If this pest control product is to be used on a commodity that may be exported to other countries in the world and you require information on acceptable residue levels in these countries, please contact Syngenta Canada Inc. at 1-87-SYNGENTA/1-877-964-3682.

5.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear chemical-resistant coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, clean-up and repair.

For application using ground equipment: Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Gloves are not required during application within a closed cab.

For application using aerial equipment: Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Gloves are not required during application within a closed cockpit.

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Avoid contact with skin or clothing.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

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.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

While using product, do not eat, drink or use tobacco (including smoking).

6.0 ENVIRONMENTAL PRECAUTIONS

This product contains active ingredients and aromatic petroleum distillates, which are toxic to aquatic organisms.

Toxic to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

7.0 STORAGE

Store this product away from food or feed. Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area, out of the reach of children and animals. Keep away from fire or open flame, or other sources of heat. If frozen, allow to thaw and agitate thoroughly prior to use.

8.0 DISPOSAL

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial/ territorial regulatory agency. Contact the manufacturer and the provincial/ territorial regulatory agency in case of a spill, and for cleanup of spills.

FOR RECYCLABLE CONTAINERS

DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

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FOR REFILLABLE CONTAINERS

For disposal, this empty container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (FASTMED)***

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PAMPHLET

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Do not allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Avoid contact with skin or clothing.

Users should wash hands and exposed skin before eating, drinking, chewing gum, using tobacco, applying cosmetics or using the toilet.

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash splashes from skin IMMEDIATELY with plenty of water. Remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. As soon as possible, wash thoroughly and change into clean clothing. After spraying, wash hands and shower thoroughly with soap and water.

Heavily contaminated or drenched clothing and other absorbent materials contaminated with this product should be discarded. Do not reuse them.

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.

Wear freshly laundered clothes daily.

Do not wear contaminated shoes.

While using product, do not eat, drink or use tobacco (including smoking).

6.0 ENVIRONMENTAL PRECAUTIONS

This product contains active ingredients and aromatic petroleum distillates, which are toxic to aquatic organisms.

Toxic to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

This product demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

7.0 STORAGE

Store this product away from food or feed. Keep in original container, tightly closed, during storage. Store in a cool, dry, well ventilated area, out of the reach of children and animals. Keep away from fire or open flame, or other sources of heat. If frozen, allow to thaw and agitate thoroughly prior to use.

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For disposal, this empty container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. DO NOT reuse this container for any other purpose.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING,
CALL 1-800-327-8633 (FASTMED)***

9.0 PRODUCT INFORMATION

AXIAL[®] MAXX A Herbicide is a post-emergence herbicide for the selective control of annual sow thistle, cleavers, common chickweed, flixweed, hempnettle, kochia, lamb's-quarters, narrow-leaved hawk's-beard, redroot pigweed, scentless chamomile (spring seedlings only), shepherd's-purse, stinkweed, wild buckwheat, volunteer canola, wild mustard and suppression of Canada thistle, dandelion, horsetail, round-leaved mallow, Russian thistle, white cockle in all varieties of spring wheat, durum wheat and barley.

AXIAL MAXX A Herbicide uptake is rapid and fast into susceptible weeds. Leaf tissue of susceptible plants become bleached and incapable of carrying out photosynthesis with the consequence that plant growth stops, cells are ruptured, dry out and soon become necrotic.

Although AXIAL MAXX A Herbicide does not control grass weeds, AXIAL MAXX A Herbicide can be tank-mixed with a range of grass herbicides to provide broad spectrum weed control in spring wheat, durum wheat and barley. See section entitled 'TANK MIXES WITH AXIAL MAXX A Herbicide'.

10.0 DIRECTIONS FOR USE

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

This product may be tank mixed with a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Syngenta Canada Inc. at 1-87-SYNGENTA (1-877-964-3682) for information before applying any tank mix that is not specifically recommended on this label.

Syngenta Canada Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) of all potential tank-mixes under all environmental conditions or for all crop varieties. Tank mixes that are not specifically listed on this label should be tested on a small area first, under local conditions and using standard practices, to confirm the tank mix is suitable for widespread application.

To determine the physical compatibility of this product with other products, use a jar test.

Always read and follow label directions including WALES mixing order.

10.1 Ground Application

It is important to check the physical compatibility of tank mixed pesticide products in a small volume prior to filling the sprayer. Check the compatibility of tank mixes containing AXIAL MAXX A Herbicide using a jar test with proportionate amounts of mix partners, and water, before mixing in the spray tank.

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Boom height must be 60 cm or less above the crop or ground.

10.1.1 Mixing Instructions

1. Ensure that the sprayer interior is clean, then fill the spray tank with $\frac{1}{2}$ the required amount of water and engage gentle agitation. Good agitation is indicated by a rippling or rolling action on the surface of the water.
2. Add any WG or DF formulation mix partners and agitate to ensure complete mixing.
3. Add any SE or SC formulation mix partners and agitate to ensure complete mixing.
4. Add AXIAL MAXX A Herbicide (EC) herbicide and agitate to ensure complete mixing.
5. Add any additional EC formulation mix partners and agitate to ensure complete mixing.
6. Fill the tank to $\frac{3}{4}$ the required amount of water.
7. Add any solution (SN or SL) formulation mix partners and agitate to ensure complete mixing.
8. Finish filling the sprayer with water, maintaining good agitation.
9. After any break in spraying operations, agitate thoroughly before spraying again.
10. Spray the herbicide suspension the same day as mixing.
11. Do not mix, load or clean spray equipment where there is a potential to contaminate wells or aquatic systems.

When using chemical handling equipment to fill the sprayer, the following additional recommendations apply:

- WG and DF formulations are preferentially batch mixed.
- SC, SN, and SL formulations may be inducted or batch mixed.
- EC formulations are preferentially batch mixed.

10.1.2 Spraying Instructions

1. Water Volume: Apply in a spray volume of 50 - 100 L/ha OR the volume given in the crop and pest specific instructions in Section 11.3 Rate of Use, whichever is LARGER.
2. Sprayer Agitation: Use a jet agitator or liquid sparge tub which recirculates 10% or more

- of the tank per minute. **DO NOT** use an air sparger.
3. Pump: Screens should be used to protect the pump and prevent clogging. Use 16 mesh or *coarser* screens on the suction side of the pump. **DO NOT** place a screen in the recirculation line. Use 100 mesh or *coarser* screens between the pump and boom unless directed otherwise by the sprayer manufacturer.
 4. Spray Nozzles: 80° or 110° drift reducing flat fan (e.g. those with a pre-orifice or turbulence chamber) or air induction nozzles are recommended. Use 50 mesh nozzle screens. **DO NOT** use flood type nozzles, controlled droplet application equipment, spray foils or hollow cone nozzles.
 5. Pressure: As recommended by the nozzle manufacturer to achieve ASAE medium sized droplets.
 6. Apply at uniform speed and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to avoid potential crop injury from over application.

10.1.3 Equipment Clean-Up

Before Spraying

- Prior to using AXIAL MAXX A Herbicide, ensure that the spray tank, lines and filter are thoroughly clean.

After Spraying

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow AXIAL MAXX A Herbicide residue to dry within the spray tank.
- When using tank mixes, consult the tank-mix partner label for additional clean-up instructions.
- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean the sprayer near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsate in accordance with provincial regulations.

10.2 Aerial Application

Aerial application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply when wind speed is greater than 16 km/h at flying height at the site of application. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length **MUST NOT** exceed 65% of the wingspan or rotorspan.

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions, and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. When no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the National Aerial Pesticide Application Manual, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-87-SYNGENTA (1-877-964-3682) or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

Volume: Apply at the recommended rate in a minimum spray volume of 30 litres per hectare.

10.2.1 Ground Crew Precautions

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

It is important to check the physical compatibility of tank mixed pesticide products in a small volume prior to filling the sprayer. Check the compatibility of tank mixes containing AXIAL MAXX A Herbicide using a jar test with proportionate amounts of mix partners, and water, before mixing in the spray tank.

10.2.2 Mixing Instructions

Mixing this product directly in the aircraft hopper **IS NOT** permitted. The use of chemical handling or managing equipment to load the hopper **IS** required. This product **SHOULD NOT BE** inducted into a hopper which is prefilled with water or when the product and water are mixed prior to entering the hopper. This product **MAY BE** batch mixed and pumped into the hopper. In all cases the chemical handling equipment and hopper interior must be clean prior to use.

NOTE: WG and DF formulations are preferentially batch mixed.

NOTE: SC, SN, and SL formulations may be inducted or batch mixed.

NOTE: EC formulations are preferentially batch mixed.

It is **NOT** recommended to combine solid (WG or DF) formulations with liquid tank mix partners within a single batch. Batch mix WG or DF formulations first, pump into the hopper, and then add liquid tank mix partners by induction or as an additional batch mix. When tank mixing multiple products, follow the mixing order outlined below:

1. Pump water into the hopper to at least $\frac{1}{4}$ to $\frac{1}{2}$ of the desired spray volume. Engage hopper circulation, if possible.
2. Thoroughly batch mix any WG or DF formulation mix partners and agitate to ensure complete mixing. Pump into the hopper.
3. Induct or thoroughly batch mix any additional SE or SC formulations.

4. Thoroughly batch mix AXIAL MAXX A Herbicide and any EC formulation mix partners. EC formulations may be added to the batch from Step 3, if desired.
5. Induct or thoroughly batch mix any solution (SN or SL) formulation mix partners. SN/SL formulations may be added to the batch from Step 3, if desired.
6. Pump batch mixed SC, EC, and/or SN/SL products into the hopper.
7. Finish filling the hopper with water.
8. If it was not possible to engage hopper agitation in Step 1, do so as soon as possible once airborne.
9. Spray the pesticide suspension the same day as mixing.
10. Do not mix, load or clean equipment where there is a potential to contaminate wells or aquatic systems.

10.2.3 Spraying Instructions

1. Water Volume: Apply in a minimum spray volume of 30 L/ha OR the volume given in the crop and pest specific instructions in Section 11.3 Rate of Use, whichever is LARGER.
2. Spray Nozzles: Use only ASAE medium or coarse nozzles rated as delivering droplets of volume median diameter of 300 microns or greater.
3. Pressure: As recommended by the nozzle manufacturer to achieve ASAE coarse or medium sized droplets.
4. Ensure hopper agitation is engaged whenever possible during flight.

10.2.4 Equipment Clean-Up

Before Spraying

- Prior to using AXIAL MAXX A Herbicide, ensure that the hopper, chemical handling equipment, lines and filter are thoroughly cleaned.

After Spraying

- Thoroughly clean application equipment immediately after spraying. **DO NOT** allow AXIAL MAXX A Herbicide residue to dry within application equipment.
- When using tank mixes, consult the tank-mix partner label for additional clean-up instructions.
- The following recommendations are provided:
 1. Drain and flush tank walls, boom and all hoses for ten minutes with a clean water/detergent mixture. Rinse with clean water. **DO NOT** clean application equipment near desirable vegetation, wells or other water sources.
 2. Remove all nozzles and screens and wash separately.
 3. Dispose of all rinsate in accordance with provincial regulations.

10.2.5 Pilot Precautions

Suggested conditions for good aerial application are moderate temperatures (less than 25°C) and moderate relative humidity (greater than 40%). Light winds at altitude of 3-16 km/h are preferred, with 3-9 km/h considered optimal.

10.2.6 Product Specific Comments

One application per year is permitted.

Observe a minimum interval to harvest of 60 days after treatment for grain and straw and of 30 days after treatment for forage and hay.

Do not apply on any crop other than spring wheat, durum wheat and barley as crop damage will result. Do not allow spray to drift to adjacent fields seeded to crops other than spring wheat, durum wheat and barley. Do not treat spring wheat, durum wheat and barley under-seeded to forages.

10.3 Spray Buffer Zones

A spray buffer zone is NOT required for:

- uses with hand-held application equipment permitted on this label.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrub-lands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop		Spray Buffer Zones (metres) Required for the Protection of:				Terrestrial Habitat
			Freshwater Habitat of Depths:		Estuarine / Marine Habitats of Depths:		
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Spring wheat, durum wheat, and barley		1	0	1	0	3
Aerial	Spring wheat, durum wheat, and barley	Fixed wing	10	0	1	0	125
		Rotary wing	10	0	1	0	100

When tank mixes are permitted, consult the labels of the tank-mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

10.4 Rotational Crop Information

Follow the crops and replanting interval which appear on this label in order to avoid the possibility of injury to the following crops after the application of AXIAL MAXX A Herbicide. If tank mixing, always follow the most restrictive re-cropping interval on the label.

CROP	RE-CROPPING INTERVAL
Alfalfa Canola Chickpeas Flax Mustard Potato Soybeans Barley Oats Wheat, spring and durum Field peas*	10 months
Dry beans Lentils	22 months

*Field peas may be grown the year following AXIAL MAXX A Herbicide application providing the following are met:

1. Precipitation must be equal to or above 10-year average (min. 100 mm within 60 days of application in the year of application).
2. Organic matter must be above 2.5%.
3. Soil pH must be above 6.0.

11.0 CROP USE DIRECTIONS

11.1 Weeds Controlled

annual sow thistle, cleavers, common chickweed, flixweed, hempnettle, kochia, lamb's-quarters, narrow-leaved hawk's-beard, redroot pigweed, scentless chamomile (spring seedlings only), shepherd's-purse, stinkweed, wild buckwheat, volunteer canola, wild mustard and suppression of Canada thistle, dandelion, horsetail, round-leaved mallow, Russian thistle, white cockle.

11.2 Timing of Application

CROP*	GROWTH STAGE
SPRING WHEAT DURUM WHEAT BARLEY	2 leaf to 6 leaf stage on the main stem (up to 3 tillers)
* When tank-mixing with a grass herbicide, always refer to the label of the grass partner prior to use.	

BROADLEAF WEEDS – CONTROL	RECOMMENDED STAGE
Annual Sow Thistle	1 to 6-leaf stage
Cleavers	1 to 6 whorls
Common Chickweed	1 to 6-leaf stage
Flixweed	Up to 10 cm in height
Hempnettle	1 to 6-leaf stage
Kochia	Up to 10 cm in height
Lamb's-quarters	1 to 6-leaf stage
Narrow-leaved Hawk's-beard	Up to 15 cm in height
Redroot pigweed	1 to 6-leaf stage
Scentless Chamomile*	Up to 15 cm in height
Shepherd's-purse	1 to 6-leaf stage
Stinkweed	1 to 6-leaf stage
Wild Buckwheat	1 to 6-leaf stage
Volunteer Canola	1 to 6-leaf stage
Wild mustard	1 to 6-leaf stage
Broadleaf Weeds - Suppression	Recommended Stage
Canada Thistle	Up to 30 cm in height
Dandelion	Up to 10 cm in height and 25 cm in diameter
Horsetail	10 – 15 cm in height
Round-leaved Mallow	1 to 6-leaf stage
Russian Thistle	Up to 10 cm in height
White Cockle	Up to 15 cm in height

* spring seedlings only

For optimum results, apply AXIAL MAXX A Herbicide to actively growing weeds. An early application will maximize crop yields by reducing weed competition. Weeds emerging after application of AXIAL MAXX A Herbicide will not be controlled.

Weed control following application of AXIAL MAXX A Herbicide alone or in combination with grass weed herbicides, can be reduced or delayed under stress conditions such as drought, heat, insufficient fertility, flooding or prolonged cool temperatures. Optimum weed control will be obtained if application of AXIAL MAXX A Herbicide is delayed until the stress conditions have ended and weeds are once again actively growing.

Do not apply to crop that is stressed by conditions such as frost, low fertility, drought, flooding, disease or insect damage as crop injury may result.

11.3 Rate of Use

Apply the recommended rate of AXIAL MAXX A Herbicide in 50-100 L of water per hectare for ground application and in a minimum of 30 L of water per hectare for aerial application. No adjuvant is required. **When tank-mixing AXIAL MAXX A Herbicide with a tank-mix partner, ensure you read the tank-mix partner label for minimum water recommendations.**

Total application rates of cloquintocet-mexyl from the use of AXIAL MAXX A Herbicide and any proposed tank-mix partner containing cloquintocet-mexyl should not exceed **45 g safener/ha/season.**

CROP	WEEDS CONTROLLED	USE RATES	
SPRING WHEAT DURUM WHEAT BARLEY	ANNUAL SOW THISTLE, CLEAVERS, COMMON CHICKWEED, FLIXWEED, HEMPNETTLE, KOCHIA, LAMB'S-QUARTERS, NARROW-LEAVED HAWK'S-BEARD, REDROOT PIGWEED, ROUND-LEAVED MALLOW ¹ , SCENTLESS CHAMOMILE ² , SHEPHERD'S-PURSE, STINKWEED, WILD BUCKWHEAT, VOLUNTEER CANOLA, WHITE COCKLE ¹ , WILD MUSTARD, CANADA THISTLE ¹ , DANDELION ¹ , HORSETAIL ¹ , RUSSIAN THISTLE ¹	AXIAL MAXX A Herbicide	1000 mL/ha; 405 mL/acre

¹ suppression only

² spring seedlings only

11.4 Tank Mixes with AXIAL MAXX A Herbicide

For broad spectrum weed control of broadleaf weeds and annual grasses, when tank-mixing, please refer to section 10.1.1 Mixing Instructions for ground application instructions and to section 10.2.2 Mixing Instructions for aerial application instructions. Also refer to the 'RATE OF USE' section of the label.

Tank-Mix Partner	Product Rates	
	mL/ha	mL/acre
AXIAL®	1200	500
AXIAL XTREME	1200	500
BROADBAND®	650 + 700 ADIGOR®	263 + 283 ADIGOR
TRAXOS®	1200	500
Everest® 3.0	95-144	39 - 58
Simplicity®	500	200
Varro®	500	200

Temporary crop injury may occur with tank-mixes under extreme weather conditions or when the crop is suffering from stress due to inadequate or abnormally high moisture levels or extreme temperatures.

12.0 RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, AXIAL MAXX A Herbicide is a Group 27 and 6 herbicide. Any weed population may contain or develop plants naturally resistant to AXIAL MAXX A Herbicide and other Group 27 and 6 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

Where possible, rotate the use of AXIAL MAXX A Herbicide or other GROUP 27 or 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 when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.

Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates, precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.

Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.

Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.

Contact your local extension specialist or certified crop advisors for any 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 Company representatives at 1-877-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

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