PINOXADEN | GROUP 1 | HERBICIDE

PULL HERE TO OPEN

Axial® XL Herbicide

syngenta®

Postemergence herbicide for control of grass weeds in wheat and barley

Active Ingredient:	
Pinoxaden*	5.05%
Other Ingredients:	94.95%
Total:	100.00%

*CAS No. 243973-20-8

Contains petroleum distillates.

Axial XL Herbicide contains 0.42 lb of pinoxaden active ingredient per gallon.

KEEP OUT OF REACH OF CHILDREN.

WARNING/AVISO

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

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1256

EPA Est. 100-NE-001

SCP 1256A-L1J 0522
4158759

2.56 gallons

Net Contents

®

FIRST AID	
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	• 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 treatment advice.
If swallowed	• Immediately call a poison control center or doctor. • **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. • **DO NOT** give **any** liquid to the person. • **DO NOT** give anything by mouth to an unconscious person.
If 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 center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
Note to Physician Contains petroleum distillates – vomiting may cause aspiration pneumonia.	
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call **1-800-888-8372**	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING/AVISO

Causes skin irritation. **DO NOT** get on skin or clothing. Causes moderate eye irritation. Avoid contact with eyes. Harmful if swallowed or inhaled. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

Some materials that are chemical resistant to this product are listed below.

Applicators and other handlers must wear:

- Coveralls worn over short-sleeved shirt and long pants
- Socks and chemical-resistant footwear
- Chemical-resistant gloves, such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton™ ≥14 mils

continued…

PRECAUTIONARY STATEMENTS *(continued)*

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.

When mixing or loading wear a chemical resistant apron. For overhead exposure wear chemical-resistant headgear. When cleaning equipment wear a chemical-resistant apron.

Engineering Control Statements

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

User Safety Recommendations

Users should:

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

Environmental Hazards

This product is toxic to oysters. For terrestrial uses: **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment wash water or rinsate.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

Physical or Chemical Hazards

DO NOT use or store near heat or open flame.

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 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

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

Axial XL Herbicide may be used only in accordance with directions on this label or in separately published Syngenta supplemental labeling directions for this product.

DO NOT apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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 48 hours.

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

- Coveralls worn over short-sleeved shirt and long pants
- Socks and chemical-resistant footwear
- Chemical-resistant gloves, such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton ≥14 mils

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY AND/OR POOR WEED CONTROL.

PRODUCT INFORMATION

Axial XL Herbicide is a systemic, postemergence herbicide for the control of several grass weed species in all varieties of spring wheat (excluding durum), winter wheat, and barley.

Axial XL Herbicide is rapidly absorbed by weed foliage and translocated to the growing points of leaves and stems where it inhibits the acetyl CoA carboxylase (ACCase) enzyme. Susceptible weed species generally stop growing within 48 hours of treatment, turn yellow within one to three weeks, and are completely controlled within three to five weeks. Level and rate of control depend on weed species, growing conditions, crop competition, and coverage. Thorough spray coverage of target weeds is essential for consistent control.

Although Axial XL Herbicide does not control broadleaf weeds, it can be tank mixed with a wide range of broadleaf herbicides to provide broad-spectrum one-pass weed control. It can also be tank mixed with Tilt® Fungicide, Quilt® Fungicide, Warrior II with Zeon Technology®, and Karate® with Zeon Technology™. See the section entitled **Tank Mixes of Axial XL Herbicide with Broadleaf Weed Herbicides, Fungicides, Insecticides and Liquid Nitrogen Fertilizers.** Herbicides not listed on this label for tank mixing with Axial XL Herbicide may be applied sequentially. For optimum results, apply Axial XL Herbicide first and allow at least 4 days after application of Axial XL Herbicide before applying these herbicides sequentially.

Weeds Controlled

Axial XL Herbicide controls green foxtail, yellow foxtail, giant foxtail, wild oat, volunteer oat, Persian darnel, Italian (annual) ryegrass, barnyardgrass, canarygrass, wild proso millet, and windgrass.

Use Rates

Apply the specified rate of Axial XL Herbicide using ground or aerial equipment, in a minimum of 5 gal of water per acre (see **Ground and Aerial Application Procedures** section for additional information).

WEEDS CONTROLLED[A]	USE RATE	
Wild oat, *Avena fatua* Volunteer oat, *Avena sativa* Green foxtail, *Setaria viridis* Yellow foxtail, *Setaria glauca* Giant foxtail, *Setaria faberi* Italian (annual) ryegrass, *Lolium multiflorum* Persian darnel, *Lolium persicum* Barnyardgrass, *Echinochloa crus-galli* Canarygrass, *Phalaris* spp. Wild proso millet, *Panicum miliaceum* Windgrass, *Apera* spp.	Axial XL Herbicide	16.4 fl oz/A

[A]When tank mixing broadleaf herbicides, refer to **Tank Mixes of Axial XL Herbicide with Broadleaf Weed Herbicides, Fungicides, Insecticides and Liquid Nitrogen Fertilizers** section for exceptions and additional information on weeds controlled.

Resistance Management

PINOXADEN	GROUP	1	HERBICIDE

For resistance management, Axial Herbicide is a Group 1 herbicide (ACCase-inhibitor mode of action). Some naturally occurring grass weed populations have been identified as resistant to herbicides with the ACCase-inhibitor mode of action. Any weed population may contain or develop plants naturally resistant to Axial Herbicide and other Group 1 herbicides. Selection of resistant biotypes, through repeated use of these herbicides in the same field or lower than labeled use rates, may result in weed control failures. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed. If resistance is suspected, contact your local Syngenta representative and/or agricultural advisor for assistance.

Principles of Herbicide Resistant Weed Management

Scout and know your field

- Know weed species present in the field to be treated through scouting and field history. An understanding of weed biology is useful in designing a resistance management strategy. Ensure the weed management program will control all weeds present.
- Fields should be scouted prior to application to determine species present and growth stage. Always apply this herbicide at the full labeled rate and correct timing for the weeds present in the field.

Utilize non-herbicidal practices to add diversity

- Use diversified management tactics including cover crops, mechanical weed control, harvest weed seed control, and crop rotation as appropriate.

Use good agronomic practices, start clean and stay clean

- Use good agronomic practices that enhance crop competitiveness.
- Plant into weed-free fields utilizing tillage or an effective burndown herbicide for control of emerged weeds.
- Sanitize farm equipment to avoid spreading seed or vegetative propagules prior to leaving fields.

Difficult to control weeds

- Fields with difficult to control weeds should be planted in rotation with crops that allow the use of herbicides with an alternative mode of action or different management practices.
- Difficult to control weeds may require sequential applications, for example a broad spectrum preemergence herbicide followed by one or more postemergence herbicide applications. Utilize herbicides containing different modes of action effective on the target weeds in sequential applications.

DO NOT overuse the technology

- **DO NOT** use more than two applications of this or any other herbicide with the same mode of action in a single growing season unless mixed with an herbicide with a different mode of action which provides overlapping spectrum for the difficult to control weeds.

Scout and inspect fields following application

- Prevent an influx of weeds into the field by controlling weeds in field borders.
- Scout fields after application to verify that the treatment was effective.
- Suspected- herbicide resistant weeds may be identified by these indicators
    - Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
    - A spreading patch of non-controlled plants of a particular weed species; and
    - Surviving plants mixed with controlled individuals of the same species.
- Report non-performance of this product to your Syngenta retailer, Syngenta representative, or call 1-866-Syngent(a) (866-796-4368). If resistance is suspected ensure weed escapes are controlled using an herbicide with an effective mode of action and/or use non-chemical means to prevent further seed production.

Prevent weed escapes before, during, and after harvest

- **DO NOT** allow weed escapes to produce seed or vegetative structures for example tubers or stolons which contribute to spread and survival. Consider harvest weed seed management and control weeds post-harvest to prevent seed production.

Resistant weeds

Contact your local Syngenta representative, retailer, crop advisor or extension agent to determine if weeds resistant to the mode of action contained in this product are present in your area. Premixes are intended to broaden the spectrum of weeds that are controlled. Some weeds may be controlled by only one of the active ingredients in this product. If resistant biotypes have been reported, use the full labeled rate of this product, apply at the labeled timing, and tank-mix with an additional different mode of action product so there are multiple effective modes of application for each suspected resistant weed.

Rotational Crop Restrictions

The following crops may be planted at the specified interval following application of Axial XL Herbicide.

Crop	Rotational Interval
Wheat (including Durum) and Barley	0 days
Leafy and Root Crops	30 days
Other Cereal Grains and All Other Crops	90 days

APPLICATION PROCEDURES

Timing of Application

Apply Axial XL Herbicide to all varieties of spring wheat (excluding durum), winter wheat, and barley from the 2-leaf stage to pre-boot stage. Refer to the **Crop Use Directions** section for grazing and harvest restrictions.

*Precaution: **DO NOT** apply to a crop that is stressed by conditions such as frost, low fertility, drought, flooding, disease damage, or insect damage, as crop injury may result.*

When tank mixing with a broadleaf herbicide, insecticide or fungicide, always refer to the label of the tank-mix partner prior to use.

For optimum results, apply Axial XL Herbicide to actively growing weeds. An early application will maximize crop yields by reducing weed competition. Weed control following application of Axial XL Herbicide alone or in combination with broadleaf herbicides can be reduced or delayed under conditions of stress, such as drought, heat, insufficient fertility, flooding, and prolonged cool temperatures. Grass escapes or re-tillering may occur if application is made during prolonged conditions of stress. Optimum weed control will be obtained if application of Axial XL Herbicide is delayed until the conditions of stress have ended and weeds are once again actively growing. Weeds emerging after Axial XL Herbicide application will not be controlled.

TIMING OF APPLICATION TO WEEDS

Weed	Leaves on Main Stem	Tillers
Persian Darnel Volunteer Oat Wild Oat	1 to 6-leaf stage on main stem	Prior to emergence of the 4th tiller.
Giant Foxtail Green Foxtail Yellow Foxtail Italian (Annual) Ryegrass Barnyardgrass Canarygrass Wild Proso Millet Windgrass	1 to 5-leaf stage on main stem	For optimum control, apply prior to emergence of the 3rd tiller and while weeds are actively growing.

Rainfastness

Axial XL Herbicide applied alone is not affected by rain falling 30 minutes or more after application.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- Do not release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a medium or coarser droplet size (ASABE S572).
- If the windspeed is 10 miles per hour or less, applicators must use ½ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use ¾ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during ground level temperature inversions.

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

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

IMPORTANCE OF DROPLET SIZE

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

Controlling Droplet Size – Ground Boom

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

Controlling Droplet Size – Aircraft

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

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

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

TEMPERATURE AND HUMIDITY

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

TEMPERATURE INVERSIONS

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

WIND

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

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

Sensitive Areas

This pesticide may only be applied when the potential for drift to adjacent sensitive areas, e.g., residential areas, bodies of water, non-target plants is minimal, (i.e., when the wind is blowing away from the sensitive area.)

Avoid all direct or indirect contact (such as spray drift) of Axial XL Herbicide with crops other than those specified for treatment on this label, since injury may occur.

Chemigation

DO NOT apply this product through any type of irrigation system.

MIXING PROCEDURES

Mixing Instructions

1. Clean spray tank and half fill with clean water. Start agitation or bypass system.
2. If a broadleaf herbicide is to be used, add the product **FIRST**, prior to adding Axial XL Herbicide and agitate for 2-3 minutes.
3. Add correct amount of Axial XL Herbicide and agitate for 2-3 minutes.
4. Add remainder of water and then maintain constant agitation.
5. After any break in spraying operations, agitate thoroughly before spraying again.
6. **Use the spray solution as soon as it is prepared.**

Sprayer Cleanup

Prior to using Axial XL Herbicide, ensure that the spray tank, lines and screens and filters are thoroughly clean.

Thoroughly clean application equipment immediately after spraying Axial XL Herbicide. Ensure that all traces of the product are removed. The following directions are provided:

1. Drain and flush tank walls, boom, and all hoses for 10 minutes with clean water. **DO NOT** clean the sprayer near desirable vegetation, wells, or other water sources.
2. Remove the nozzles and screens and wash separately.
3. Dispose of all rinsates in accordance with state and local regulations.
4. If a broadleaf herbicide, insecticide, or fungicide tank-mix partner is used, always check tank-mix partner label for any additional cleanup procedures.

CROP USE DIRECTIONS

Wheat and Barley

Axial XL Herbicide can be used on all varieties of spring wheat (excluding durum), winter wheat, and barley. **DO NOT** allow spray to drift to adjacent fields seeded to crops other than wheat or barley. **DO NOT** treat wheat or barley underseeded to forages.

- Make one application per crop season, not to exceed 16.4 fl oz of Axial XL Herbicide per acre per 12 consecutive months.
- **DO NOT** graze livestock or harvest forage for hay from treated wheat and barley for a minimum of 30 days following application.
- **DO NOT** harvest grain for 60 days following application.
- Wheat and barley straw may be fed to livestock 60 days after application.

Tank Mixes of Axial XL Herbicide with Broadleaf Weed Herbicides, Fungicides, Insecticides and Liquid Nitrogen Fertilizers

For broad-spectrum control of annual grass and broadleaf weeds, tank mix Axial XL Herbicide with one of the broadleaf herbicides or broadleaf herbicide combinations listed in the following table. Consult the label of the tank-mix partner for a list of broadleaf weeds controlled, rates, application timing, recropping restrictions, grazing interval restrictions, directions for use, and precautions. Use in accordance with the most restrictive of label limitations and precautions. **DO NOT** exceed label dosage rates. This product cannot be mixed with any other product whose label prohibits such a mixture.

Table 1: For control of wild oat, volunteer oat, green foxtail, yellow foxtail, Italian (annual) ryegrass, and broadleaf weeds (refer to the broadleaf tank-mix partner label for weeds controlled), use Axial XL Herbicide at 16.4 fl oz/A plus one of the following single or two-way broadleaf herbicide combinations. Broadleaf herbicide combinations other than those listed in the table below are not recommended.

SELECT ONLY ONE BROADLEAF HERBICIDE TANK-MIX COMBINATION LISTED IN THE TABLE BELOW

Broadleaf Herbicide[A]	Rate	Weeds Controlled by Axial XL Herbicide at 16.4 fl oz/A*				
		Wild Oat	Volunteer Oat	Green Foxtail	Yellow Foxtail	Italian Ryegrass
Affinity™ BroadSpec[B]	0.4-0.6 oz/A	C	C	S	C	C
Affinity™ TankMix[B] + Bronate® Advanced	0.6 oz/A + 0.6-0.8 pt/A	C	C	--	S	C
Affinity TankMix[B] + MCPA Ester[F]	0.6 oz/A + 0.5-0.75 pt/A	C	C	C	C	C
Affinity TankMix[B] + Starane®	0.6 oz/A + 0.5-0.67 pt/A	C	C	S	S	C
Affinity TankMix[B] + WideMatch™	0.6 oz/A + 1 pt/A	C	C	C	C	C
Ally® XP[B]	0.1 oz/A	C	C	--	--	C
Amber®[B]	0.28-0.47 oz/A	C	C	--	--	C
Bronate Advanced[C]	0.6-1.2 pt/A	C	C	C	C	C
Buctril®[D]	0.75-1.5 pt/A	C	C	C	C	C
Buctril[D] + MCPA Ester[F]	0.75-1.5 pt/A + 0.5-0.75 pt/A	C	C	C	C	C
Curtail™ M	1.75 pt/A	C	C	C	--	--
Express® XP[B]	0.25-0.33 oz/A	C	C	S	S	C
Express XP[B] + MCPA ester[F]	0.25-0.33 oz/A + 0.5-0.75 pt/A	C	C	S	S	C
Finesse®[B]	0.2-0.4 oz/A	C	C	--	--	C
Harmony® Extra XP[B]	0.3-0.6 oz/A	C	C	C	C	C
Harmony Extra XP[B] + MCPA Ester[F]	0.3-0.5 oz/A + 0.5-0.75 pt/A	C	C	C	C	C
Harmony® SG[B]	0.45-0.9 oz/A	C	C	C	C	C
Harmony SG[B,E] + Bronate Advanced[E]	0.45-0.75 oz/A + 0.6-1 pt/A	C	C	--	--	C
Harmony SG[B] + Buctril	0.45-0.75 oz/A + 0.75-1.5 pt/A	C	C	--	--	C

continued...

Broadleaf Herbicide[A]	Rate	Weeds Controlled by Axial XL Herbicide at 16.4 fl oz/A*				
		Wild Oat	Volunteer Oat	Green Foxtail	Yellow Foxtail	Italian Ryegrass
Harmony SG[B] + MCPA Ester[F]	0.45-0.75 oz/A + 0.5-0.75 pt/A	C	C	C	C	C
Huskie™[B]	11-13 fl oz/A	C	C	C	C	C
Hat Trick® Threeway	1.5 pt/A	C	C	C	C	C
MCPA Ester[F]	0.5-0.75 pt/A	C	C	C	C	C
Orion™[B]	17 oz/A	C	C	C	C	C
Orion[B] + Buctril	17 oz/A + 1 pt/A	C	C	S	C	C
Orion[B] + Starane	17 oz/A + 0.5-0.67 pt/A	C	C	C	C	C
Orion[B] + Stinger®	17 oz/A + 0.33 pt/A	C	C	C	C	C
Peak®[B]	0.25-0.5 oz/A	C	C	C	C	C
Peak[B] + Bronate Advanced	0.25-0.5 oz/A + 0.6-0.8 pt/A	C	C	S	C	C
Peak[B] + MCPA ester[F]	0.25-0.5 oz/A + 0.5-0.75 pt/A	C	C	C	C	C
Peak[B] + Starane	0.25-0.5 oz/A + 0.5-0.67 pt/A	C	C	-	-	C
Pulsar™	8.3-12.5 fl oz/A	C	C	C	C	C
Pulsar + Affinity TankMix[B]	8.3-12.5 fl oz/A + 0.6 oz/A	C	C	C	C	C
Pulsar + Amber[B]	8.3-12.5 fl oz/A + 0.28 oz/A	C	C	C	C	C
Pulsar + MCPA ester[F]	8.3-12.5 fl oz/A + 8.6 fl oz/A	C	C	C	C	C
Pulsar + Peak[B]	8.3-12.5 fl oz/A + 0.25 oz/A	C	C	C	C	C
Starane	0.5-0.67 pt/A	C	C	C	C	C
Starane + Bronate Advanced[C]	0.5-0.67 pt/A + 0.6-1 pt/A	C	C	C	C	C
Starane + Harmony Extra XP[B]	0.5-0.67 pt/A + 0.3-0.4 oz/A	C	C	C	--	C
Starane + Harmony SG[B]	0.5-0.67 pt/A + 0.45-0.75 oz/A	C	C	C	C	C
Starane® + Sword®[G]	1.125 pt/A	C	C	C	C	C
Starane NXT	14 fl oz/A	C	C	C	C	C
WideMatch™	1 pt/A	C	C	C	C	C
WideMatch + Harmony SG[B]	1 pt/A + 0.45-0.6 oz/A	C	C	C	C	C
WideMatch + MCPA Ester[F]	1 pt/A + 0.5-0.75 pt/A	C	C	C	C	C

*C = Control; S = Suppression (indicates "Partial Control" which means significant activity but not always at a level generally considered acceptable for commercial weed control).

[A] Other products that contain equivalent active ingredient(s) and used at the same active ingredient rate(s) as the broadleaf herbicide tank-mix partner listed in this table may be used.

[B] Addition of surfactants is not required.

[C] **DO NOT** exceed 0.8 pt/A of Bronate Advanced in a tank mix for control of Italian (annual) ryegrass, green foxtail, or yellow foxtail.

[D] **DO NOT** exceed 1.25 pt/A of Buctril in a tank mix for control of Italian (annual) ryegrass, green foxtail, or yellow foxtail.

[E] **DO NOT** exceed 0.6 oz/A of Harmony SG + 0.8 pt/A of Bronate Advanced for Italian ryegrass control.

[F] Assume 3.7 lb ae/gal product.

[G] Starane + Sword Herbicide, EPA Reg. No. 62719-307.

When tank mixing, add the broadleaf herbicide(s) to the spray tank first followed by Axial XL Herbicide.

Precaution: 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.

Note: Tank mixing is not recommended with any chemical additives, pesticides, or fertilizers that are not recommended on this label or other Syngenta labeling or recommendations made by Syngenta as reduced annual grass control and/or crop injury may occur. Herbicides not listed for tank mixing on this Axial XL label, or other Syngenta labeling or recommendations made by Syngenta may be applied sequentially. For optimum results, apply Axial XL Herbicide first and allow at least 4 days after application of Axial XL Herbicide before applying these herbicides sequentially.

Tank-Mix Application with Tilt Fungicide

Axial XL Herbicide may be tank mixed with Tilt Fungicide for annual grass and disease control. Apply Axial XL Herbicide at 16.4 fl oz/A in a tank mix with Tilt Fungicide at labeled use rates. Refer to the Tilt Fungicide label for specific use directions, application rates, restrictions, and a list of diseases controlled.

Tank-Mix Application with Quilt Fungicide

Axial XL Herbicide may be tank mixed with Quilt Fungicide for annual grass control and early season disease suppression. Apply Axial XL Herbicide at 16.4 fl oz/A in a tank mix with Quilt Fungicide at 7 fl oz/A. Refer to the Quilt Fungicide label for specific use directions, restrictions, and a list of diseases suppressed and/or controlled. **Note:** Under certain environmental conditions, tank mixes of Quilt Fungicide plus herbicides may cause crop injury.

Tank-Mix Application with Warrior II with Zeon Technology

Axial XL Herbicide may be tank mixed with Warrior II with Zeon Technology for annual grass and insect control. Apply Axial XL Herbicide at 16.4 fl oz/A in a tank mix with Warrior II with Zeon Technology at labeled use rates. Refer to the Warrior II with Zeon Technology label for specific use directions, application rates, restrictions, and a list of insects controlled.

Tank-Mix Application with Karate with Zeon Technology

Axial XL Herbicide may be tank mixed with Karate with Zeon Technology for annual grass and insect control. Apply Axial XL Herbicide at 16.4 oz/A in a tank mix with Karate with Zeon Technology at labeled use rates. Refer to the Karate with Zeon Technology label for specific use directions, application rates, restrictions, and a list of insects controlled.

Mixtures with Liquid Nitrogen Fertilizers

Axial XL Herbicide may be mixed in a spray solution containing up to 50% liquid nitrogen fertilizer. Add Axial XL Herbicide to the water first. Mix thoroughly, then add the liquid nitrogen fertilizer in an amount no greater than 50% of the final volume. **Note:** Under certain environmental conditions, mixtures of liquid nitrogen fertilizers as a partial carrier may cause crop burn.

When using Axial XL Herbicide with listed herbicide tank-mix partners, consult the label of the partner product and follow any additional instructions or restrictions on that label which relate to mixture with liquid nitrogen fertilizers.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage

Store in a cool, dry place. **DO NOT** store near seeds, fertilizers, or foodstuffs.

Pesticide Disposal

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

Container Handling

For containers equal to or less than 5 gallons:

Non-refillable 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 and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

For containers greater than 5 gallons:

Refillable container. Refill this container with pesticide only. **DO NOT** use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. If the container is damaged, leaking, or obsolete, contact Syngenta Crop Protection, LLC, at 1-800-888-8372.

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 1-800-888-8372, day or night.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

Amber®, Axial®, Discover®, Karate® with Zeon Technology™, Peak®, Pulsar™, Orion™, Quilt®, Tilt®, Warrior II with Zeon Technology®, the ALLIANCE FRAME  the SYNGENTA Logo and the PURPOSE ICON  are Trademarks of a Syngenta Group Company.

Affinity™, Ally®, Express®, Finesse®, and Harmony® trademarks of E.I. du Pont de Nemours and Company

Viton™ is a trademark of The Chemours Company FC, LLC

Buctril®, Bronate®, and Huskie™ trademarks of Bayer CropScience

Curtail™ M, Starane®, Starane® + Sword®, Stinger® and WideMatch™ trademarks of Dow AgroSciences, LLC

Hat Trick® trademark of Loveland Products, Inc.

©2022 Syngenta

For non-emergency (e.g., current product information), call
Syngenta Crop Protection at 1-800-334-9481

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1256A-L1J 0522
4158759

PINOXADEN | GROUP 1 | HERBICIDE

Axial® XL Herbicide

Postemergence herbicide for control of grass weeds in wheat and barley

Active Ingredient:	
Pinoxaden*	5.05%
Other Ingredients:	94.95%
Total:	100.00%

*CAS No. 243973-20-8

Contains petroleum distillates.

Axial XL Herbicide contains 0.42 lb of pinoxaden active ingredient per gallon.

See additional precautionary statements and directions for use inside booklet.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1256
EPA Est. 100-NE-001

Axial® XL and the SYNGENTA Logo are Trademarks of a Syngenta Group Company.

©2022 Syngenta

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1256A-L1J 0522
4158759

(01) 0 07 02941 33289 8

KEEP OUT OF REACH OF CHILDREN.

WARNING/ AVISO

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

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING/AVISO

Causes skin irritation. **DO NOT** get on skin or clothing. Causes moderate eye irritation. Avoid contact with eyes. Harmful if swallowed or inhaled. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in eyes: 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 treatment advice.

If swallowed: Immediately call a poison control center or doctor. **DO NOT** induce vomiting unless told to do so by a poison control center or doctor. **DO NOT** give **any** liquid to the person. **DO NOT** give anything by mouth to an unconscious person.

If 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 center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Note to Physician: Contains petroleum distillates – vomiting may cause aspiration pneumonia.

HOTLINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call **1-800-888-8372**.

Environmental Hazards

This product is toxic to oysters. For terrestrial uses: **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment wash water or rinsate.

NON-TARGET ORGANISM ADVISORY STATEMENT: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

Physical or Chemical Hazards

DO NOT use or store near heat or open flame.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place. **DO NOT** store near seeds, fertilizers, or foodstuffs.

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

Container Handling

For containers equal to or less than 5 gallons:

Non-refillable 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 and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

2.56 gallons

Net Contents

syngenta®