



syngenta®

Axial Star Technical Profile

Axial Star is not currently registered for sale or use in all states. Please check with your state or local extension service before buying or using this product.

TM

Axial® Star herbicide serves as the foundation for an effective weed control program, helping you simplify the complexity of weed management in spring wheat (excluding durum), winter wheat and barley. Axial Star will help manage your toughest weeds while providing crop rotation flexibility next season.

Benefits of Axial Star

Delivers a new systemic, postemergence weed management tool

- Effective uptake and systemic movement throughout the weed ensures complete control
- Absorbed by foliage and rapidly translocated to the growing points of leaves and stems of the target weeds, stopping normal growth soon after application

Offers cross-spectrum control of grass and broadleaf weeds

- Wide application window on both the crop and weeds provides maximum flexibility
- Delivers most broad-spectrum control of mixed annual grass weeds, such as wild oat, foxtails, Italian ryegrass, Persian dandel and windgrass
- Controls core yield-robbing broadleaf weeds, such as kochia, catchweed bedstraw and prickly lettuce
- Combines the proven performance of pinoxaden and fluroxypyr to control the core weed challenges in cereals while maintaining flexibility to tank mix with other herbicides to address the local weed spectrum
- Contains built-in adjuvant technology that enhances weed control

Ensures excellent crop safety

- First-rate crop safety in spring wheat (excluding durum), winter wheat and barley
- Effective weed control and excellent crop safety helps cereal crops achieve their maximum yield potential
- Wide application window without worrying about crop safety enables flexibility to control weeds based on farm needs and consideration of potential challenges from Mother Nature

Serves as foundation for weed control program

- Convenience of one product for grass and broadleaf weed control at a single use rate of 16.4 fl oz/A, removing the guesswork on what rate to choose
- Weed control in both wheat and barley allows efficient movement between crops without needing to clean the tank and switch products
- Controls core broadleaf weeds with the ability to customize herbicide solutions on a field-by-field basis through herbicide tank-mix partners

Provides rotational crop and tank-mix flexibility

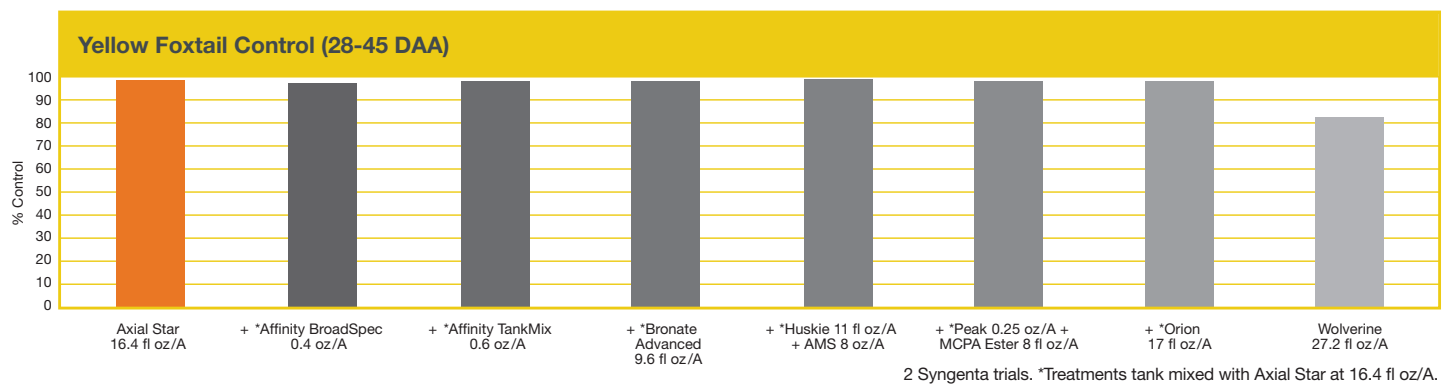
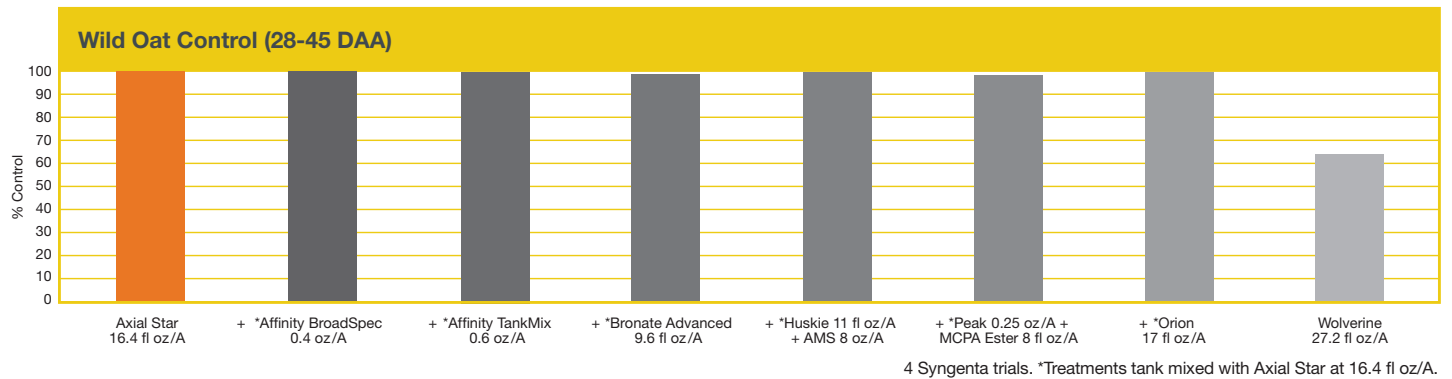
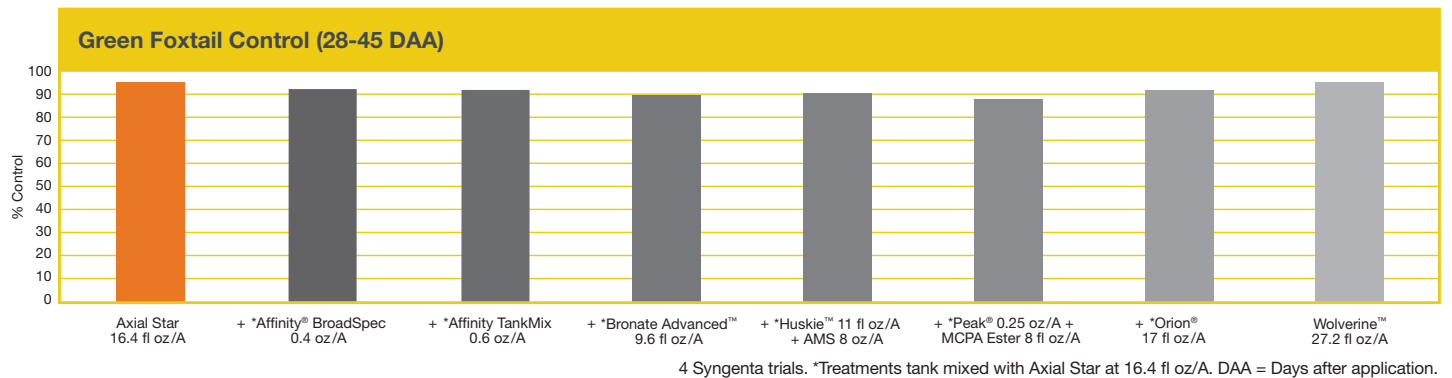
- Delivers annual grass and broadleaf weed control without rotational restrictions the following season
- Keeps cropping options open to better react to market prices
- Can be tank mixed with a wide range of herbicides to broaden the broadleaf weed control spectrum for customized, one-pass control

Use Rate

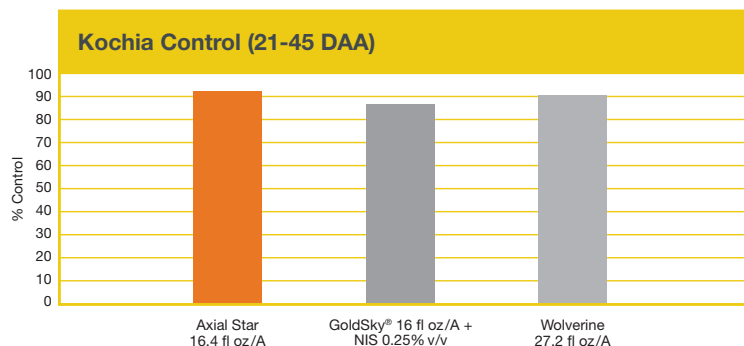
Axial Star controls a cross-spectrum of commercially important **grass and broadleaf weeds** when applied at a single use rate of **16.4 fl oz/A**.

Axial Star Performance

Axial Star outperforms the competition in mixed grass control. When Axial Star is tank mixed with address local broadleaf weed challenges, there is no to minimal antagonism to the performance against grass weeds.



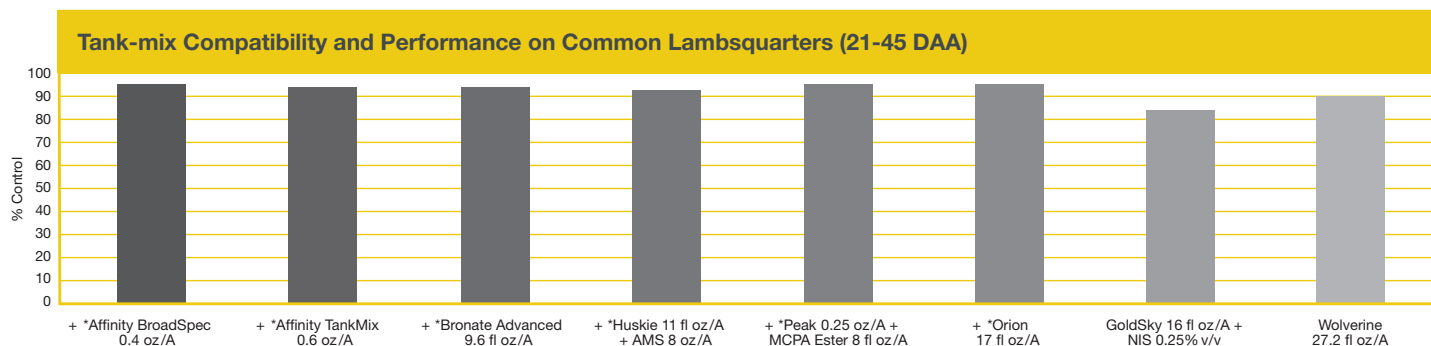
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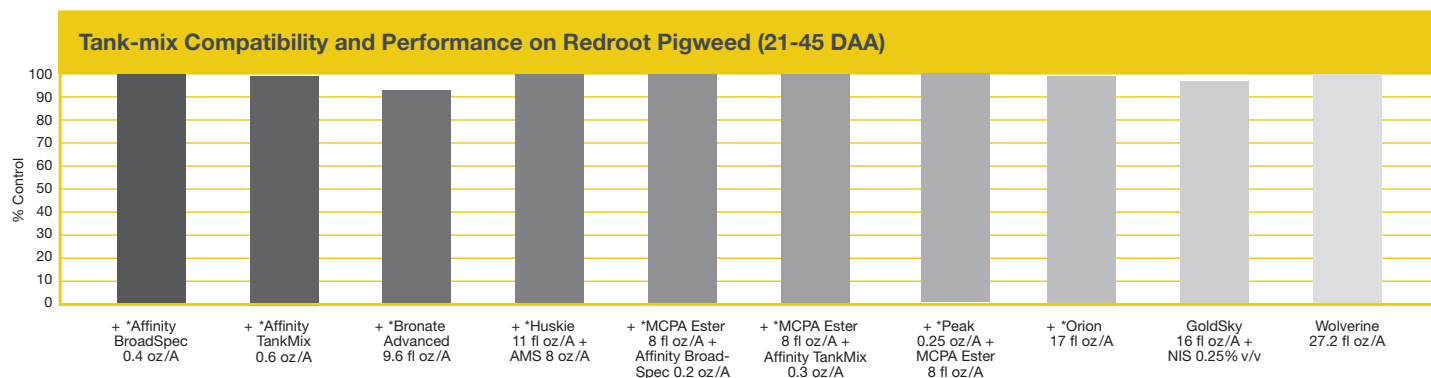
Axial Star contains fluroxypyr, the industry's leading chemistry for kochia control.

3 Syngenta trials.

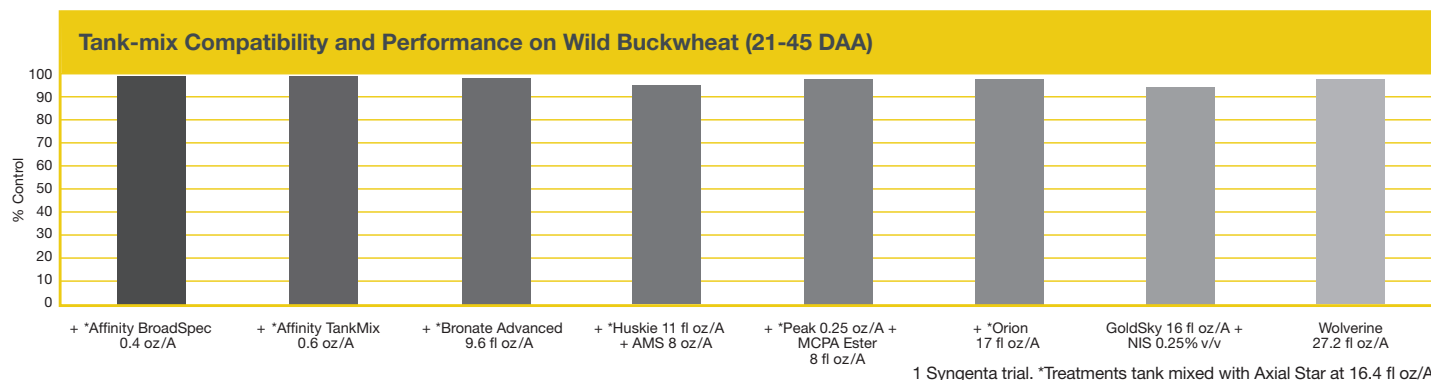
Axial Star controls core broadleaf weeds like kochia and can be tank mixed with other herbicides to customize broadleaf weed control solutions on a field-by-field basis to deliver tough, one-pass weed control.



3 Syngenta trials. *Treatments tank mixed with Axial Star at 16.4 fl oz/A.



1 Syngenta trial. *Treatments tank mixed with Axial Star at 16.4 fl oz/A.



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Broadleaf Herbicide Tank-mix Recommendations

Axial Star may be tank mixed with the broadleaf herbicides listed below to broaden the weed control spectrum. Refer to the label of the tank-mix partners for registered crops, additional weeds controlled, and directions for use. Observe all precautions and restrictions on the labels of products used in tank mixtures. Use in accordance with the most restrictive of label limitations and precautions.

		Grass weeds controlled by Axial Star at 16.4 fl oz/A in combination with listed mixture partners*				
Broadleaf Herbicide	Rate	Wild Oat	Volunteer Oat	Green Foxtail	Yellow Foxtail	Italian Ryegrass
Affinity BroadSpec ^A	0.4 oz/A	C	C	S	C	C
Affinity TankMix ^A	0.6 oz/A	C	C	S	C	C
Ally [®] XP ^A	0.1 oz/A	C	C	-	-	C
Amber [®] A	0.28-0.47 oz/A	C	C	-	-	C
Amber ^A + MCPA Ester ^D	0.28-0.47 oz/A + 0.5-0.75 pt/A	C	C	-	-	C
Bronate Advanced ^B	0.6-0.8 pt/A	C	C	C	C	C
Buctril [®] C	0.75-1.25 pt/A	C	C	C	C	C
Curtail [®] M	1.75 pt/A	C	C	C	-	-
Express [®] A	0.25-0.33 oz/A	C	C	S	S	C
Finesse [®] A	0.2-0.4 oz/A	C	C	-	-	C
Harmony [®] Extra XP ^A	0.3-0.6 oz/A	C	C	C	C	C
Harmony GT XP ^A	0.3-0.6 oz/A	C	C	C	C	C
Huskie ^A	11 fl oz/A	C	C	C	C	C
MCPA Ester ^D	0.5-0.75 pt/A	C	C	C	C	C
Orion	17 fl oz/A	C	C	C	C	C
Peak ^A	0.25-0.5 oz/A	C	C	-	-	C
Peak ^A + MCPA Ester ^D	0.25-0.5 oz/A + 0.5-0.75 pt/A	C	C	-	-	C
Pulsar [™]	8.3 fl oz/A	C	C	C	C	C
Pulsar + MCPA Ester	8.3 fl oz/A + 8.6 fl oz/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).

^AAddition of surfactants is not required.

^BOther equivalent products containing the active ingredients bromoxynil/MCPA Esters may be used. Consult the specific product label for specified rates.

^COther equivalent products containing the active ingredient bromoxynil may be used. Consult the specific product label for specified rates.

^DAssume 3.7 lb ae/gal product.

Other Tank-mix Partners

Axial Star can also be tank mixed with Tilt[®] or Quilt[®] fungicide and Warrior II with Zeon Technology[®] insecticide for added pest control in one pass.

Mixture with Liquid Nitrogen Fertilizers

Axial Star may be mixed in a spray solution containing up to 50 percent liquid nitrogen fertilizer. Add Axial Star to the water first. Mix thoroughly and then add the liquid nitrogen fertilizer in an amount no greater than 50 percent of the final volume.

Note: Under certain environmental conditions, mixtures of liquid nitrogen fertilizers as a partial carrier may cause crop burn.

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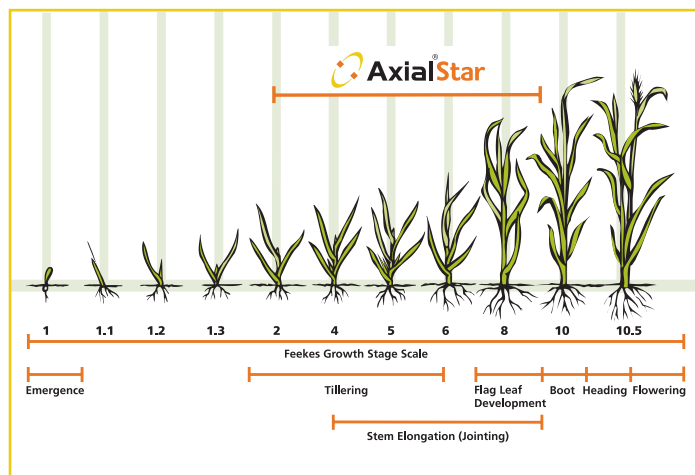
Crop Rotation Restrictions

The following crops may be planted at the specified interval following an application of Axial Star.

Crop	Rotational Interval (Months)
Barley, wheat	0
All other crops	4

Timing of Application to Crops

Apply Axial Star to spring wheat, winter wheat and barley from the 2-leaf stage to pre-boot stage.



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Timing of Application to Weeds

For optimum results, apply Axial Star to actively growing weeds. An early application will maximize yield potential by reducing weed competition. Weeds emerging after application will not be controlled.

Grass Weeds

1-6 leaf stage on the main stem, before emergence of 4th tiller

Persian darnel Volunteer oat
Wild oat

1-5 leaf stage on the main stem, before emergence of 3rd tiller

Barnyardgrass Canarygrass
Giant foxtail Green foxtail
Italian ryegrass Yellow foxtail
Wild proso millet Windgrass

Broadleaf Weeds

1-4 leaf stage

Common sunflower Prickly lettuce

Less than 4 inches tall

Catchweed bedstraw Common cocklebur
Common ragweed Kochia
Volunteer flax



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