

BroadAxe XC herbicide for soybeans

Technical overview

BroadAxe[®] XC herbicide provides broad-spectrum residual control of a full range of tough broadleaf and grass weeds.

Early-season weed management

Soybeans are sensitive to early-season competition from weeds. The Iowa State University Extension recommends use of a pre-emergence herbicide to minimize the risk of early-season weed competition by reducing weed density and slowing weed growth. BroadAxe XC maximizes soybean yield potential through its early-season weed management and long-lasting residual control of weeds, with flexible application options.

Resistance management

Soybean weed control is becoming more complex due to the spread of herbicide-resistant weeds. As herbicide-resistant populations grow, so does the need to diversify modes of action. BroadAxe XC combines multiple modes of action and promotes the use of overlapping residuals to delay development of herbicide resistance while providing highly effective, season-long weed control.

Weed spectrum*

Broadleaf weeds

- Amaranth, Palmer
- Amaranth, Spiny
- Amaranth, Spleen
- Copperleaf, Hophornbeam
- Florida Pusley
- Galinsoga, Hairy
- Ground Cherry, Cutleaf
- Kochia (ALS, Glyphosate and Triazine Resistant)
- Lambsquarters, Common
- Morningglory, Entireleaf
- Morningglory, Ivyleaf
- Morningglory, Palm Leaf (Willow Leaf)
- Morningglory, Pitted
- Morningglory, Purple Moonflower
- Morningglory, Red

- Morningglory, Scarlet
- Morningglory, Smallflower
- Morningglory, Tall (Common)
- Nightshade, Black
- Nightshade, Eastern Black
- Pigweed, Redroot
- Pigweed, Smooth
- Pigweed, Spiny
- Prickly Sida
- Smartweed, Pennsylvania
- Star of Bethlehem
- Thistle, Russian
- Tropical Spiderwort
- Waterhemp, Common
- Waterhemp, Tall

Sedges

- Annual Sedge
- Nutsedge, Yellow
- Nutsedge, Purple

Grass weeds

- Barnyardgrass
- Broadleaf Signalgrass
- Crabgrass
- Crowfootgrass
- Cupgrass, Prairie
- Cupgrass, Southwestern
- Fall Panicum
- Foxtail, Bristly
- Foxtail, Giant
- Foxtail, Green
- Foxtail, Robust
- Foxtail, Yellow
- Goosegrass
- Panicum, Texas
- Witchgrass

*Weeds controlled or suppressed

BroadAxe XC advantages at a glance

- **Full range of weed control including resistant weeds**
 - Combines multiple modes of action to control key annual grass weeds and broadleaf weeds like Palmer amaranth, waterhemp, morningglory, kochia, Russian thistle (including ALS-, glyphosate-, and triazine-resistant populations)
 - Maximizes soybean yield potential with early-season weed management and long-lasting residual control of highly competitive broadleaf and grass weeds
- **Flexible program application options**
 - Works well in planned two-pass weed control program with Prefix®, Flexstar® GT 3.5 or Touchdown Total® herbicides
 - Works well across all current and future herbicide trait platforms, as well as conventional cropping systems
 - Delivers effective performance in all tillage systems: no-till, minimum till and conventional tillage systems
 - Allows for use across multiple soil types and geographies
 - Provides for flexible application timing up to three days after planting, but prior to crop emergence

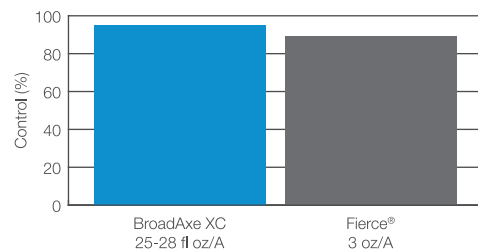
Use recommendations

- **Application guidelines**
 - Apply as a fall treatment, preplant, preplant incorporated or pre-emergence up to three days after planting
 - Ground application – apply 10 GPA minimum
 - Aerial application – apply 5 GPA minimum
 - Can be combined with liquid fertilizer

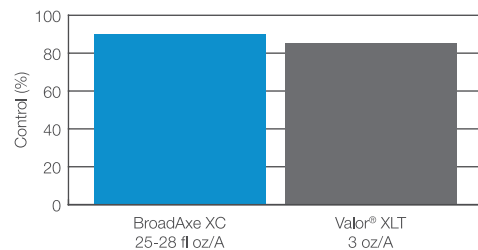
Use rates

	BroadAxe XC Broadcast Use Rate (fl oz/acre)		
	Soil Texture		
% Organic Matter	Coarse	Medium	Fine
<1.5	19-25	25-32	25-32
1.5 - 3	25	25-32	25-32
>3	25	25-32	32-38.7

BroadAxe XC pre-emergence weed control



Sixteen 2012 to 2014 field trials. Ratings at 26 to 44 days after application
Palmer amaranth (3), waterhemp (2), redroot pigweed (3), common lambsquarters (2), morningglory, kochia, barnyardgrass, giant foxtail (2) and green foxtail



Ten 2013-2014 field trials. Ratings at 21 to 30 days after treatment
Palmer amaranth (2), common lambsquarters (2), morningglory (4) and barnyardgrass (2)

 **BroadAxe[®]XC**

 **syngenta[®]**

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