



CLEANER FIELDS. HIGHER YIELDS.®

## Aggressor® AX Herbicide Technical Guide

**Aggressor AX herbicide is the only legal and registered use of quizalofop-P-ethyl herbicide that can be applied to CoAXium® wheat. Use of unregistered quizalofop-P-ethyl herbicides can result in crop quarantine and up to an \$100/acre fine as defined in the CoAXium Grower Stewardship Agreement.** To obtain optimal performance of Aggressor AX herbicide on winter annual grasses, apply Aggressor AX herbicide to **actively** growing wheat and grassy weeds.

Performance of Aggressor AX herbicide is driven by three Best Management Practices:

- 1) **Aggressor AX application rate/acre by weed species and weed size**
- 2) **Required surfactant use by weed species**
- 3) **Sprayer application volume to maximize weed coverage**

Use the proper rate/acre of Aggressor AX based on the weed species and weed size. Sprayer application volume is critical to maximize weed coverage and herbicide performance. Tilled grassy weeds require a higher application volume and Aggressor AX rate/acre to maximize weed coverage and weed control.

### Aggressor AX Broadleaf Tank-Mix Partners

Bromoxynil	2,4-D Ester and MCPA Ester	Quelex®
Clopyralid	Fluroxypyr	Dicamba
Sulfonyleureas	Huskie®	Widematch®
Starane®	Brox® M	Five Star®

- ❖ **DO NOT TANK-MIX MCPA AMINE, 2,4-D AMINE or METRIBUZIN with Aggressor AX herbicide**
- ❖ Make sure that the broadleaf herbicides are approved to be used with MSO or COC's

### Aggressor AX Use Rates by Weed Species

Weed Species	Rate/Acre
Brome Species	8 – 12 oz/acre
Feral (Cereal) Rye	10 – 12 oz/acre
Jointed Goatgrass	10 – 12 oz/acre

- ❖ Split applications can be made with Aggressor AX at 8 oz/acre (fall) followed by 8 oz/acre (spring)

### Required Surfactant Use by Weed Species

Weed Species	NIS @ 1 QT/100 gal	MSO @ 4 QT/100 gal
Brome species	✓	✓
Feral (Cereal) Rye		✓
Jointed Goatgrass		✓

- ❖ **Only use NIS @ 1 QT/100 gallons on all fall applications**

### Aggressor AX Herbicide Fertilizer Compatibility

Aggressor AX is compatible with many sources of nitrogen fertilizer. Applications can be made with Sol 32, Sol 28, urea or AMS. Do not apply more than 30% of the sprayer application volume as fertilizer.

**Use of fertilizer does not substitute for the use of surfactants with Aggressor AX herbicide.**

### Sprayer Application Volume = Weed Coverage = Control of Grassy Weeds = + 15 gallons per acre

Aggressor AX is a Group 1 herbicide, and sprayer application volume will help optimize the performance of the Aggressor AX herbicide. Sprayer volume should target maximum weed foliage coverage on a field by field basis. **Larger weeds and higher weed density require higher sprayer volume** to maximize control and performance.

Refer to the product label for complete use directions and instructions. EPA Reg. No. 42750-313 AD030118.

10/1/23





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## 6 Keys to Success using CoAXium® Wheat and Aggressor® AX herbicide

### 1. Wheat Stage of Growth for Aggressor AX Applications

- 4 leaf up to stem elongation (1<sup>st</sup> node Detected)

### 2. Aggressor AX Rates by Weed Species – Spring Applications

- **On severe infestations of grassy weeds, use Aggressor AX @ 8 oz/acre in the fall followed by Aggressor AX @ 8 oz/acre in the spring**
- Jointed Goatgrass @ 12 oz/acre
- Feral Rye @ 12 oz/acre
- Brome Species @ 10 – 12 oz/acre
- **Adjust Aggressor AX herbicide rates based on weed size and weed populations**

### 3. Surfactant Use by Weed Species

- **Only use NIS @ 1 QT/100 gallons in all fall applications**
- Feral Rye use MSO @ 4 QT/100 gallons on spring applications
- Jointed Goatgrass use MSO @ 4 QT/100 gallons on spring applications
- Brome Species use NIS @ 1 QT/100 gallons or MSO @ 4 QT/100 gallons (larger brome)
- Use a nitrogen Source Liquid Fertilizer tank-mix (UAN, Urea or AMS) for enhanced herbicide uptake on Feral Rye and Jointed Goatgrass control

### 4. Volume of Aggressor AX Application

- Volume of Application is Critical
- High population of weeds and larger weeds require higher volume of application
- **Use a minimum of 15 GPA for consistent performance**

### 5. Wheat Crop and Weed Growth Activity

- The wheat crop and grassy weeds need to be actively growing to maximize crop safety and grassy weed control
- **Do NOT apply Aggressor AX when freezing temperatures are expected 5 days prior to or after applications of Aggressor AX herbicide**

### 6. Maximize Your Return on Investment – Aggressor AX Herbicide Timing

- **Control grassy weeds early before they compete with your wheat crop to maximize your ROI**

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