

# Weed Management for Wheat 2024/2025



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# ***Ryegrass is Threatening Production***



- **Ryegrass, ryegrass, ryegrass**
- **Resistance is spreading fast**
- **No new herbicides**
- **Rotation is part of the solution**
- **Ryegrass must not be emerged when planting!**
- **Can you deep turn?**



# Weed Management for Wheat 2024/2025

- Seed only emerges close to soil surface
- Life of seed similar to pigweed (shortish)



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**Ryegrass planted 0.5"  
followed by deep turning.**

**Ryegrass planted 0.5"  
inch without tillage.**

# ***Preplant Options – No Plants At Planting***

1. Tillage
2. Roundup (full+ rate; best single option)
3. Gramoxone
4. Harmony Extra TS (broadleaves)
5. Quelex (broadleaves)
6. Select 30 d plant back
7. 2,4-D: 24 d plant back
8. Valor: 30 d plant back





# ***Annual Ryegrass Herbicide Options***

## **Critical To Understand:**

**A systems approach similar to those used in agronomic crops is needed:**

- 1) no ryegrass at planting,**
- 2) early herbicide application focusing on residual control,**
- 3) AND a POST is needed**



# ***Annual Ryegrass Herbicide Options***

Critical To Understand: Similar to agronomic crops a systems approach of no ryegrass at planting, early herbicide, AND a POST is needed

**Earlyish:** Anthem Flex, Axiom, Fierce, Zidua, Prowl

**POST (usually ~ Christmas):** Axial Bold, Osprey, Powerflex



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**ALSO CRITICAL: DO NOT APPLY THE SAME CHEMISTRY  
IN THE SAME FIELD EVEN 2 YEARS IN A ROW**

# ***Example Program for Ryegrass***

- 1. Roundup or tillage if emerged just before planting**
- 2. Zidua or Fierce after planting (follow restrictions)**
- 3. Axial Bold or PowerFlex/Osprey**



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# Some Growers in GA May Have to Get Creative

Chaff Lining



“The concentration of the chaff material places weed seeds in an environment unsuitable for germination and emergence.”

Photo and text credit: Lauren Lazaro LSU/Blue River

## Combine attachment destroys weed seed at harvest

University of Missouri research finds that 98% of weed seed is unviable with the Seed Terminator.



Mindy Ward

September 30, 2020

🕒 5 Min Read



A seed terminator on a combine at work during soybean harvest

Farm-ready  
equipment.

“Seed impact mills that utilize metal parts at high velocity to **crack the seeds** as they move through the mill, thereby greatly reducing their viability.”

Very good but requires lots of power and expensive!

# ***In-Crop Broadleaf Herbicides***

**2,4-D**

**Harmony Extra**

**MCPA**

**Osprey**

**PowerFlex**

**Quelex**



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# ***In-Crop Broadleaf Herbicides***

**2,4-D**

**Harmony Extra**

**MCPA**

**Osprey**

**PowerFlex**

**Quelex**

**1) MCPA + Harmony or Quelex**

**2) 2,4-D + Harmony or Quelex**

**3) Harmony or Quelex**

**fb**

**MCPA or 2,4-D**



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**Wild Radish  
is # 1  
Statewide**



**Quelex + MCPA**

**Harmony Extra TS  
+ MCPA**



# ***What about other weeds.....like Henbit***

- **< 18 plants/m<sup>2</sup>: generally, no impact on yield**
- **82 plants/m<sup>2</sup>: reduced yield up to 48%**
- **Competition greater in winter months**
- **Easily shaded out when blooming**
- **If weeds are managed for the first 30 to 50 days, there will be no reduction in yield.**



# Anything New?

## Specimen Label

FLUROXYPYR	GROUP	4	HERBICIDE
HALAUXIFEN-METHYL	GROUP	4	HERBICIDE
PINOXADEN	GROUP	1	HERBICIDE



# Rezuvant™

with Arylex™ active

## HERBICIDE

™® Trademarks of Corteva Agriscience and its affiliated companies.

**For postemergent control of annual grass and broadleaf weeds in wheat (excluding durum) and barley.**

Active Ingredients:	w/w%
halauxifen-methyl: 2-pyridinecarboxylic acid, 4-(acetylamino)-3-chloro-6-(4-chloro-2-fluoro-3-methoxyphenyl), methyl ester	0.44%
fluroxypyr 1-methylheptyl ester: [(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetic Acid, 1-methylheptyl ester	15.32%
pinoxaden: 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl 2,2-dimethylpropanoate	5.10%
Other Ingredients	79.14%
Total	100.00%

Contains 0.035 lb halauxifen acid equivalent per gallon (0.43%), 0.869 lb fluroxypyr acid equivalent per gallon (10.63%) and 0.42 lb pinoxaden per gallon (5.10%).

This product contains the safener cloquintocet-mexyl.

## Precautionary Statements

**Hazards to Humans and Domestic Animals**

EPA Reg. No. 62719-750

**Keep Out of Reach of Children**

**CAUTION**

- Three active ingredients
- Similar to Axial + Quelex
- We will begin our research this winter
- In theory, not smart to mix a broadleaf herbicide with a ryegrass herbicide but let's see



# ***Take Home***

- **For ryegrass, has to be more than just herbicides**
- **Herbicide program for ryegrass: none at planting, residual early, and timely topical application.**
- **For broadleaves, MCPA + Harmony or Quelex very effective across the state.**

