



Arkansas Round Table

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Glyphosate-resistant waterhemp



- If a glyphosate-resistant weed emerges in crop, may be no remedy
- Worrisome weed in soybeans, may not be controlled postemergence due to stacked herbicide resistance (PPO, ALS)
- Solutions include use of preemergence residual herbicides

Solutions Module

RESISTANCE SOLUTIONS

▶ RESISTANT WEEDS ▶ TOLERANCE & WEED SHIFTS ▶ COST OF RESISTANCE ▶ CASE STUDIES ▶ DO YOU 2-1-2? ▶ **YOUR SOLUTION**

YOUR RESISTANCE MANAGEMENT SOLUTION

5. DO YOU KNOW YOUR PROBLEM WEEDS?

Please choose the most troublesome weed from the list:

Waterhemp

Do you have more problem weeds? Please check all that apply: :

- Waterhemp
- Pigweed
- Lambsquarters
- Velvetleaf
- Foxtail
- Cocklebur
- Glyphosate-tolerant volunteer corn
- Giant ragweed
- Common ragweed
- Barnyardgrass
- Woolly Cupgrass
- Horseweed (marestail)
- Morningglory (soybeans only)

BACK NEXT

START ▶ STEP 1 ▶ STEP 2 ▶ STEP 3 ▶ STEP 4 ▶ **STEP 5** ▶ STEP 6 ▶ YOUR SOLUTION

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RESISTANCE FIGHTER .com

Information Sources for Resistant Weed Issues

The retailer is the key information source for glyphosate resistant weed issues among both Northern and Southern growers.

North Region

South Region

Unaided Mentions

▪ Chemical Dealer/Retailer	69%	58%
▪ Crop Scout/Consultant	15%	30%
▪ University Extension	--	32%
▪ Other Growers	4%	3%
▪ Manufacturer Sales Rep	2%	4%

Future of Glyphosate Weed Resistance

- Glyphosate weed resistance is a real and growing threat
- 18 states and 8 weeds are now confirmed with glyphosate resistance
- Glyphosate use will continue to increase because it controls over 170 weeds
- Will get worse before it gets better, more weeds and more acres affected
- Managed by having a weed management plan (***SYT offers an online solutions program at resistancefighter.com***) incorporating diversity in weed management plan

AR Roundtable December 2007	GT Cotton (Midsouth)	GT Cotton (Southeast)	GT Corn	GT Soybeans
Conventional	Tillage			
No Till- Burndown	TD + Dicamba	TD + Dicamba	Gramoxone + Lexar or Bicep II Magnum	Gramoxone + Prefix/2,4-D
Premerge Residual at planting	Gramoxone + Caparol	Reflex + Dual Magnum		
1 st post	Sequence	Sequence	TD + Northstar, if needed	TD + (Flexstar)*
2 nd post	TD + Envoke	TD + Envoke	 	
Layby-directed	TD + Suprend	TD + Suprend	 	
Benefits	Glyphosate not used alone. Six MOA.	Glyphosate not used alone. Seven MOA.	Glyphosate not used alone. Yield benefits from early weed control. Five MOA.	Glyphosate not used alone.* Yield benefits from early weed control Four MOA.