### 2005

# Soybean Management Field Days <u>Conventional Soybean Weed</u> <u>Control and Roundup Ready</u> <u>Management</u>

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### Conventional Soybean Weed Control & Roundup Ready Management

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### **Today's Discussion**

- Resistance Management
- Conventional Soybeans
- Roundup Ready Soybean Test

Soybeans, Weeds, and You

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### Resistance

- Value of preserving technology
- Prevention vs. Treatment
  - Still can use glyphosate tolerant beans and corn
     i.e. PRE's and tank-mixing

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### **Weed Spectrum**

- Barnyardgrass byard
- Cocklebur cklbr
- Crabgrass crab
- · Foxtail fox
- Kochia kch
- Lambsquarters Iqtrs
- Morningglory mglory
- Black Nightshade nsh
- Pigweed pig

- Common Ragweed rag
- · Russsian thistle rt
- Sandbur sndbr
- Smartwed, Annual smart
- · Sunflower sun
- · Velvetleaf vleaf
- Waterhemp whemp

## Cost/A of the conventional versus Roundup Ready Roundup Conventional

	Roundup	Conventional
Seed	\$25.50	21.00
Tech Fee	\$6.50	\$0
Herbicide	Pre - \$11 Post -\$4-9	Pre - \$15 Post - \$10-15
Additives	\$0.40	\$1.75
Total	\$47- \$52	\$47 - \$52

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### Know your PRE herbicides

Herbicide	Strength	Weakness
Boundary	fox, kch, lqrtr, nsh, rt, pig	ckibr, mglory
Canopy XL	cklbr, kch, lqrtr, mglry, nsh, rt, pig	not particularly strong on grasses
Command	most grasses, kch, vleaf, lqrtr	shttr, mglry, nsh, pig, sun
Domain	fox, crab, byard, lqrtr, pig, whemp	shttr, cklbr, mglry
Gangster	ckibr, kch, lqrtr, nsh, pig, rag, rt, sun, vleaf, whemp, limited fox	most grasses

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Know your PRE herbicides				
Herbicide	Strength	Weakness		
IntRRo	most grass, lqrtr, nsh, pig, whomp	shttr, mgiry, sun, rag, vieaf		
Prowl/ Pendimax	grasses, lqrtr, pig, whemp	mgiry, nsh, rag, sun, vleaf		
Pursuit Plus	grasses, kch, lqrtr, nsh, pig, rt, sun, vleaf, whemp	mglry		
Treflan	grasses, kch, lqrtr, pig, whemp	mgiry, nsh, rag, rt, sun, vleaf		
Valor	limited fox & crab, kch, lqrtr, nsh, pig, rag, rt, whemp	sndbr, sun, cklbr		

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Know your POST herbicides			
Herbicide	Strength	Weakness	
Pursuit	cklbr, kch, nsh, pig, rt, smart, sun, vleaf	lqrtr, rag, whemp	
Raptor	cklbr, keh, lqrtr, nsh, pig, rt, smart, sun, vleaf	whemp	
Reflex/ Flexstar	mglry, nsh, pig, rag, smart, whemp	ckibr, iqrtr, rt sun, vicaf	
Synchrony	cklbr, lqrtr, mglry, pig, rag, sun, vleaf	nsh, whemp	
Ultra Blazer	ckibr, mgiry, nsh, pig, smart, sun whomp	keh, lqrtr, rt, vleaf	

**Know your POST herbicides** 

Herbicide	Strength	Weakness
Basagran	ckibr, nutsedge, smart, sun, vieaf	lqrtr, nsh, pig, rt, whomp
Classic	cklbr, pig, rag, smart, sun, vleaf	lqrtrs, kch, mglry, nsh, rt, whemp
FirstRate	ckibr, rag, smart, sun, vieaf	kch, lqrtr, nsh, pig, rt, whemp
Harmony GT	lqrtr, pig, smart, vleaf	ckibr, kch, mgiry, nsh, rag, rt, sun, whemp
Phoenix	cklbr, mglry, nsh, pig, rag, whemp	kch, iqrtr, rt, sun, vieaf

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### **Conventional Beans**

have forgotten

- What you need to brow about growing conventional beans
  - Know your weeds
  - Know your herbicides & limitations
  - Be "Johnny-on-the-spot"
  - Crop Safety "speckled leaves"
  - Helps to be a creative marketer

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### Does your Roundup Ready Herbicide Plan Pass the test?

- Is your field clean?
- · Do you get a full yield?
- · Is it low risk?
- Is it profitable?

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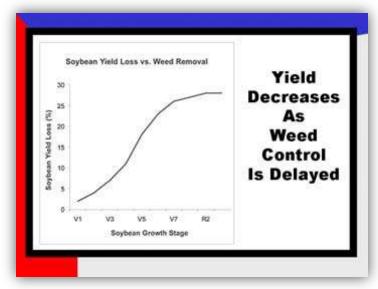
### **Full Yield?**

- No Weed Competition
  - -Know when to protect crop
    - Timing of weed removal

Field Clean?

- Good Weed Control
  - -Right Amount @ Right Time
    - Know your weeds → Make Plan

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### Low Risk?

- Components
  - Clean Field
  - Full Yield
  - Crop Safety
  - Herbicide Performance
- Does a clean field = full yield?
  - Methods to achieve both

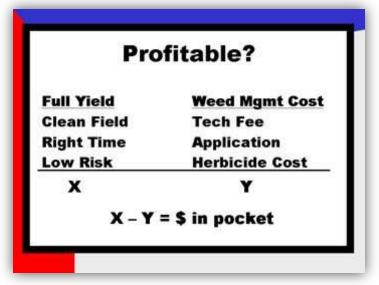
     PRE herbicide & timing
  - Increase flexibility and lower risk

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### Early Season Yield Loss

- X \* % yield loss Y = \$ in pocket
- Often when you reduce Y there is a cost to X
- · Strive to keep X at its maximum
- NO FREE LUNCHES!
- Profitable ≠ Low Cost

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