

POST HARVEST WEED CONTROL



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Residue Management

- ∅ Herbicide deposition
- ∅ Planting efficiency
- ∅ Tillage efficiency



Residue Management

∅Corn (6-8 leaf): Select Max , Envoke, Staple LX, Ignite, Finesse, Hoelon

∅Cotton (3-4 leaf): Reflex, Ignite, Gramoxone Inteon, Aim, ET, Harmony GT, Status

∅Soybean (V3-V4): Ignite, Gramoxone Inteon, Resolve, Staple LX, Envoke, Status, Permit, Laudis

∅Tillage



Volunteer Competition

∅ Soybean: 1 per 2 row ft season-long in cotton = 32% yield reduction; 3 per 3 row ft = 7% yield reduction with 1 wk competition

∅ Cotton: 1 per 2 row ft season long in soybean = 5% yield reduction; 3 per row ft = 4.5 to 5.5% yield reduction with 4-5 wk competition

∅ Rust and insect hosts

∅ Harvest efficiency



Perennial Weed Management

- Ø Redvine, Johnsongrass, Bermudagrass etc.
- Ø Source/sink relationship
- Ø Control vs management
- Ø Timing research



Annual Weed Management

- ∅ Population dynamics
- ∅ Competition reduction
- ∅ Planting efficiency
- ∅ Tillage efficiency



Annual Weed Management

Ø Reflex, Dual Magnum, Envoke, First Rate, Resolve etc.

Ø All work!!!

Ø Length of residual???

Ø Programs to limit loss of row integrity

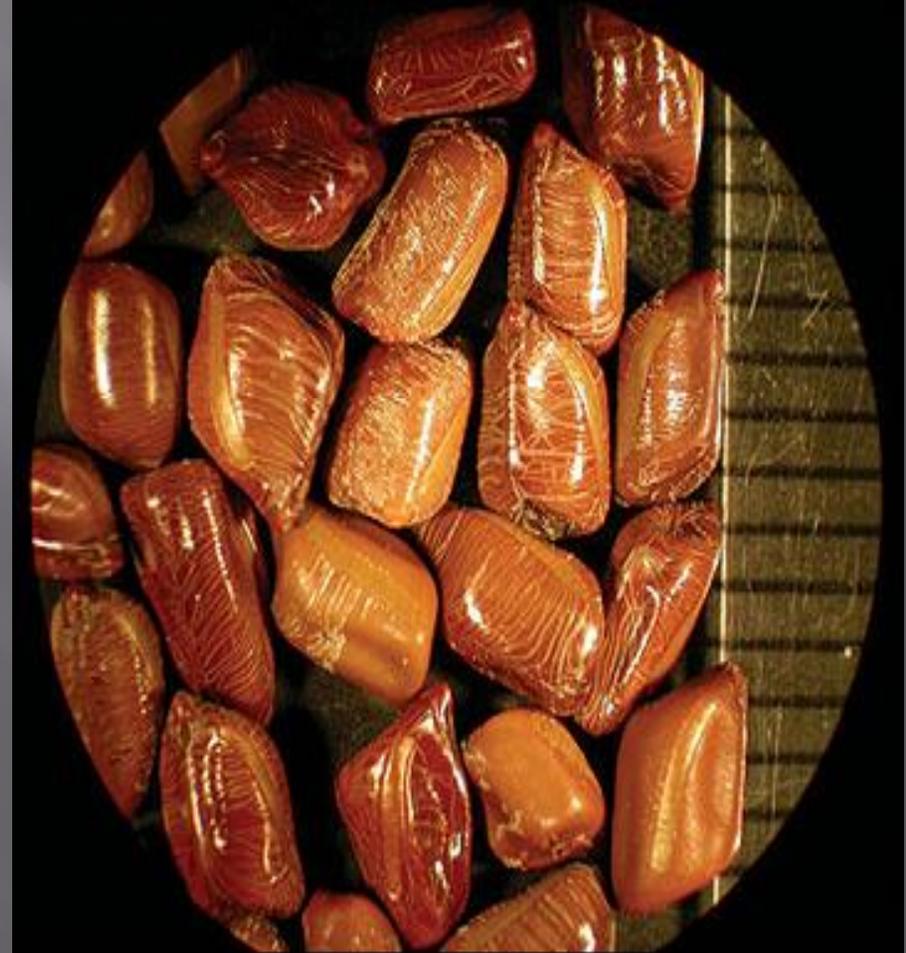
Ø Layby Pro on summer weeds

Ø Tillage



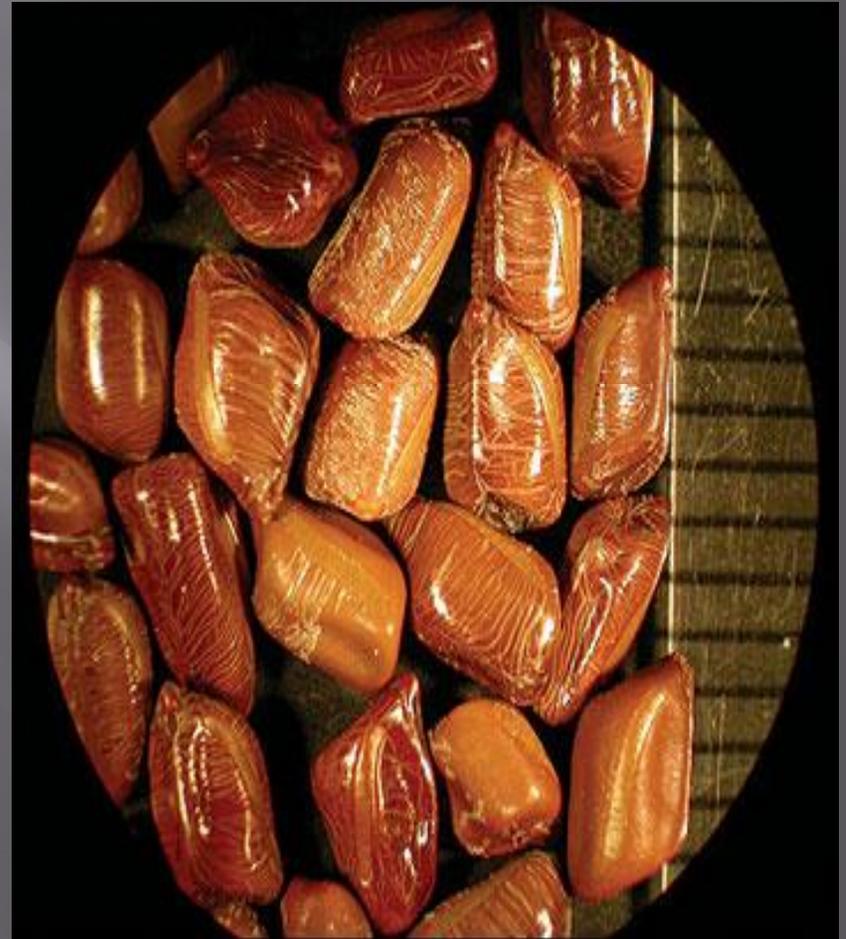
Seed Bank Depletion

- ∅ Reduced populations
- ∅ Reduced seed production
- ∅ Reduce seed viability



Seed Bank Depletion

- ∅ Glyphosate at initial seed set:
97% (cocklebur), 94% (hemp
sesbania), 66% (sicklepod)
- ∅ Complete control not needed
- ∅ Similar effects with other
herbicides??



Weed Resistance Management

- ∅ Eliminate seed production
- ∅ Eliminate survivors
- ∅ Different MOA









QUESTIONS?

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