

2014 Crop Management Diagnostic Clinic

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Residual Herbicides Applied POST in Soybean

Anthem: Zidua (15) + Cadet (14); up to V3
Dual II Magnum: Metolachlor (15); emergence to V3
FirstRate: Cloransulam (2); up to 50% flowering
Pursuit: Imazethapyr (2); before bloom
Prefix: Metolachlor (15)+Fomesafen (14); cracking-V3
Outlook: Dimethenamid (15); V1 to V5
Warrant: Acetochlor (15); before R2
Zidua: Pyroxasulfone (15); V1 to V3

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Herbicide Resistant Weeds in NE

Weed Species	Resistance	Example Herbicides
Common waterhemp	Triazine	Aatrex
	HPPD	Callisto, Laudis, Impact
	ALS	Pursuit, Classic
	Glyphosate	Roundup
Palmer amaranth	Growth regulator	2,4-D
	ALS	Pursuit, Classic
	HPPD	Callisto, Impact, Laudis
	Triazine	Aatrex
Kochia	Photosystem-II	Buctril
	Growth regulator	2,4-D
	Triazine	Aatrex
	Glycine	Roundup
Shattercane	ALS	Accent, Beacon, Option
	ALS	FirstRate
Marestail	ALS	Roundup
Giant/ Common ragweed	Glyphosate	Roundup
	Glyphosate	Roundup
Redroot pigweed	Triazine	Aatrex

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PRE Herbicides in Soybean

ALS inhibitors (2)
 FirstRate, Pursuit, Python
Microtubule inhibitors (3)
 Prowl H2O, Trifluralin
PS II inhibitors (5)
 Sencor/ Dimetric
Diterpene Synthesis inhibitor (13)
 Command
PPO inhibitors (14)
 Authority, Valor
Long chain fatty acid inhibitors (15)
 Outlook, Warrant, Zidua

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POST Herbicides in Soybean

ACCase inhibitors (1)
 Assure II, Post Plus, Select Max
ALS inhibitors (2)
 Classic, FirstRate, Raptor, Synchrony
Glyphosate (9)
PPO inhibitors (14)
 Cobra, Flexstar, Ultra Blazer

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Multiple Herbicide-Resistant Soybean

- **Liberty Link Soybean**
- **Dicamba plus glyphosate resistant soybean (Roundup Ready 2 Xtend)**
- **2,4-D plus glyphosate resistant soybean (Enlist Soybean)**
- **Isoxaflutole plus glyphosate resistant soybean (Balance Bean/GT)**
- **MGI Soybean**

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