



CropWatch

Table
Addendum
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Adding offset rows to existing soybean stand . . .

For the full story see the June 10, 2005 CropWatch at <http://cropwatch.unl.edu/archives/2005/crop05-13.htm>

Table 1. Yield effect of replanting soybean into an existing stand that had been reduced, either uniformly or with gaps, by 33% and 66%. Final yields are averages over three sites and two years for two soybean varieties. With a uniform stand reduction of 33% there is no yield advantage (or disadvantage) with offset rows. (1990, University of Illinois).

<i>% of stand reduced</i>	<i>Added offset rows into an existing stand?</i>	<i>Stand reduction (uniform or with gaps)</i>	<i>Seed yield (bu/ac)</i>	<i>Comparison between treatments</i>
0%	No	None	42.5	
33%	No	Uniform	41.4	
33%	Yes	Uniform	41.4	
33%	No	Gaps	40.6	With gaps (1-8 ft. in length) and 33% of the stand reduced there is no significant yield advantage (or disadvantage) with offset rows
33%	Yes	Gaps	41.0	
66%	No	Uniform	39.8	With a uniform stand reduction of 66% there is no significant yield advantage (or disadvantage) with offset rows.
66%	Yes	Uniform	40.2	
66%	No	Gaps	32.2	With gaps (1-16 ft. in length) and 66% of the stand reduced there is a 5 bu/A yield increase with offset rows.
66%	Yes	Gaps	37.2	

Preharvest herbicide treatment in winter wheat

For the full story see the June 10, 2005 CropWatch at <http://cropwatch.unl.edu/archives/2005/crop05-13.htm>

Table 1. Herbicide treatments for preharvest treatment in winter wheat (from page 71 of the 2005 Guide for Weed Management in Nebraska, EC04-130).

Herbicide	Rate per acre	App. time	Remarks and cost per acre broadcast\
Ally + 2,4-D amine (4L)	0.1 oz 0.25-0.50 pt	After dough stage	Preharvest interval of 10 days. Add surfactant at 1 qt/100 gallons of spray solution. Cost: \$2.90-\$3.35
2,4-D ester (4L)	1 qt	Hard dough 7 or more days before harvest	Rescue treatment for control of late broadleaf weeds. To reduce breakage with 2,4-D all green color should be gone from joints. Only certain brands of 2,4-D are labeled for this use. Cost: 2,4-D \$3.70; glyphosate \$3.55
Glyphosate (4 lb ai)	1 qt		

Postemergence weed control in soybeans

For the full story see the June 10, 2005 CropWatch at <http://cropwatch.unl.edu/archives/2005/crop05-13.htm>

Table 1. Postemergence herbicides labeled for soybeans.

Herbicide	Action	Rate per Acre	Application Timing	Additives
Assure II	Grass	7-8 oz	Grass 4"; shattercane and corn 12-18"	NIS ¹ 1 qt/100 gal***
Basagran	Broadleaf	1-2 pt	Broadleaf < 4"	COC ² 1 qt/ac***
Classic	Broadleaf	0.5-0.75 oz	NIS 1 qt/100***	
Extreme	Broadleaf + grass	3 pt	Grass and broadleaf <12"	NIS 1 pt/100 + Fert. or AMS ³
First Rate	Broadleaf	0.3 oz	Broadleaf <10"	NIS 1 pt/100***
Flexstar	Broadleaf	1 pt	Broadleaf < 4"	NIS 1 qt/100***
Fusilade	Grass	6-12 oz	Grass 2-12"	NIS 1 qt/100***
Fusion	Grass	6 oz	Grass 4"; shattercane and corn 12-18"	NIS 1 qt/100***
Generic glyphosates**	Broadleaf + grass	Check label	Typically 32-48 oz	Grass and broadleaf <12" AMS 1-2% May need additional NIS
Harmony GT	Broadleaf	0.083 oz	Broadleaf 2-8"	NIS 1 qt/100 + UAN ⁴ 2-4 qt/ac
Pheonix	Broadleaf	8-12.5 oz	Broadleaf <6"	NIS 1qt/100***
Poast Plus	Grass	18-24 oz	Grass 4"; shattercane and corn 12-18"	COC 1 qt/ac***
Pursuit	Broadleaf + grass	1.44 oz	NIS 1 qt/100 + UAN 1-2 qt/ac***	
Raptor	Broadleaf + grass	5 oz	Broadleaf <4"	NIS 1 qt/100 + UAN 2-4 qt/ac***
Reflex	Broadleaf	1 pt		NIS 1 qt/ac***
Reliance STS* **	Broadleaf	0.5 oz	Broadleaf <6"	COC 1 qt/ac***
Resource	Broadleaf	4-8 oz	Broadleaf <4"	COC 1 qt /ac***
Roundup				
WeatherMax**	Broadleaf + grass	22-33 oz	Grass and broadleaf <12"	AMS 1-2%
Select	Grass	6 oz	Grass 4", corn 12-24", shattercane 6-18"	COC 1 qt /ac***
Stellar	Broadleaf	5 oz	Broadleaf 2-6"	NIS 1 qt/100***
Storm	Broadleaf	1.5 pt	Broadleaf 2-6"	NIS 1qt/100***
Synchrony STS**	Broadleaf	0.5 oz	Broadleaf <6"	COC 1 qt/ac***
Touchdown				
Total	Broadleaf + grass	24-36 oz	Grass and broadleaf <12"	AMS 1-2%
Ultra Blazer	Broadleaf	1-1.5 pt	NIS 1 qt/100***	

*May use non-STs when mixed with NIS + ammonium fertilizer instead of COC

**Requires Roundup Ready® soybeans

***More than one additive is labeled

¹ Nonionic surfactant

² Crop oil concentrate

³ Ammonium sulfate – spray grade

⁴ Urea ammonium nitrate