



Crop Watch

Table
Addendum
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Comparing cropping options (See full story at <http://cropwatch.unl.edu/archives/2005/crop05-8.htm#rotation>.)

Table 1. Continuous vs. Rotated Corn Budget, 1985-2004 irrigated yields, UNL South Central Agricultural Laboratory, Clay Center.

	<i>No-till Corn following corn CC</i>	<i>No-till Corn following Soybeans</i>	<i>Soybeans</i>	<i>Corn- Soybeans CB</i>	<i>CB & CC Diff- erence</i>	<i>CCB</i>
1 Yield (bu/ac)	181.40	189.40	56.10			
2 Price/bu*	\$2.24	\$2.24	\$5.60			
3 trucking/bu	0.06	0.06	0.06			
4 drying/bu	0.20	0.10				
5 Net/bu	\$1.98	\$2.08	\$5.54			
6 Net Revenue/ac	\$359.72	\$394.52	\$310.85	\$352.69	-\$7.03	\$355.03
7 Water	9	9	6	7.5		8.00
Fuel & Lube, Deprec & Repairs/ac						
8 Irrigation	50.45	50.45	33.63	42.04	8.41	44.84
9 Field Operations	32.74	32.88	21.39	27.13	5.60	29.00
Materials						
10 Seed incl seed trt	33.51	38.21	38.89	38.55	-5.04	36.87
11 N lbs/ac	163	125				
12 @ \$0.22	\$36.34	\$27.92		\$13.96	\$22.37	\$21.42
13 Starter	6.84	6.84		3.42	3.42	4.56
14 Herbicide	29.20	29.20	9.21	19.21	10.00	22.54
Insecticide, fungicide						
15 CRW	17.77			0.00	17.77	5.92
16 Corn borer, other	0.56	0.56	3.50	2.03	-1.47	1.54
17 Custom	0.70	0.70	2.00	1.35	-0.65	1.13
18 Subtotal	\$208.09	\$186.75	\$108.62			
19 incl trucking, drying	\$255.25	\$217.06	\$111.99			
Labor						
20 Labor hours	1.03	1.03	0.80			
21 @ \$10.00/hr	\$10.30	\$10.34	\$8.00	5.57	4.73	9.55
Subtotal incl labor	\$265.55	\$227.40	\$119.99	117.70	147.86	204.31
Operating Capital						
22 8.0% Interest for 8 months	\$14.16	\$12.13	\$6.40	9.27	4.90	10.90
23 Total listed cost/ac excl trucking & drying	\$232.55	\$209.22	\$115.82	\$162.52	\$70.03	185.86
24 Net for land, management, machinery interest and overheads	\$127.17	\$185.30	\$195.03	\$190.17	\$63.00	169.17
						11.4
						Bean yield increase needed for CCB = CB

* Average harvest price/bu received by Nebraska producers, 1995-2004

Sunflower herbicides (See full story at <http://cropwatch.unl.edu/archives/2005/crop05-8.htm#sunflower>.)

Table 1. Herbicides, including rates and approximate costs, for sunflower.

Pre-emergence

Herbicide	Commercial Product per Acre			Remarks and Approximate Cost/A Broadcast
	Sandy Loam	Silt Loam	Silt-Clay Loam	
Dual Magnum Preplant	1.0-1.33 pt	1.33 pt	1.67 pt	Provides excellent grass weed control, but should be combined with Spartan or followed with Beyond (Clearfield varieties only) for broadleaf weed control. Cost: \$14.05-\$23.45.
Eptam 7E +	2.5 pt	2.5 pt	2.5 pt	Apply and incorporate just before planting. Cost: \$15.40-\$17.20.
Treflan/Trifluralin	1.5 pt	1.5 pt	1.5 pt	
Prowl/Pendimax (3.3EC) PPI	1.2-2.4 pt	1.8-3.0 pt	2.4-3.6 pt	PPI up to 30 days prior to planting. Prowl PRE is most effective in controlling weeds when adequate rainfall or irrigation is received 7 days after application. Otherwise, a registered POST herbicide may be required. Cost: Prowl \$3.50-\$10.40; Prowl + glyphosate \$10.45-\$12.15.
Prowl (3.3 EC)/Prowl H ₂ O/ Pendimax Pre with or without Glyphosate*	3.0 pt 16 oz	3.6 pt 16 oz	3.6 pt 16 oz	
Treflan/Trifluralin	1 pt	1.25-1.5 pt	1.5-2 pt	For best results immediately incorporate. Read label for carryover precautions. Cost: Treflan/Trifluralin \$2.45-\$7.25.
Spartan +	2.0-2.67 oz	2.67-3 oz	2.67-3 oz	Apply PRE up to 30 days prior to planting. Risk of crop injury increases as soil pH increases and/or soil organic matter decreases. Cost: Spartan+ Prowl \$14.55-\$19.25; Spartan + Dual Magnum \$19.95-\$32.25.
Prowl/Prowl H ₂ O/ Pendimax or	3.0 pt	3.6 pt	3.6 pt	
Dual Magnum	1.0-1.33 pt	1.33 pt	1.67 pt	

Postemergence

Herbicide	Rate Per Acre	Application Time	Remarks and Approximate Cost/A Broadcast
Beyond (Clearfield varieties only)	4.0 oz	Sunflower 2-8 leaf, grasses 1-5 leaf, broadleaves 1-3"	For use with Clearfield varieties only. Add surfactant at 1-2 qt/100 gal and nitrogen based fertilizer at 2.5 gal/100 gal or AMS at 12-15 lb/100 gal. Cost: \$17.85.
Poast +	1-1.5 pt	Shattercane + corn 12-18"	Good coverage essential. Add 4-8 pt of UAN or 2.5 lbs AMS/ac to control crabgrass and all volunteer cereals. Cost: \$9.10-\$13.60.
Dash HC or oil concentrate	1 pt 2 pt	Other grasses less than 5" weeds 2-6"	
Select	6-8 oz	Annual grass	Good coverage essential. Always use crop oil concentrate at 1 qt/A. May add AMS at 2.5 to 4 lb/A for difficult to control weeds. Cost: \$9.75-\$13.00.

* Glyphosate is the active ingredient in many products. The rates provided on this page are based on a 4 lb ai or 3 lb ae formulation.