

**Green Acres Milling 12/20/2024**

**Northern Iowa Crop Rotation Profitability Analysis (one year scenario)**

	2 crop conventional rotation, tillage without mill		3 crop diverse rotation, no tillage without mill			3 crop diverse rotation, no tillage with mill			Notes
	Corn	Soybeans	Corn	Soybeans	Oats	Corn	Soybeans	Oats	
<b>Revenue</b>									
Sale price	\$4.25	\$9.80	\$4.30	\$9.80	\$4.00	\$4.30	\$9.80	\$6.50	possible change with CI scoring. crediting 3.5%
Yield per acre	220	59	228	61	135	228	61	135	
Income from grazing, double crop, rye, straw					110			\$110	
<b>Revenue per acre</b>	<b>\$ 935</b>	<b>\$ 578</b>	<b>\$ 980</b>	<b>\$ 598</b>	<b>\$ 650</b>	<b>\$ 980</b>	<b>\$ 598</b>	<b>\$988</b>	
<b>Expenses excluding land cost</b>									
Seed	\$ 110	\$ 33	\$ 72	\$ 33	\$ 36	\$ 72	\$ 33	\$ 36	traited corn vs non-traited soil nutrient cycling, manure availability RR corn in 2 crop, Conventional corn w/oats, no chem used on oats, less invested, less interest
Fertilizer/lime	\$ 195	\$ 27	\$ 138	\$ 17	\$ 70	\$ 138	\$ 17	\$ 70	
Chemical	\$ 39	\$ 35	\$ 48	\$ 35	\$ -	\$ 48	\$ 35	\$ -	
Interest/opportunity cost	\$ 30	\$ 15	\$ 20	\$ 15	\$ 10	\$ 20	\$ 15	\$ 10	
Misc	\$ 16	\$ 10	\$ 16	\$ 10	\$ 10	\$ 16	\$ 10	\$ 10	
Machinery	\$ 153	\$ 140	\$ 83	\$ 74	\$ 70	\$ 83	\$ 74	\$ 70	tillage vs no-tillage. ISU rates, fixed vs variable harvest costs
Insurance	\$ 25	\$ 26	\$ 25	\$ 26	\$ -	\$ 25	\$ 26	\$ -	no crop insurance on oats
Cover crop	\$ -	\$ -	\$ -	\$ -	\$ (25)	\$ -	\$ -	\$ (25)	after government and private incentives
Insecticide/fungicide	\$ 37	\$ 24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	not needed with diverse rotation
Drying/trucking	\$ 50	\$ 20	\$ 50	\$ 20	\$ 30	\$ 50	\$ 20	\$ 30	
<b>Total Expenses excluding land costs</b>	<b>\$ 654</b>	<b>\$ 330</b>	<b>\$ 452</b>	<b>\$ 230</b>	<b>\$ 201</b>	<b>\$ 452</b>	<b>\$ 230</b>	<b>\$ 201</b>	
Land Expense	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	\$ 400	
<b>Total Expenses</b>	<b>\$ 1,054</b>	<b>\$ 730</b>	<b>\$ 852</b>	<b>\$ 630</b>	<b>\$ 601</b>	<b>\$ 852</b>	<b>\$ 630</b>	<b>\$ 601</b>	
<b>Total Incomes</b>	<b>\$ 935</b>	<b>\$ 578</b>	<b>\$ 980</b>	<b>\$ 598</b>	<b>\$ 650</b>	<b>\$ 980</b>	<b>\$ 598</b>	<b>\$ 988</b>	
<b>Profit per acre</b>	<b>\$ (119)</b>	<b>\$ (152)</b>	<b>\$ 128</b>	<b>\$ (32)</b>	<b>\$ 49</b>	<b>\$ 128</b>	<b>\$ (32)</b>	<b>\$ 387</b>	
Crops		2			3			3	
<b>Average projected profit/loss per acre</b>		<b>\$ (135)</b>			<b>\$ 49</b>			<b>\$ 161</b>	
Profit difference per acre 2 crop tillage vs 3 crop no tillage					\$ 184			\$ 296	
<b>Expense per acre</b>		<b>\$ 892</b>			<b>\$ 694</b>			<b>\$ 694</b>	\$200 less per acre invested
<b>Revenue per acre</b>		<b>\$ 757</b>			<b>\$ 743</b>			<b>\$ 855</b>	

Crop Rotation Profitability Analysis created using real numbers from Plagge Farms Inc.

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