MICHIGAN STATE UNIVERSITY | Extension

2027 Projected Cost of Production

		Corn
		Non- Irrigated
INCOME		
Gross Revenue		
Corn Cash Price		$ 4.72
Expected Corn Yield		165.00 Bushels
Acres		1 Acres
		Per Acre
Total Gross Revenue		$ 778.80

EXPENSES **Direct (Variable) Expenses**	*Price Range from FINBIN*	Per Acre
Seed	*$86 - $156*	$ 106.58
Fertilizer	*$83 - $262*	$ 164.26
Crop Chemicals	*$22 - $99*	$ 47.57
Crop Insurance	*$9 - $58*	$ 30.00
Marketing	*$1 - $16*	$ 5.00
Drying Expense	*$2 - $42*	$ 18.00
Gas/Fuel	*$9 - $54*	$ 35.00
Repairs & Maintenance	*$16 - $132*	$ 55.00
Custom Hire	*$2 - $140*	$ 20.00
Machinery Lease	*$0 - $113*	$ 15.00
Freight & Trucking	*$0 - $41*	$ 16.00
Storage	*$0 - $45*	$ 5.00
Utilities	*$1 - $40*	$ 15.00
Hired Labor	*$0 - $112*	$ 25.00
Irrigation, Energy (Diesel, Electric, etc.)		$ -
Irrigation, Repair		$ -
Interest (Operating)	*$0 - $68*	$ 18.00
Other	*$0 - $20*	$ 8.00
Enter Expense		$ -
Enter Expense		$ -
Enter Expense		$ -
Total Direct Expense		*$ 583.41*
Return Over Direct Exp ***(Gross Revenue - Direct Exp)***		***$195.39***

Overhead (Fixed) Expenses		Per Acre
Farm Insurance	*$2 - $47*	$ 12.00
Land Rent	*$78 - $332*	$ 148.00
Interest (Term)	*$0 - $41*	$ 8.00
Depreciation (Machinery & Buildings)	*$10 - $171*	$ 60.00
Other	*$0 - $20*	$ 6.00
Enter Expense		$ -
Enter Expense		$ -
Total Overhead Expense		*$ 234.00*
Total Direct & Overhead Expense		*$ 817.41*
Net Farm Income ***(Gross Rev - Direct & Overhead Exps)***		*$ (38.61)*

Break-Even Calculations

Net Return (Profit) Break-even		
Break-even $$/Bushel	$4.95	$$/Bushel
Break-even Yield/Acre	173.18	Bushels/Acre

*Base expenses (above) in **blue** are averages from FINBIN data from Michigan, Minnesota, Ohio, and Wisconsin*

*All entries in **blue** may be edited in Excel budget file*

Seed Cost Calculator

Corn Unit Price (i.e. Bag)	Units/Pkg	Planting Rate	Cost/Acre
(Enter Below)	(Enter Below)	(Enter Below)	
$ 290.00	80000	29400	**$106.58**

Fertilizer Calculator

Product	Price/Ton	Units/Acre	Applied Rate	Cost/Acre
	(Enter Below)		(Enter Below)	
28% UAN (28-0-0)	$ 507.00	Gallons	31	$83.85
Anhydrous (82-0-0)	$ 890.00	Pounds	0	$0.00
ATS (12-0-0-26S)	$ 425.00	Gallons	0	$0.00
Urea (46-0-0)	$ 722.00	Pounds	0	$0.00
DAP (18-46-0)	$ 928.00	Pounds	82	$38.05
MAP (11-52-0)	$ 935.00	Pounds	0	$0.00
APP (10-34-0)	$ 715.00	Gallons	5	$20.91
Potash (0-0-60)	$ 500.00	Pounds	55	$13.75
K-Mag (0-0-22-11Mg-21S)	$ -	Pounds	0	$0.00
AMS (21-0-0-24S)	$ 440.00	Pounds	35	$7.70
Gypsum (0-0-0-17S-21Ca)	$ -	Pounds	0	$0.00
AgLime	$ 35.00	Tons	0	$0.00
Manure (solid)	$ 50.00	Tons	0	$0.00
Manure (liquid)	$ 0.01	1,000 Gallons	0	$0.00

Activity	Rate		Trips/Season	Cost/Acre
Custom Application	$ 10.00		0	$0.00
			Total	**$164.26**

	N	P	K	S
Add "N Credit" to "Total N" →	121	58	33	8

*See note for more details

Note: All products listed in projected budget are for example purposes only and not considered an endorsement by Michigan State University.

Chemical Calculator

Weed Control

Product (Enter Below)	*Package Price* (Enter Below)	*Units/Acre* (Enter Below)	*Applied Rate* (Enter Below)	*Cost/Acre*
Armezon Pro (pre)	$ 180.00	ounces (gal)	20	$28.13
Atrazine 4L (post)	$ 22.00	quart	1	$5.50
Roundup PowerMax 3 (post)	$ 29.96	ounces (gal)	20	$4.68
Other	$ -	none	0	$0.00
Other	$ -	none	0	$0.00
Ammonium Sulfate	$ 27.90	ounces (lb.)	1.5	$2.62
Ammonium Sulfate (Liquid)	$ -	none	0	$0.00
Crop Oil Concentrate	$ -	none	0	$0.00
Drift Agent/Spreader	$ -	none	0	$0.00
Methylated Seed Oil (MSO)	$ -	none	0	$0.00
Non-Ionic Surfactant	$ -	none	0	$0.00
Other Adjuvants	$ -	none	0	$0.00

Disease & Insect Control

Product (Enter Below)	*Package Price* (Enter Below)	*Units/Acre* (Enter Below)	*Applied Rate* (Enter Below)	*Cost/Acre*
Other	$ -	none	0	$0.00
Other	$ -	none	0	$0.00
Other	$ -	none	0	$0.00
Ammonium Sulfate	$ -	none	0	$0.00
Ammonium Sulfate (Liquid)	$ -	none	0	$0.00
Crop Oil Concentrate	$ -	none	0	$0.00
Drift Agent/Spreader	$ -	none	0	$0.00
Methylated Seed Oil (MSO)	$ -	none	0	$0.00
Non-Ionic Surfactant	$ -	none	0	$0.00
Other Adjuvants	$ -	none	0	$0.00

Activity	*Rate*	*Trips/Season*	*Cost/Acre*
Scouting *(see note**)*	$ 6.65	1	$6.65
Custom Application	$ 10.00	0	$0.00
		Total	**$47.57**

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