MICHIGAN STATE UNIVERSITY | Extension

2027 Projected Cost of Production

		Corn	
		Irrigated	
INCOME **Gross Revenue**			
Corn Cash Price		$ 4.72	
Expected Corn Yield		215.00	Bushels
Acres		1	Acres
		Per Acre	
Total Gross Revenue		*$ 1,014.80*	

EXPENSES **Direct (Variable) Expenses**	*Price Range from FINBIN*	**Per Acre**
Seed	*$89 - $148*	**$ 140.70**
Fertilizer	*$80 - $292*	**$ 243.79**
Crop Chemicals	*$21 - $97*	**$ 67.83**
Crop Insurance	*$7 - $51*	**$ 30.00**
Marketing	*$1 - $11*	**$ 5.00**
Drying Expense	*$5 - $44*	**$ 22.00**
Gas/Fuel	*$11 - $52*	**$ 35.00**
Repairs & Maintenance	*$33 - $155*	**$ 60.00**
Custom Hire	*$0 - $77*	**$ 20.00**
Machinery Lease	*$0 - $10*	**$ 15.00**
Freight & Trucking	*$0 - $41*	**$ 20.00**
Storage	*$0 - $45*	**$ 7.00**
Utilities	*$0 - $24*	**$ 20.00**
Hired Labor	*$0 - $146*	**$ 25.00**
Irrigation, Energy (Diesel, Electric, etc.)	*$4 - $60*	**$ -**
Irrigation, Repair	*$20 - $40*	**$ -**
Interest (Operating)	*$0 - $49*	**$ 14.00**
Other	*$0 - $20*	**$ 8.00**
Enter Expense		**$ -**
Enter Expense		**$ -**
Enter Expense		**$ -**
Total Direct Expense		*$ 733.32*
Return Over Direct Exp ***(Gross Revenue - Direct Exp)***		***$ 281.48***

Overhead (Fixed) Expenses		**Per Acre**
Farm Insurance	*$6 - $48*	**$ 22.00**
Land Rent	*$99 - $309*	**$ 260.00**
Interest (Term)	*$0 - $40*	**$ 10.00**
Depreciation (Machinery & Buildings)	*$12 - $175*	**$ 67.00**
Other	*$0 - $20*	**$ 6.00**
Enter Expense		**$ -**
Enter Expense		**$ -**
Total Overhead Expense		*$ 365.00*
Total Direct & Overhead Expense		*$ 1,098.32*
Net Farm Income ***(Gross Rev - Direct & Overhead Exps)***		***$ (83.52)***

Break-Even Calculations

Net Return (Profit) Break-even		
Break-even $$/Bushel	**$5.11**	**$$/Bushel**
Break-even Yield/Acre	**232.69**	**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)	
$ 335.00	80000	33600	$140.70

Fertilizer Calculator

Product	Price/Ton	Units/Acre	Applied Rate	Cost/Acre
	(Enter Below)		(Enter Below)	
28% UAN (28-0-0)	$ 507.00	Gallons	51.5	$139.30
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	120	$55.68
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	72	$18.00
K-Mag (0-0-22-11Mg-21S)	$ -	Pounds	0	$0.00
AMS (21-0-0-24S)	$ 440.00	Pounds	45	$9.90
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	**$243.79**

	N	P	K	S
Add "N Credit" to "Total N" →	191	75	43	11

*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	$ -	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

Disease & Insect Control

Product (Enter Below)	*Package Price* (Enter Below)	*Units/Acre* (Enter Below)	*Applied Rate* (Enter Below)	*Cost/Acre*
Veltyma	$ 399.95	ounces (gal)	7	$21.87
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	$ 19.95	quart	0.2	$1.00
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	**$67.83**

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