



ORGANIC FACT PACK

PREPARED BY

**FLANAGAN STATE
BANK AG DEPT**

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FINBIN Organic Crop Production Data - 5 Year Averages - 2015-2019

<u>INCOME</u>						
CROP	Corn (bu)	Soybeans (bu)	Hay (T)	Barley (bu)	Wheat (bu)	Oats (bu)
Yield	126	33	4.01	49	44	62
Price	\$9.08	\$20.42	\$157.83	\$7.27	\$9.11	\$5.72
Crop Income	\$1,144	\$674	\$633	\$356	\$401	\$355
Other Income	\$49	\$48	\$17	\$48	\$77	\$29
Total Income	\$1,193	\$722	\$650	\$404	\$478	\$384
<u>EXPENSES</u>						
CROP	Corn (bu)	Soybeans (bu)	Hay (T)	Barley (bu)	Wheat (bu)	Oats (bu)
Seed	\$95	\$54	\$10	\$31	\$75	\$29
Fertilizer	\$121	\$36	\$41	\$54	\$44	\$17
Weed Control	\$9	\$10	\$2	\$1	\$0	\$3
Cover Crop	\$1	\$1	\$0	\$3	\$0	\$1
Insurance	\$34	\$28	\$12	\$15	\$9	\$13
Drying	\$14	\$1	\$0	\$0	\$0	Included
Storage	\$1	Included	\$2	\$0	\$0	Included
Supplies	\$1	Included	\$5	Included	\$0	\$1
Fuel	\$36	\$23	\$31	\$19	\$20	\$17
Repairs	\$63	\$41	\$65	\$37	\$32	\$38
Custom	\$25	\$19	\$32	\$27	\$20	\$22
Labor	\$30	\$75	\$39	\$22	\$17	\$13
Rent	\$111	\$117	\$86	\$59	\$90	\$62
Lease	\$10	\$6	\$7	\$5	\$2	\$2
Utilities	\$9	\$6	\$6	\$4	\$3	\$7
Trucking	\$3	\$2	Included	\$1	\$2	Included
Certification	\$5	\$4	\$2	\$3	\$1	\$5
Interest	\$45	\$33	\$28	\$23	\$29	\$33
Miscellaneous	\$23	\$16	\$24	\$5	\$34	\$8
R/E Tax	\$9	\$10	\$5	\$3	\$2	\$10
Dues	\$7	\$5	\$5	\$4	\$2	\$3
Depreciation	\$54	\$43	\$57	\$33	\$44	\$25
Management	\$62	\$47	\$50	\$35	\$36	\$40
Marketing	Included	Included	Included	Included	\$0.00	Included
Total Expenses	\$768	\$577	\$509	\$384	\$462	\$349
Cost per Bushel	\$6.10	\$17.48	\$126.93	\$7.84	\$10.50	\$5.63
NET RETURN	\$425	\$145	\$141	\$20	\$16	\$35
Est Labor Hours Per A	4.97 Hours	3.90 Hours	4.86 Hours	2.30 Hours	3.33 Hours	2.58 Hours
Machinery Cost Per A	\$188	\$129	\$196	\$122	\$126	\$104
Price Variance (\$)	\$1.84	\$3.77	\$44.41	\$1.66	----	\$1.79
Yield Variance (bu)	27.89 bu	10.25 bu	1.36 T	20.68 bu	----	30.38 bu
Return Variance (\$)	\$234.03	\$212.22	\$277.32	\$289.49	----	\$188.08

Numbers were rounded and adjusted from originals



Researched by: Richard Ritter
Prepared by: Logan Weber

FINBIN Organic Crop Production Data - 5 Year Averages - 2015-2019

<u>INCOME</u>		
CROP	Corn (bu)	Soybeans (bu)
Yield	185	48
Price	\$3.38	\$8.85
Crop Income	\$625	\$425
Other Income	\$43	\$45
Total Income	\$668	\$470
<u>EXPENSES</u>		
CROP	Corn (bu)	Soybeans (bu)
Seed	\$106	\$59
Fertilizer	\$120	\$21
Chemicals	\$34	\$38
Insurance	\$29	\$24
Drying	\$14	\$0
Storage	\$2	\$1
Fuel	\$23	\$14
Repairs	\$41	\$25
Custom Hire	\$11	\$7
Hired Labor	\$16	\$11
Land Rent	\$132	\$112
Leases	\$9	\$6
Utilities	\$7	\$4
Trucking	\$2	\$5
Marketing	\$2	\$1
Interest	\$35	\$22
Miscellaneous	\$9	\$6
R/E Tax	\$8	\$6
Dues	\$4	\$3
Depreciation	\$53	\$33
Management	\$47	\$30
Total Expenses	\$704	\$428
Cost per Bushel	\$3.81	\$8.92
NET RETURN PER A	-\$36	\$42
Est Labor Hours Per A	2.61 Hours	1.60 Hours
Machinery Cost Per A	\$133	\$84
Price Variance (\$)	\$0.50	\$0.79
Yield Variance (bu)	17.05 bu	7.73 bu
Return Variance (\$)	\$42	\$96

Numbers were rounded and adjusted from original data



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FINBIN Organic Crop Production Data - 5 Year Averages - 2015-2019

FINBIN Organic Crop Production Rotation - 5 Year Averages - 2015-2019

Crop	Wheat	Hay	Corn	Soybeans	AVERAGE
Gross Income	\$478	\$643	\$1,193	\$722	\$181.75
Total Expenses	\$462	\$502	\$768	\$577	4.27 Hours
Net Return	\$16	\$141	\$425	\$145	
Machinery Cost Per Acre	\$126	\$196	\$188	\$129	
Estimated Labor Per Acre	3.33 Hours	4.86 Hours	4.97 Hours	3.90 Hours	
Total 4 Year net Return:					\$727

FINBIN Conventional Crop Production Rotation - 5 Year Averages - 2015-2019

Crop	Soybeans	Corn	Soybeans	Corn	AVERAGE
Gross Income	\$470	\$668	\$470	\$668	\$3.00
Total Expenses	\$428	\$704	\$428	\$704	2.10 Hours
Net Return	\$42	-\$36	\$42	-\$36	
Machinery Cost Per Acre	\$84	\$133	\$84	\$133	
Estimated Labor Per Acre	1.60 Hours	2.61 Hours	1.60 Hours	2.61 Hours	
Total 4 Year net Return:					\$12

Annual Difference

\$178.75

Four Year Difference During Transition

\$715



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FINBIN Organic Crop Production Data - 5 Year Averages - 2015-2019

Conventional Rotation

Crop	Soybeans	Corn
Income	\$470	\$668
Expenses	\$428	\$704
Net Return Per Acre	\$42	-\$36
Net Profit Over 2 Year Rotation		\$6.00
Average Annual Income		\$3.00

VS

Organic Transitional Crop Rotation

Crop	Oats (Year 1)	Alfalfa Hay (Year 2)
Income	\$200	\$532
Expenses	\$349	\$502
Net Return Per Acre	-\$149	\$30
Net Profit Over 2 Year Rotation		-\$119
Average Annual Income		-\$59.50

Cash Difference

Cost to Transition Per Acre from Conventional	-\$62.50
Cost Per Acre If No Crops are Harvested or Sold	-\$738.00



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Estimated Cost Per Acre for Organic Transition

	<u>Hay</u>	<u>Barley</u>	<u>Oats</u>	<u>Wheat</u>	<u>Soybeans</u>	<u>Corn</u>
Income	\$532	\$254	\$200	\$237	\$347	\$475
Expenses	\$502	\$384	\$349	\$462	\$577	\$768
Net Return	\$30	-\$130	-\$149	-\$225	-\$230	-\$293

****Please Note we have not used Barley as one of our Organic Transitional crops because we have had difficulties finding buyers in our area.****

FINBIN Data is processed at the University of Minnesota. This data includes information on 2,324 farms and includes crops on 1,822,539 acres of production reported in 2019. Their territory covers 12 states.

We are using their information since they enterprise each crop separately. We also realize that everyone's numbers are different, and the purpose of this is for both illustration and to be used as a guide for your operation.



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