

Soybean, Organic-2024

<https://cals.ncsu.edu/are-extension/business-planning-and-operations/enterprise-budgets/>

ESTIMATED COSTS AND RETURNS PER ACRE, 2024- LAND RENT NOT INCLUDED

USE BLUE NUMBERS TO UPDATE BASED ON YOUR FARM RETURNS AND COST

30 BUSHEL AVERAGE YIELD.

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE
1. GROSS RECEIPTS				
SOYBEANS	BU.	30	\$20.55	\$616.50
TOTAL RECEIPTS:				\$616.50
2. VARIABLE COSTS				
SOYBEAN SEED	THOU	175	\$0.55	\$96.25
FERTILIZER				
POULTRY LITTER	TON	0	\$45.00	\$0.00
LIME SPREAD	TON	0.33	\$85.00	\$28.05
HAULING	BU.	30	\$0.60	\$18.00
TRACTOR/MACHINERY	ACRE	1	\$74.16	\$74.16
COVER CROP	BU.	2	\$48.00	\$96.00
STORAGE	BU.	25	\$0.80	\$20.00
MACHINE LABOR	HRS	2.34	\$15.81	\$37.00
HAND WEEDING	HRS	3	\$15.81	\$47.43
CONSULTING SERVICES	ACRE	1	\$45.00	\$45.00
CERTIFICATION ASSESSMENT	DOL.	616.5	5.0%	\$30.83
INTEREST ON OP. CAP.	DOL.	\$221.95	8.5%	\$18.87
TOTAL VARIABLE COSTS:				\$511.59
3. INCOME ABOVE VARIABLE COSTS:				\$104.91
4. FIXED COSTS				
TRACTOR/MACHINERY	ACRE	1	\$187.85	\$187.85
TOTAL FIXED COSTS:				\$187.85
5. OTHER COSTS				
GENERAL OVERHEAD	DOL.	\$511.59	7.0%	\$35.81
TOTAL OTHER COSTS:				\$35.81
6. TOTAL COSTS:				\$735.25
7. NET RETURNS TO LAND, RISK, AND MANAGEMENT:				-\$118.75

BREAK-EVEN YIELD

VARIABLE COSTS
TOTAL COSTS

25 BU.
36 BU.

BREAK-EVEN PRICE

VARIABLE COSTS
TOTAL COSTS

* THIS BUDGET WAS DEVELOPED FOR PLANNING PURPOSES ONLY AND DOES NOT INCLUDE LAND RENT

*EACH GROWER SHOULD CALCULATE THEIR COST BASED ON THEIR PRICE OF INPUTS AND LOCATION

*FERTILIZER IS PRICED ON A PER POUND BASIS WITH NO ADJUSTMENTS FOR NUTRIENT COST PER LB

*FIXED COST OF ORGANIC TRANSITION IS NOT INCLUDED

SOYBEANS - SAMPLE EQUIPMENT COST**PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 25 BUSHEL SOYBEANS**

MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS
5,10	HEAVY DISK 20'	3	0.36	0.30	\$16.17
5 or 6	PLANTER 16-ROW	1	0.14	0.12	\$7.75
5,6	COMBINE LARGE W/ HEADER 30'	1	0.14	0.12	\$42.80
10	GRAIN CART 2000	1	0.12	0.10	\$5.70
10	TRUCK 1.5 TON	1	0.28	0.23	\$1.74
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.04	0.87	74.16
UNALLOCATED LABOR(HRS./AC.)			1.3		

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES

YIELD	----- PRICE (\$/bu.) -----			
BU.	\$18.50	\$19.52	\$20.55	\$21.58
27	-\$10.29	\$17.25	\$45.06	\$72.87
29	\$25.51	\$55.09	\$84.96	\$114.83
30	\$43.41	\$74.01	\$104.91	\$135.81
32	\$79.21	\$111.85	\$144.81	\$177.77
33	\$97.11	\$130.77	\$164.76	\$198.75