

NC STATE UNIVERSITY
SOYBEAN ORGANIC PRODUCTION

ESTIMATED COSTS AND RETURNS PER ACRE
 20 BUSHEL YIELD, 2012

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	20.00	\$18.00	\$360.00	_____
TOTAL RECEIPTS:				\$360.00	_____
2. VARIABLE COSTS					
SEED	BU.	1.50	\$21.50	\$32.25	_____
FERTILIZER					
LIME (PRORATED)	TON	0.33	\$50.00	\$16.50	_____
CHICKEN LITTER	TON	0.00	\$36.00	\$0.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$46.18	\$46.18	_____
DRYING	BU.	0.00	\$0.12	\$0.00	_____
COVER CROP	BU.	2.00	\$48.00	\$96.00	_____
HAULING	BU.	20.00	\$0.35	\$7.00	_____
STORAGE	BU.	20.00	\$0.20	\$4.00	_____
LABOR	HRS	4.26	\$9.30	\$39.62	_____
INTEREST ON OP. CAP.	DOL.	39.22	5.00%	\$1.96	_____
TOTAL VARIABLE COSTS:				\$243.51	_____
3. INCOME ABOVE VARIABLE COSTS:				\$116.49	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	47.90	\$47.90	_____
*TRANSITION COST	ACRE	1.00	32.50	\$32.50	_____
**ORGANIC CERTIFICATION	ACRE	1.00	\$11.00	\$11.00	_____
TOTAL FIXED COSTS:				\$91.40	_____
6. TOTAL COSTS:				\$334.91	_____
7. NET RETURNS TO LAND, RISK AND MANAGEMENT:				\$25.09	_____

BREAK-EVEN YIELD

BREAK-EVEN PRICE

VARIABLE COSTS	14 BU.	VARIABLE COSTS	\$12.18
TOTAL COSTS	19 BU.	TOTAL COSTS	\$16.75

PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

*TRANSITION COST IS THREE YEAR PERIOD OF CONVERSION

FROM CONVENTION PRODUCTION TO ORGANIC AMORTIZED AT 5% FOR 10 YEARS

**ORGANIC CERTIFICATION COSTS VARY BUT ESTIMATED TO BE \$11/ACRE

SOYBEAN ORGANIC PRODUCTION

PER ACRE MACHINERY AND LABOR REQUIREMENTS FOR 26 BUSHEL SOYBEAN						
MONTH	OPERATION	TIMES OVER	LABOR HOURS	MACHINE HOURS	VARIABLE COSTS	FIXED COSTS
5	HEAVY DISK 16'	2.00	0.26	0.24	\$9.04	\$7.68
5	CULTIVATOR 6R30	2.00	0.31	0.28	\$7.40	\$4.44
6	PLANTER 8R30	1.00	0.10	0.09	\$3.94	\$4.55
6,7	SPRING TOOTH	2.00	0.24	0.22	\$2.38	\$1.62
10	COMBINE W/ HEADER	1.00	0.33	0.30	\$13.85	\$20.29
10	TRUCK 1.5 TON	1.00	0.25	0.23	\$1.44	\$2.00
10	HEAVY DISK 16'	1.00	0.13	0.12	\$4.52	\$3.84
10	GRAIN DRILL 16'	1.00	0.14	0.13	\$3.61	\$3.48
PER ACRE TOTALS FOR SELECTED OPERATIONS			1.76	1.61	46.18	47.90
UNALLOCATED LABOR(HRS./AC.)			2.50			

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
YIELD		PRICE (\$/bu.)				
BU.		\$16.20	\$17.10	\$18.00	\$18.90	\$19.80
18		\$48.09	\$64.29	\$80.49	\$96.69	\$112.89
19		\$64.29	\$81.39	\$98.49	\$115.59	\$132.69
20		\$80.49	\$98.49	\$116.49	\$134.49	\$152.49
21		\$96.69	\$115.59	\$134.49	\$153.39	\$172.29
22		\$112.89	\$132.69	\$152.49	\$172.29	\$192.09