

NC STATE UNIVERSITY
SOYBEAN ORGANIC PRODUCTION

ESTIMATED COSTS AND RETURNS PER ACRE
 26 BUSHEL YIELD, 2008

	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	26.00	\$13.00	\$338.00	_____
TOTAL RECEIPTS:				\$338.00	_____
2. VARIABLE COSTS					
SEED	BU.	1.00	\$35.00	\$35.00	_____
FERTILIZER					
LIME (PRORATED)	TON	0.33	\$52.50	\$17.33	_____
MUSHROOM COMPOST	TON	2.00	\$20.00	\$40.00	_____
TRACTOR/MACHINERY	ACRE	1.00	\$46.18	\$46.18	_____
DRYING	BU.	0.00	\$0.12	\$0.00	_____
COVER CROP	ACRE	20.00	\$1.00	\$20.00	_____
HAULING	BU.	26.00	\$0.35	\$9.10	_____
STORAGE	BU.	26.00	\$0.40	\$10.40	_____
LABOR	HRS	2.51	\$9.02	\$22.64	_____
INTEREST ON OP. CAP.	DOL.	\$49.26	9.25%	\$4.56	_____
TOTAL VARIABLE COSTS:				\$205.21	_____
3. INCOME ABOVE VARIABLE COSTS:				\$132.79	_____
4. FIXED COSTS					
TRACTOR/MACHINERY	ACRE	1.00	\$61.28	\$61.28	_____
*TRANSITION COST	ACRE	1.00	\$55.42	\$55.42	_____
**ORGANIC CERTIFICATION	ACRE				_____
TOTAL FIXED COSTS:				\$116.70	_____
6. TOTAL COSTS:				\$321.91	_____
7. NET RETURNS TO LAND, RISK AND MANAGEMENT:				\$16.09	_____

<u>BREAK-EVEN YIELD</u>		<u>BREAK-EVEN PRICE</u>	
VARIABLE COSTS	16 BU.	VARIABLE COSTS	\$7.89
TOTAL COSTS	25 BU.	TOTAL COSTS	\$12.38

PLEASE NOTE: THIS BUDGET IS FOR PLANNING PURPOSES ONLY.

*TRANSITION COST IS THREE YEAR PERIOD OF CONVERSION

FROM CONVENTION PRODUCTION TO ORGANIC AMORTIZED AT 8% FOR 10 YEARS

**ORGANIC CERTIFICATION COSTS VARY BUT ESTIMATED TO BE \$16/ACRE FOR 40 ACRES

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	\$6.54	\$7.76
5	TRUCK 2.0 TON	1.00	0.25	0.23	\$1.79	\$2.85
5	CULTIVATOR 6R30	2.00	0.31	0.28	\$5.54	\$5.22
6	PLANTER 6R30	1.00	0.13	0.12	\$2.71	\$3.59
5,6,7,8	ROLLING CULTIVATOR 6-ROW	4.00	0.79	0.72	\$8.92	\$8.12
8	WEEDER - LELY 18'	1.00	0.17	0.15	\$2.94	\$2.63
8	COMBINE W/ HEADER	1.00	0.33	0.30	\$11.73	\$23.65
8	HEAVY DISK 16'	1.00	0.13	0.12	\$3.27	\$3.88
8	GRAIN DRILL 16'	1.00	0.14	0.13	\$2.74	\$3.58
PER ACRE TOTALS FOR SELECTED OPERATIONS			2.51	2.29	46.18	61.28
UNALLOCATED LABOR(HRS./AC.)						

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES					
YIELD	PRICE (\$/bu.)				
BU.	\$11.70	\$12.35	\$13.00	\$13.65	\$14.30
23	\$68.57	\$83.78	\$98.99	\$114.20	\$129.41
25	\$83.78	\$99.84	\$115.89	\$131.95	\$148.00
26	\$98.99	\$115.89	\$132.79	\$149.69	\$166.59
27	\$114.20	\$131.95	\$149.69	\$167.44	\$185.18
29	\$129.41	\$148.00	\$166.59	\$185.18	\$203.77