

SOYBEANS-RR, Minimum Tillage (Productivity Group 3-4 Soils)

ESTIMATED COSTS AND RETURNS PER ACRE
30 BUSHEL YIELD

Acres
1

	UNIT	QUANTITY PER ACRE	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
SOYBEANS	BU.	30.00	\$6.30	\$189.00	-----
TOTAL RECEIPTS:				\$189.00	-----
2. PRE-HARVEST VARIABLE COSTS					
SEED: SOYBEANS	BAG	1.00	\$30.88	\$30.88	-----
FERTILIZER*	Soil Test Recommendation				
NITROGEN	LBS	0.00	\$0.38	\$0.00	-----
PHOSPHATE	LBS	31.00	\$0.32	\$9.92	-----
POTASH	LBS	55.00	\$0.26	\$14.30	-----
FERTILIZER APPLICATION	ACRE	1.00	\$7.25	\$7.25	-----
LIME (PRORATED)	TON	0.33	\$32.50	\$10.73	-----
HERBICIDES	ACRE	1.00	\$15.58	\$15.58	-----
INSECTICIDES	ACRE	1.00	\$2.50	\$2.50	-----
FUNGICIDES	ACRE	1.00	\$0.00	\$0.00	-----
GROWTH REGULATOR	ACRE	1.00	\$0.00	\$0.00	-----
CHEMICAL APPLICATION	ACRE	0.00	\$7.00	\$0.00	-----
FUEL,OIL, LUBE	Eq Gallons	1.98	\$2.35	\$4.66	-----
REPAIRS	ACRE	1.00	\$6.26	\$6.26	-----
PRE-HARVEST LABOR	HRS	0.64	\$12.00	\$7.68	-----
CASH RENT OR LAND CHARGE	ACRE	1.00	\$0.00	\$0.00	-----
CROP INSURANCE	ACRE	1.00	\$13.28	\$13.28	-----
SCOUTING	ACRE	1.00	\$0.00	\$0.00	-----
OTHER COSTS	ACRE	1.00	\$0.00	\$0.00	-----
PRODUCTION INTEREST	6 MONTHS	\$61.52	7.0%	\$4.31	-----
TOTAL PRE-HARVEST COSTS		\$4.25 PER BU.		\$127.35	-----
3. HARVEST VARIABLE COSTS					
FUEL,OIL, LUBE	Eq Gallons	2.96	\$2.35	\$6.96	-----
REPAIRS	ACRE	1.00	\$6.82	\$6.82	-----
HARVEST LABOR	HRS	0.36	\$12.00	\$4.32	-----
HAULING	BU.	30.00	\$0.18	\$5.40	-----
STORAGE	BU.	30.00	\$0.00	\$0.00	-----
DRYING	BU.	30.00	\$0.00	\$0.00	-----
TOTAL HARVEST COSTS:		\$0.78 PER BU.		\$23.50	-----
4. TOTAL VARIABLE COSTS	Breakeven Yield 24 BU.		Breakeven Price \$5.03 PER BU.	\$150.85	-----
5. RETURN OVER TOTAL VARIABLE COSTS				\$38.15	-----
6. MACHINERY FIXED COSTS (BASED ON NEW EQUIPMENT COST)					
TRACTOR & MACHINERY	ACRE	1.00	\$50.73	\$50.73	-----
7. OTHER FIXED COSTS					
GENERAL OVERHEAD	DOL.	\$150.85	8.0%	\$12.07	-----
8. TOTAL FIXED COSTS:				\$62.80	-----
9. TOTAL VARIABLE & FIXED COSTS		\$7.12 PER BU.		\$213.65	-----
10. PROJECTED NET RETURNS TO LAND, RISK AND MANAGEMENT:				-\$24.65	-----

* This BUDGET is for PLANNING PURPOSES ONLY. Fertilizer rates are based on projected nutrient removal of harvested crop.

* Fertilizer requirements will vary with application method, manure use and/or residual nutrient levels in the soil.

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PER ACRE MACHINERY AND LABOR REQUIREMENTS							
MONTH	OPERATION	Times OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, & LUBE	REPAIR COSTS	FIXED COSTS
PRE-HARVEST							
May	100HP + Planter 6-Row	1	0.21	0.19	\$2.26	\$4.52	\$7.15
May	75HP + Boom Sprayer - 30FT	1	0.10	0.09	\$0.80	\$0.58	\$1.93
June	75HP + Boom Sprayer - 30FT	1	0.10	0.09	\$0.80	\$0.58	\$1.93
August	75HP + Boom Sprayer - 30FT	1	0.10	0.09	\$0.80	\$0.58	\$1.93
25%	UNALLOCATED LABOR(HRS./AC.)		0.13				
	SUB-TOTAL PRE-HARVEST		0.64	0.46	\$4.66	\$6.26	\$12.94
HARVEST							
October	Combine + Grain Table 15 FT	1	0.29	0.26	\$6.96	\$6.82	\$37.79
25%	UNALLOCATED LABOR(HRS./AC.)		0.07				
	SUB-TOTAL HARVEST		0.36	0.26	\$6.96	\$6.82	\$37.79

\$2.35 Fuel

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
FARM YIELD	TOTAL VARIABLE COSTS COST/ACRE	FARM PRICE (\$/bu.)				
BU.		\$5.04	\$5.67	\$6.30	\$6.93	\$7.56
24	\$144.93	(\$23.97)	(\$8.85)	\$6.27	\$21.39	\$36.51
27	\$147.89	(\$11.81)	\$5.20	\$22.21	\$39.22	\$56.23
30	\$150.85	\$0.35	\$19.25	\$38.15	\$57.05	\$75.95
33	\$153.81	\$12.51	\$33.30	\$54.09	\$74.88	\$95.67
36	\$156.77	\$24.67	\$47.35	\$70.03	\$92.71	\$115.39

10% Table Sensitivity

CHEMICAL USE ASSUMPTIONS						
TYPE	Trade Name	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH
H	Roundup or other formulations	QT	1.50	\$5.19	\$7.79	May
H	Roundup or other formulations	QT	1.50	\$5.19	\$7.79	June
I	Asana XL	OZ	3.90	\$0.64	\$2.50	August
Notes	Chemical Type: H = Herbicide; I = Insecticide; F = Fungicide; G = Growth Regulator					

Trade and brand names are used only for the purpose of providing information. Virginia Cooperative Extension does not guarantee or warrant the standard of any product named to the exclusion of others which also may be suitable.