

SOYBEANS-RR, Minimum Tillage (Productivity Group 1-2 Soils)

ESTIMATED COSTS AND RETURNS PER ACRE
40 BUSHEL YIELD

Acres
1

| | UNIT | QUANTITY PER ACRE | PRICE OR COST/UNIT | TOTAL PER ACRE | YOUR FARM |
|--|--------------------------|-----------------------|-----------------------|-------------------|--------------|
| 1. GROSS RECEIPTS | | | | | |
| SOYBEANS | BU. | 40.00 | \$6.30 | \$252.00 | ----- |
| TOTAL RECEIPTS: | | | | \$252.00 | ----- |
| 2. PRE-HARVEST VARIABLE COSTS | | | | | |
| SEED: SOYBEANS | BAG | 0.75 | \$18.25 | \$13.69 | ----- |
| FERTILIZER* | Soil Test Recommendation | | | | |
| NITROGEN | LBS | 0.00 | \$0.38 | \$0.00 | ----- |
| PHOSPHATE | LBS | 42.00 | \$0.32 | \$13.44 | ----- |
| POTASH | LBS | 73.00 | \$0.26 | \$18.98 | ----- |
| 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 | 1.00 | \$7.00 | \$7.00 | ----- |
| 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 | \$15.49 | \$15.49 | ----- |
| SCOUTING | ACRE | 1.00 | \$0.00 | \$0.00 | ----- |
| OTHER COSTS | ACRE | 1.00 | \$0.00 | \$0.00 | ----- |
| PRODUCTION INTEREST | 6 MONTHS | \$61.63 | 7.0% | \$4.31 | ----- |
| TOTAL PRE-HARVEST COSTS | | \$3.19 PER BU. | | \$127.57 | ----- |
| 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. | 40.00 | \$0.18 | \$7.20 | ----- |
| STORAGE | BU. | 40.00 | \$0.00 | \$0.00 | ----- |
| DRYING | BU. | 40.00 | \$0.00 | \$0.00 | ----- |
| TOTAL HARVEST COSTS: | | \$0.63 PER BU. | | \$25.30 | ----- |
| 4. TOTAL VARIABLE COSTS | | 24 BU. | \$3.82 PER BU. | \$152.87 | ----- |
| 5. RETURN OVER TOTAL VARIABLE COSTS | | | | \$99.13 | ----- |
| 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. | \$152.87 | 8.0% | \$12.23 | ----- |
| 8. TOTAL FIXED COSTS: | | | | \$62.96 | ----- |
| 9. TOTAL VARIABLE & FIXED COSTS | | \$5.40 PER BU. | | \$215.83 | ----- |
| 10. PROJECTED NET RETURNS TO LAND, RISK AND MANAGEMENT: | | | | \$36.17 | ----- |

* 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.

| SOYBEANS-RR, Minimum Tillage (Productivity Group 1-2 Soils) | | | | | | | |
|---|-----------------------------|------------|-------------|---------------|-------------------|--------------|-------------|
| 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 |
| 32 | \$144.95 | \$16.33 | \$36.49 | \$56.65 | \$76.81 | \$96.97 |
| 36 | \$148.91 | \$32.53 | \$55.21 | \$77.89 | \$100.57 | \$123.25 |
| 40 | \$152.87 | \$48.73 | \$73.93 | \$99.13 | \$124.33 | \$149.53 |
| 44 | \$156.83 | \$64.93 | \$92.65 | \$120.37 | \$148.09 | \$175.81 |
| 48 | \$160.79 | \$81.13 | \$111.37 | \$141.61 | \$171.85 | \$202.09 |

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.