

Switchgrass No-Till Establishment

ESTIMATED COSTS AND RETURNS PER ACRE

Acres

1

	UNIT	QUANTITY PER ACRE	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
		0.00	\$0.00	\$0.00	_____
TOTAL RECEIPTS:				\$0.00	_____
2. PRE-HARVEST VARIABLE COSTS					
SEED: Switchgrass	LBS PLS	10.00	\$8.25	\$82.50	_____
				\$0.00	_____
FERTILIZER* <small>Soil Test Recommendation</small>					
NITROGEN	LBS	0.00	\$0.38	\$0.00	_____
PHOSPHATE	LBS	40.00	\$0.32	\$12.80	_____
POTASH	LBS	40.00	\$0.26	\$10.40	_____
FERTILIZER APPLICATION	ACRE	1.00	\$7.25	\$7.25	_____
LIME (5.5 pH)	TON	0.50	\$32.50	\$16.25	_____
HERBICIDES	ACRE	1.00	\$15.56	\$15.56	_____
INSECTICIDES	ACRE	1.00	\$0.00	\$0.00	_____
FUNGICIDES	ACRE	1.00	\$0.00	\$0.00	_____
CHEMICAL APPLICATION	ACRE	0.00	\$7.00	\$0.00	_____
FUEL,OIL, LUBE	Eq Gallons	1.71	\$2.35	\$4.03	_____
REPAIRS	ACRE	1.00	\$7.64	\$7.64	_____
PRE-HARVEST LABOR	HRS	0.49	\$12.00	\$5.88	_____
CASH RENT OR LAND CHARGE	ACRE	1.00	\$0.00	\$0.00	_____
CROP INSURANCE	ACRE	1.00	\$0.00	\$0.00	_____
SCOUTING	ACRE	1.00	\$0.00	\$0.00	_____
OTHER COSTS	ACRE	1.00	\$0.00	\$0.00	_____
PRODUCTION INTEREST	12 MONTHS	\$162.31	7.0%	\$11.36	_____
TOTAL PRE-HARVEST COSTS				\$173.67	_____
3. HARVEST VARIABLE COSTS					
FUEL,OIL, LUBE	Eq Gallons	0.00	\$2.35	\$0.00	_____
REPAIRS	ACRE	1.00	\$0.00	\$0.00	_____
HARVEST LABOR	HRS	0.00	\$12.00	\$0.00	_____
HAULING	TON	0.00	\$0.18	\$0.00	_____
STORAGE	TON	0.00	\$0.00	\$0.00	_____
DRYING	TON	0.00	\$0.00	\$0.00	_____
TOTAL HARVEST COSTS:				\$0.00	_____
		Breakeven Yield	Breakeven Price		
4. TOTAL VARIABLE COSTS				\$173.67	_____
5. RETURN OVER TOTAL VARIABLE COSTS				NA	_____
6. MACHINERY FIXED COSTS (BASED ON NEW EQUIPMENT COST)					
TRACTOR & MACHINERY	ACRE	1.00	\$13.10	\$13.10	_____
7. OTHER FIXED COSTS					
GENERAL OVERHEAD	DOL.	\$173.67	8.0%	\$13.89	_____
8. TOTAL FIXED COSTS:				\$26.99	_____
9. TOTAL VARIABLE & FIXED COSTS				\$200.66	_____
10. PROJECTED NET RETURNS TO LAND, RISK AND MANAGEMENT:					NA

* 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.

Switchgrass No-Till Establishment							
PER ACRE MACHINERY AND LABOR REQUIREMENTS							
MONTH	OPERATION	Times OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, & LUBE	REPAIR COSTS	FIXED COSTS
PRE-HARVEST							
August	75HP + Boom Sprayer - 30 FT	2	0.20	0.18	\$1.60	\$1.16	\$3.86
August	120MFWD + No-Till Drill 15 FT	1	0.19	0.17	\$2.43	\$6.48	\$9.24
25%	UNALLOCATED LABOR(HRS./AC.)		0.10				
	SUB-TOTAL PRE-HARVEST		0.49	0.35	\$4.03	\$7.64	\$13.10
HARVEST							
25%	UNALLOCATED LABOR(HRS./AC.)		0.00				
	SUB-TOTAL HARVEST		0.00	0.00	\$0.00	\$0.00	\$0.00

\$2.35 Fuel

CHEMICAL USE ASSUMPTIONS							
TYPE	Trade Name	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
H	Gramoxone Inteon	PT	4.00	\$3.40	\$13.60	August 2X	
H	Surfactant	PT	2.00	\$0.98	\$1.96	August 2X	
Notes Chemical Type: H = Herbicide; I = Insecticide; F = Fungicide							

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.