

**CORN SILAGE, BARLEY SILAGE Double Crop**

ESTIMATED COSTS AND RETURNS PER ACRE  
22 TON TOTAL YIELD

Acres  
**1**

	UNIT	QUANTITY PER ACRE	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
<b>1. GROSS RECEIPTS</b>					
CORN SILAGE	TON	15.00	\$30.00	\$450.00	_____
BARLEY SILAGE	TON	7.00	\$25.00	\$175.00	_____
TOTAL RECEIPTS:				<b>\$625.00</b>	_____
<b>2. PRE-HARVEST VARIABLE COSTS</b>					
SEED: CORN	BAG	0.25	\$90.00	\$22.50	_____
SEED: BARLEY	BAG	2.00	\$6.92	\$13.84	_____
FERTILIZER*	Soil Test Recommendation				
NITROGEN	LBS	233.00	\$0.38	\$88.54	_____
PHOSPHATE	LBS	80.00	\$0.32	\$25.60	_____
POTASH	LBS	250.00	\$0.26	\$65.00	_____
FERTILIZER APPLICATION	ACRE	2.00	\$7.25	\$14.50	_____
LIME (PRORATED)	TON	0.50	\$32.50	\$16.25	_____
HERBICIDES	ACRE	1.00	\$29.08	\$29.08	_____
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	2.63	\$2.35	\$6.17	_____
REPAIRS	ACRE	1.00	\$11.39	\$11.39	_____
PRE-HARVEST LABOR	HRS	0.74	\$12.00	\$8.88	_____
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	6 MONTHS	\$150.88	7.0%	\$10.56	_____
<b>TOTAL PRE-HARVEST COSTS</b>				<b>\$312.31</b>	_____
<b>3. HARVEST VARIABLE COSTS</b>					
FUEL,OIL, LUBE	Eq Gallons	13.34	\$2.35	\$31.34	_____
REPAIRS	ACRE	1.00	\$29.97	\$29.97	_____
HARVEST LABOR	HRS	4.39	\$12.00	\$52.68	_____
HAULING	TON	15.00	\$0.00	\$0.00	_____
STORAGE	TON	15.00	\$0.00	\$0.00	_____
DRYING	TON	15.00	\$0.00	\$0.00	_____
<b>TOTAL HARVEST COSTS:</b>				<b>\$113.99</b>	_____
<b>4. TOTAL VARIABLE COSTS</b>				<b>\$426.30</b>	_____
<b>5. RETURN OVER TOTAL VARIABLE COSTS</b>				<b>\$198.70</b>	_____
<b>6. MACHINERY FIXED COSTS (BASED ON NEW EQUIPMENT COST)</b>					
TRACTOR & MACHINERY	ACRE	1.00	\$111.97	\$111.97	_____
<b>7. OTHER FIXED COSTS</b>					
GENERAL OVERHEAD	DOL.	\$426.30	8.0%	\$34.10	_____
<b>8. TOTAL FIXED COSTS:</b>				<b>\$146.07</b>	_____
<b>9. TOTAL VARIABLE &amp; FIXED COSTS</b>				<b>\$572.37</b>	_____
<b>10. PROJECTED NET RETURNS TO LAND, RISK AND MANAGEMENT:</b>				<b>\$52.63</b>	_____

\* 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.

CORN SILAGE, BARLEY SILAGE Double Crop							
PER ACRE MACHINERY AND LABOR REQUIREMENTS							
MONTH	OPERATION	Times OVER	LABOR HOURS	MACHINE HOURS	FUEL, OIL, & LUBE	REPAIR COSTS	FIXED COSTS
PRE-HARVEST							
April	75HP+Boom Sprayer - 30Ft	1	0.10	0.09	\$0.80	\$0.58	\$1.93
May	100HP + Planter 6-Row	1	0.20	0.18	\$2.14	\$3.75	\$6.08
October	75HP+Boom Sprayer - 30Ft	1	0.10	0.09	\$0.80	\$0.58	\$1.93
October	120MFWD + No-till Drill 15Ft	1	0.19	0.17	\$2.43	\$6.48	\$9.24
25%	UNALLOCATED LABOR(HRS./AC.)		0.15				
	SUB-TOTAL PRE-HARVEST		0.74	0.53	\$6.17	\$11.39	\$19.18
HARVEST							
May	100MFWD + Forage Harvester PKL	1	0.69	0.63	\$7.49	\$8.68	\$22.59
May	55HP + Mower-Conditioner - 9 Ft	1	0.31	0.28	\$1.83	\$1.63	\$6.00
May	75HP + Silage Wagon	1	0.63	0.57	\$5.08	\$3.81	\$14.24
Sept.	100MFWD + Forage Harvester 2R	1	0.63	0.57	\$6.78	\$8.23	\$21.48
Sept.	75HP + Silage Wagon	2	1.25	1.14	\$10.16	\$7.62	\$28.48
25%	UNALLOCATED LABOR(HRS./AC.)		0.88				
	SUB-TOTAL HARVEST		4.39	3.19	\$31.34	\$29.97	\$92.79

\$2.35 Fuel

CHEMICAL USE ASSUMPTIONS							
TYPE	Trade Name	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH	
H	Atrazine	QT	1.60	\$2.20	\$3.52	April	
H	Dual II Magnum	PT	1.67	\$11.96	\$19.97	April	
H	Gramoxone Inteon	PT	1.50	\$3.40	\$5.10	Sept.	
H	Surfactant	PT	0.50	\$0.98	\$0.49	Sept.	
Notes	A soil insecticide / seed treatment may be needed for Continuous Corn. (Corn Rootworm Control) 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.