

Dark-Fired Tobacco - Contract, Irrigated

ESTIMATED COSTS AND RETURNS PER ACRE
1800 POUND YIELD

Acres
1

	UNIT	QUANTITY PER ACRE	PRICE OR COST/UNIT	TOTAL PER ACRE	YOUR FARM
1. GROSS RECEIPTS					
Dark-Fired Tobacco	POUNDS	1800	\$1.98	\$3,564.00	_____
TOTAL RECEIPTS:				\$3,564.00	_____
2. PRE-HARVEST VARIABLE COSTS					
Tobacco Plants - Dark-Fired	1M	6.50	\$30.00	\$195.00	_____
Cover Crop: Rye	BU.	2.00	\$10.35	\$20.70	_____
LIME (Pro-Rated)	TON	0.56	\$32.50	\$18.20	_____
Frow: Fertilizer (6-12-18)	CWT	8.50	\$19.25	\$163.63	_____
Sidedress: (15-0-0)	CWT	2.50	\$18.30	\$45.75	_____
Herbicides	ACRE	1.00	\$5.36	\$5.36	_____
Insecticides	ACRE	1.00	\$68.78	\$68.78	_____
Fungicides	ACRE	1.00	\$88.03	\$88.03	_____
Nematicides / Fumigants	ACRE	1.00	\$0.00	\$0.00	_____
Sucker Control	ACRE	1.00	\$54.22	\$54.22	_____
Crop & Hail Insurance	ACRE	1.00	\$119.70	\$119.70	_____
Cash Rent or Land Charge	ACRE	1.00	\$0.00	\$0.00	_____
Tractor Equipment: Fuel & Oil	Eq Gallons	45.26	\$2.35	\$106.36	_____
Tractor Equipment: Repairs	ACRE	1.00	\$58.88	\$58.88	_____
Tractor Equipment: Labor	HRS	23.91	\$12.00	\$286.92	_____
Hand Production Labor	HRS	40.00	\$11.02	\$440.80	_____
PRODUCTION INTEREST	8 MONTHS	\$1,114.89	7.0%	\$78.04	_____
TOTAL PRE-HARVEST COSTS		\$0.97 PER Pound		\$1,750.37	_____
3. HARVEST VARIABLE COSTS					
Tractor Equipment: Fuel & Oil	Eq Gallons	18.93	\$2.35	\$44.49	_____
Tractor Equipment: Repairs	ACRE	1.00	\$17.36	\$17.36	_____
Tractor Equipment: Labor	HRS	5.09	\$12.00	\$61.08	_____
Hand Harvest Labor	HRS	160.00	\$11.02	\$1,763.20	_____
Curing Fuel (Wood)	ACRE	1.00	\$0.00	\$0.00	_____
Building Ins. & Electricity	ACRE	1.00	\$25.00	\$25.00	_____
Supplies	ACRE	1.00	\$30.00	\$30.00	_____
TOTAL HARVEST COSTS:		\$1.08 PER Pound		\$1,941.13	_____
4. TOTAL VARIABLE COSTS		Breakeven Yield 1864 Pounds	Breakeven Price \$2.05 PER Pound	\$3,691.50	_____
5. RETURN OVER TOTAL VARIABLE COSTS				-\$127.50	_____
6. MACHINERY FIXED COSTS (BASED ON NEW EQUIPMENT COST)					
TRACTOR & MACHINERY	ACRE	1.00	\$287.14	\$287.14	_____
7. OTHER FIXED COSTS					
GENERAL OVERHEAD	DOL.	\$3,691.50	8.0%	\$295.32	_____
8. TOTAL FIXED COSTS:				\$582.46	_____
9. TOTAL VARIABLE & FIXED COSTS		\$2.37 PER Pound		\$4,273.96	_____
10. PROJECTED NET RETURNS TO LAND, RISK AND MANAGEMENT:				-\$709.96	_____

* This BUDGET is for PLANNING PURPOSES ONLY.

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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							
	Pickup Truck (3 gph)		6.60	6.00	\$51.78	\$14.82	\$37.74
4	75HP + 3-18 Reversible Plow	1	0.69	0.63	\$5.63	\$6.03	\$7.70
4	75HP + Offset Disk 7 FT	1	0.38	0.35	\$3.12	\$2.33	\$5.84
11	75HP + Grain Drill w/Fertilizer 13 F	1	0.18	0.16	\$1.43	\$1.82	\$4.12
5	75HP + Subsoiler-Bedder 2R	1	0.53	0.48	\$4.32	\$3.88	\$6.31
5	55HP + Tobacco Transplanter 2R	1	0.97	0.88	\$7.85	\$10.38	\$13.62
6 & 7	55HP +Cultivator 2R	3	0.59	0.54	\$4.83	\$2.94	\$6.30
5, 6, & 7	55HP + Boom Sprayer - 15 FT	5	0.99	0.90	\$5.90	\$4.05	\$14.15
6 & 7	55HP + Sidedress Attachment 2R	1	0.62	0.56	\$5.00	\$2.66	\$6.14
11	75HP + Tandem Disk 11FT Rigid	1	0.22	0.20	\$1.78	\$1.57	\$3.90
	IRRIGATION (Sprinkler Gun)	2	7.36	4.50	\$14.72	\$8.40	\$137.08
25%	UNALLOCATED LABOR(HRS./AC.)		4.78				
	SUB-TOTAL PRE-HARVEST		23.91	15.20	\$106.36	\$58.88	\$242.90
HARVEST							
8	75HP + Tobacco Trailer	5	1.87	1.70	\$15.15	\$6.40	\$16.30
	Full-size Diesel Truck		2.20	2.00	\$29.34	\$10.96	\$27.94
25%	UNALLOCATED LABOR(HRS./AC.)		1.02				
	SUB-TOTAL HARVEST		5.09	3.70	\$44.49	\$17.36	\$44.24

\$2.35 Fuel

INCOME ABOVE VARIABLE COSTS AT DIFFERING YIELDS AND PRICES						
FARM YIELD	TOTAL VARIABLE COSTS COST/ACRE	FARM PRICE (\$/pound)				
Pounds		\$1.88	\$1.94	\$1.98	\$2.02	\$2.08
1440	\$3,691.50	(\$984.30)	(\$897.90)	(\$840.30)	(\$782.70)	(\$696.30)
1620	\$3,691.50	(\$645.90)	(\$548.70)	(\$483.90)	(\$419.10)	(\$321.90)
1800	\$3,691.50	(\$307.50)	(\$199.50)	(\$127.50)	(\$55.50)	\$52.50
1980	\$3,691.50	\$30.90	\$149.70	\$228.90	\$308.10	\$426.90
2160	\$3,691.50	\$369.30	\$498.90	\$585.30	\$671.70	\$801.30

10% Table Sensitivity

CHEMICAL USE ASSUMPTIONS						
TYPE	Trade Name	UNIT	QUANTITY	PRICE OR COST/UNIT	TOTAL PER ACRE	MONTH PERIOD
H	Prowl H ₂ O	PT	2.00	\$2.68	\$5.36	PPI
F	Ridomil Gold 4EC	PT	1.00	\$88.03	\$88.03	PPI
I	Lorsban 4E	PT	4.50	\$3.77	\$16.97	PPI
I	Admire Pro 4.6 SC	OZ	3.00	\$7.90	\$23.70	TPW
I	Dipel DF	LB	1.00	\$9.36	\$9.36	
I	Orthene 97	LB	1.50	\$12.50	\$18.75	2X
G	Prime Plus	QT	3.60	\$15.06	\$54.22	Drop Line

Notes Chemical Type: H = Herbicide; I = Insecticide; F = Fungicide; G = Growth Regulator; X=Nemacides/Fumigants;

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.