



AGRICULTURAL EXTENSION SERVICE
THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE

AE & RD INFO NO. 25

**FIELD CROP
BUDGETS
FOR 1993**

Agricultural Economics and Resource Development

Agricultural Extension Service

University of Tennessee

December, 1992

BURLEY TOBACCO

ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
REVENUE						
TOBACCO		LB.	2100.00	1.75	3675.00	_____
EXPENSES, VARIABLE (PLANT BED)						
SEED (1)	HYBRID 1/12 OZ.	PKG.	2.00	8.00	16.00	_____
FERTILIZER	4-16-4	CWT	0.50	9.90	4.95	_____
GAS COVER	103' X 10 1/2', 3 MIL.		1.00	14.68	14.68	_____
BED COVER	100' X 9', POLYESTER		1.00	25.19	25.19	_____
INSECTICIDE	DISYSTON	OZ.	1.00	0.09	0.09	_____
FUNGICIDE (2)	RIDOMIL	QT.	0.04	35.81	1.43	_____
FUMIGANT	METHYL BROMIDE 1 1/2 LB.		5.00	1.91	9.55	_____
APPLICATOR	PRORATED 3 YEARS	1	3.00	1.00	3.00	_____
MACHINERY		AC.	1.00	28.91	28.91	_____
TOTAL					103.81	_____
EXPENSES, VARIABLE (FIELD AND OTHER) (3)						
COVER CROP	WHEAT, RYE, BARLEY	BU.	2.00	7.00	14.00	_____
FERTILIZER	5-10-15	CWT	15.00	10.40	156.00	_____
	NITROGEN	LB.	90.00	0.26	23.40	_____
LIME		TON	0.40	13.50	5.40	_____
INSECT CONTROL (4)	ORTHENE 75 W.P.	LB.	4.00	9.41	37.64	_____
DISEASE CONTROL	RIDOMIL	QT.	2.00	35.81	71.62	_____
HERBICIDE	PROWL 4 E.C.	PT.	2.50	8.00	20.00	_____
SUCKER CONTROL	ROYAL MH-30	GAL.	2.00	11.35	22.70	_____
MARKET FEES	4.5% + \$1/CWT				186.38	_____
HAULING	TO MARKET	CWT	21.00	1.20	25.20	_____
PROGRAM COSTS (5)	NO NET COST, GRADING	CWT	21.00	0.91	19.07	_____
ASSESSMENT	1/2% OF SUPPORT	CWT	21.00	0.79	16.63	_____
MACHINERY		AC.	1.00	82.83	82.83	_____
TOTAL VARIABLE EXPENSES					784.67	_____
RETURN ABOVE VARIABLE EXPENSES					2890.33	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	77.41	77.41	_____
TOBACCO STICKS	PRORATED OVER 8 YRS.		1600.00	0.15	30.00	_____
BARN (6)					217.50	_____
TOTAL FIXED EXPENSES					324.91	_____
TOTAL VARIABLE AND FIXED EXPENSES					1109.58	_____
NET RETURN TO QUOTA, LAND, LABOR, CAPITAL, AND MANAGEMENT					2565.42	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	784.67	0.08	31.39	_____
FIXED CAPITAL	EQUIP. @ BARN	AC.			235.99	_____
TOTAL					267.38	_____
NET RETURN TO QUOTA, LAND, LABOR, AND MANAGEMENT					2298.05	_____
LABOR		HR.	316.58	5.25	1662.03	_____
NET RETURN TO QUOTA, LAND AND MANAGEMENT					636.01	_____

COTTON - PICKER OWNED
ESTIMATED RETURNS AND EXPENSES PER ACRE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i>QUANTITY</i>	<i>PRICE</i>	<i>AMOUNT</i>	<i>YOUR</i>
				(\$)	(\$)	<i>FARM</i>
REVENUE (1)						
COTTON	LINT	LB.	650.00	0.56	364.00	_____
					TOTAL	364.00
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	15.00	0.75	11.25	_____
FUNGICIDE(2)	TERRACLOR SUPER X	LB	8.00	1.45	11.60	_____
	TEMIK	LB	3.00	2.86	8.58	_____
INSECTICIDE	BIDRIN	OZ.	1.60	0.65	1.04	_____
FERTILIZER	N	LB.	60.00	0.26	15.60	_____
	P2O5	LB.	60.00	0.21	12.60	_____
	K2O	LB.	60.00	0.14	8.40	_____
BORON		LB.	0.50	2.38	1.19	_____
LIME		TON	0.50	13.50	6.75	_____
HERBICIDE						
PRE-EMERGE(3)	TREFLAN E.C.	PT.	1.50	4.28	6.42	_____
	COTORAN (BAND) 4L	PT.	1.50	7.63	11.45	_____
POST-EMERGE(4)	MSMA (DIRECT)	PT.	1.00	2.05	2.05	_____
	CAPAROL	PT.	0.66	3.94	2.60	_____
INSECTICIDE(5)	MID SEASON	APP.	1.00	2.00	2.00	_____
DEFOLIANT	CUSTOM-AIRPLANE	ACRE	1.00	7.50	7.50	_____
MACHINERY		AC.	1.00	65.61	65.61	_____
					TOTAL VARIABLE EXPENSES	174.63
					RETURN ABOVE VARIABLE EXPENSES	189.37
FIXED EXPENSES						
MACHINERY		AC.	1.00	86.10	86.10	_____
					TOTAL FIXED EXPENSES	86.10
					TOTAL VARIABLE AND FIXED EXPENSES	260.73
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	103.27
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	174.63	0.08	6.99	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			35.43	_____
					TOTAL	42.42
					NET RETURN TO LAND, LABOR AND MANAGEMENT	60.85
LABOR		HR.	5.74	5.25	30.12	_____
					NET RETURN TO LAND AND MANAGEMENT	30.73

---DOES NOT INCLUDE GOVERNMENT PROGRAM PAYMENTS OR COSTS---

CORN - CONVENTIONAL TILLAGE
ESTIMATED RETURNS AND EXPENSES PER ACRE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i>QUANTITY</i>	<i>PRICE</i>	<i>AMOUNT</i>	<i>YOUR</i>
				(\$)	(\$)	<i>FARM</i>
REVENUE						
CORN(1)	GRAIN	BU.	110.00	2.25	247.50	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	21.00	0.95	19.95	_____
FERTILIZER	N	LB.	120.00	0.26	31.20	_____
	P2O5	LB.	60.00	0.21	12.60	_____
	K2O	LB.	60.00	0.14	8.40	_____
LIME	AG LIMESTONE	TON	0.50	13.50	6.75	_____
WEED CONTROL						
ATRAZINE 4L	4#/GAL.	QT.	1.25	2.83	3.54	_____
LASSO	4#/GAL.	QT.	2.00	6.75	13.50	_____
MACHINERY		AC.	1.00	31.00	31.00	_____

					TOTAL VARIABLE EXPENSES	126.94
					RETURN ABOVE VARIABLE EXPENSES	120.56
FIXED EXPENSES						
MACHINERY		AC.	1.00	41.89	41.89	_____

					TOTAL FIXED EXPENSES	41.89

					TOTAL VARIABLE AND FIXED EXPENSES	168.83

					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	78.67
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	126.94	0.08	5.08	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			17.30	_____

					TOTAL	22.38
					NET RETURN TO LAND, LABOR AND MANAGEMENT	56.29

LABOR		HR.	2.98	5.25	15.62	_____

					NET RETURN TO LAND AND MANAGEMENT	40.67

--- DOES NOT INCLUDE GOVERNMENT PROGRAM PAYMENTS OR COSTS---

CORN - NO TILLAGE
ESTIMATED RETURNS AND EXPENSES PER ACRE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i>QUANTITY</i>	<i>PRICE</i> (\$)	<i>AMOUNT</i> (\$)	<i>YOUR</i> <i>FARM</i>
REVENUE						
CORN(1)	GRAIN	BU.	110.00	2.25	247.50	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	21.00	0.95	19.95	_____
FERTILIZER	N	LB.	120.00	0.26	31.20	_____
	P2O5	LB.	60.00	0.21	12.60	_____
	K2O	LB.	60.00	0.14	8.40	_____
LIME		TON	0.50	13.50	6.75	_____
WEED CONTROL(3)						
GRAMOXONE EXTRA	2.5#/GAL.	PT.	1.50	3.62	5.43	_____
ATRAZINE 4L	4#/GAL.	QT.	1.75	2.83	4.95	_____
LASSO	4#/GAL.	QT.	2.50	6.75	16.88	_____
SURFACTANT	NON-IONIC	AC.	1.00	0.92	0.92	_____
INSECT CONTROL(4)						
FURADAN 15G	GRANULES	LB.	7.00	1.72	12.04	_____
MACHINERY		AC.	1.00	23.85	23.85	_____
					TOTAL VARIABLE EXPENSES	142.97
					RETURN ABOVE VARIABLE EXPENSES	104.53
FIXED EXPENSES						
MACHINERY		AC.	1.00	35.37	35.37	_____
					TOTAL FIXED EXPENSES	35.37
					TOTAL VARIABLE AND FIXED EXPENSES	178.33
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	69.17
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	142.97	0.08	5.72	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			14.26	_____
					TOTAL	19.98
					NET RETURN TO LAND, LABOR AND MANAGEMENT	49.19
LABOR						
		HR.	2.00	5.25	10.50	_____
					NET RETURN TO LAND AND MANAGEMENT	38.69

---DOES NOT INCLUDE GOVERNMENT PROGRAM PAYMENTS OR COSTS---

SOYBEANS - CONVENTIONAL TILLAGE - 36"ROWS
ESTIMATED RETURNS AND EXPENSES PER ACRE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i>QUANTITY</i>	<i>PRICE</i>	<i>AMOUNT</i>	<i>YOUR</i>
				(\$)	(\$)	FARM
REVENUE						
SOYBEANS	BEANS	BU.	30.00	5.70	171.00	_____
VARIABLE EXPENSES						
SEED	8-10 PLANTS/FT.	LB.	40.00	0.15	6.00	_____
SEED TREATMENT	VITAVAX-M	BU.	0.66	1.90	1.25	_____
FERTILIZER	P2O5	LB.	20.00	0.21	4.20	_____
	K2O	LB.	40.00	0.14	5.60	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	13.50	10.13	_____
WEED CONTROL(1)						
PRE-PLANT	TREFLAN 4#/GAL.	PT.	1.50	4.28	6.42	_____
PRE-EMERGE	CANOPY	OZ.	4.00	2.19	8.76	_____
MACHINERY		AC.	1.00	32.11	32.11	_____
					74.47	_____
					96.53	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	43.12	43.12	_____
					43.12	_____
					117.59	_____
					53.41	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	74.47	0.08	2.98	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			18.12	_____
					21.10	_____
					32.31	_____
LABOR						
		HR.	3.13	5.25	16.41	_____
					15.91	_____

SOYBEANS - NO TILLAGE - 20" ROWS
ESTIMATED RETURNS AND EXPENSES PER ACRE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i>QUANTITY</i>	<i>PRICE</i>	<i>AMOUNT</i>	<i>YOUR</i>
				(\$)	(\$)	<i>FARM</i>
REVENUE						
SOYBEANS	BEANS	BU.	30.00	5.70	171.00	_____
VARIABLE EXPENSES						
SEED	6-8 PLANTS/FT.	LB.	50.00	0.15	7.50	_____
SEED TREATMENT	VITAVAX-M	BU.	0.83	1.90	1.58	_____
FERTILIZER	P2O5	LB.	20.00	0.21	4.20	_____
	K2O	LB.	40.00	0.14	5.60	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	13.50	10.13	_____
WEED CONTROL(1) (3)						
PRE-PLANT	GRAMOXONE EXTRA	PT.	1.50	3.62	5.43	_____
PRE-EMERGE	CANOPY	OZ.	4.00	2.19	8.76	_____
	PROWL +	QT.	1.00	8.00	8.00	_____
	SURFACTANT(2)	QT.	0.20	1.94	0.39	_____
MACHINERY(4)		AC.	1.00	21.87	21.87	_____
TOTAL VARIABLE EXPENSES					73.45	_____
RETURN ABOVE VARIABLE EXPENSES					97.55	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	32.39	32.39	_____
TOTAL FIXED EXPENSES					32.39	_____
TOTAL VARIABLE AND FIXED EXPENSES					105.84	_____
NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT					65.16	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	73.45	0.08	2.94	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			13.12	_____
TOTAL					16.06	_____
NET RETURN TO LAND, LABOR AND MANAGEMENT					49.10	_____
LABOR						
		HR.	1.68	5.25	8.79	_____
NET RETURN TO LAND AND MANAGEMENT					40.30	_____

WHEAT
ESTIMATED RETURNS AND EXPENSES PER ACRE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i>QUANTITY</i>	<i>PRICE</i> (\$)	<i>AMOUNT</i> (\$)	<i>YOUR</i> <i>FARM</i>
REVENUE						
WHEAT(1)		BU.	45.00	3.00	135.00	_____
VARIABLE EXPENSES (2)						
SEED	TREATED/FUNGICIDE	BU.	1.50	8.25	12.38	_____
FERTILIZER	N	LB.	60.00	0.26	15.60	_____
	P2O5	LB.	40.00	0.21	8.40	_____
	K2O	LB.	20.00	0.14	2.80	_____
LIME		TON	0.40	13.50	5.40	_____
MACHINERY		AC.	1.00	17.95	17.95	_____
TOTAL VARIABLE EXPENSES					62.52	_____
RETURN ABOVE VARIABLE EXPENSES					72.48	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	25.80	25.80	_____
TOTAL FIXED EXPENSES					25.80	_____
TOTAL VARIABLE AND FIXED EXPENSES					88.32	_____
NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT					46.68	_____
INTEREST						
OPERATING CAPITAL	7 MONTHS	AC.	62.52	0.08	2.92	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			10.51	_____
TOTAL					13.43	_____
NET RETURN TO LAND, LABOR AND MANAGEMENT					33.25	_____
LABOR		HR.	1.84	5.25	9.65	_____
NET RETURN TO LAND AND MANAGEMENT					23.60	_____

---DOES NOT INCLUDE GOVERNMENT PROGRAM PAYMENTS OR COSTS---

WHEAT - SOYBEANS - NO-TILLAGE
ESTIMATED RETURNS AND EXPENSES PER ACRE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i>QUANTITY</i>	<i>PRICE</i> <i>(\$)</i>	<i>AMOUNT</i> <i>(\$)</i>	<i>YOUR FARM</i>
REVENUE						
WHEAT	GRAIN	BU.	45.00	3.00	135.00	_____
SOYBEANS	BEANS	BU.	28.00	5.70	159.60	_____
					294.60	_____
VARIABLE EXPENSES						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	8.25	12.38	_____
SEED	SOYBEANS	LB.	40.00	0.15	6.00	_____
INOCULATION	VITAVAX M	AC.	1.00	1.90	1.90	_____
FERTILIZER	N	LB.	60.00	0.26	15.60	_____
	P2O5	LB.	60.00	0.21	12.60	_____
	K2O	LB.	60.00	0.14	8.40	_____
LIME	3 TONS EACH 4 YRS.	TON	0.75	13.50	10.13	_____
WEED CONTROL(1)						_____
PRE-PLANT	GRAMOXONE EXTRA	PT.	1.50	3.62	5.43	_____
	CANOPY	OZ.	4.00	2.19	8.76	_____
	PROWL +	QT.	1.00	8.00	8.00	_____
	SURFACTANT(2)	AC.	0.20	1.94	0.39	_____
MACHINERY		AC.	1.00	41.52	41.52	_____
					131.09	_____
					163.51	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	61.03	61.03	_____

					61.03	_____

					192.12	_____

					102.48	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	131.09	0.08	5.24	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			24.73	_____

					29.98	_____
					72.50	_____
LABOR						
		HR.	3.84	5.25	20.15	_____

					52.35	_____

GRAIN SORGHUM
ESTIMATED RETURNS AND EXPENSES PER ACRE

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>UNIT</i>	<i>QUANTITY</i>	<i>PRICE</i> (\$)	<i>AMOUNT</i> (\$)	<i>YOUR FARM</i>
REVENUE						
GRAIN SORGHUM	GRAIN	BU.	80.00	2.00	160.00	_____
VARIABLE EXPENSES						
SEED(1)	TREATED	LB.	8.00	0.80	6.40	_____
FERTILIZER	N	LB.	90.00	0.26	23.40	_____
	P2O5	LB.	40.00	0.21	8.40	_____
	K20	LB.	40.00	0.14	5.60	_____
LIME		TON	0.40	13.50	5.40	_____
WEED CONTROL						
PRE-EMERGE	BICEP 6L(2)	QT.	1.80	8.12	14.62	_____
INSECTICIDE					7.00	_____
MACHINERY		AC.	1.00	32.10	32.10	_____
					TOTAL VARIABLE EXPENSES	102.91
					RETURN ABOVE VARIABLE EXPENSES	57.09
FIXED EXPENSES						
MACHINERY		AC.	1.00	41.09	41.09	_____
					TOTAL FIXED EXPENSES	41.09
					TOTAL VARIABLE AND FIXED EXPENSES	144.00
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	16.00
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	102.91	0.08	4.12	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			17.32	_____
					TOTAL	21.44
					NET RETURN TO LAND, LABOR AND MANAGEMENT	-5.43
LABOR						
		HR.	3.43	5.25	17.98	_____
					NET RETURN TO LAND AND MANAGEMENT	-23.41

---DOES NOT INCLUDE GOVERNMENT PROGRAM PAYMENTS OR COSTS---