

AE & RD INFO NO. 14

**FIELD CROP
BUDGETS
FOR 1991**

Agricultural Economics and Resource Development

Agricultural Extension Service

University of Tennessee

December, 1990

BURLEY TOBACCO
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT	YOUR FARM
REVENUE						
TOBACCO		LB.	2200.00	1.70	3740.00	_____
EXPENSES , VARIABLE (PLANT BED)						
SEED (1)	HYBRID 1/12 OZ.	PK	2.00	7.00	14.00	_____
FERTILIZER	4-16-4	CWT.	0.50	5.10	2.55	_____
GAS COVER	103' X 10 1/2', 3 MIL.		1.00	13.35	13.35	_____
BED COVER	100' X 9', POLYESTER		1.00	22.90	22.90	_____
INSECTICIDE	DISYSTON	9 OZ.	1.00	3.25	3.25	_____
FUNGICIDE (2)	RIDOMIL	QT.	0.04	37.60	1.50	_____
FUMIGANT	METHYL BROMIDE 1 1/2LB.		5.00	1.68	8.40	_____
APPLICATOR	PRORATED 3 YEARS	1	3.00	1.00	3.00	_____
MACHINERY		AC	1.00	33.51	33.51	_____
TOTAL					102.46	_____
EXPENSES, VARIABLE (FIELD AND OTHER) (3)						
COVER CROP	WHEAT, RYE, BARLEY	BU.	2.00	7.50	15.00	_____
FERTILIZER	5-10-15	CWT.	15.00	5.40	81.00	_____
	NITROGEN	LB.	90.00	0.26	23.40	_____
LIME		TON	0.40	14.00	5.60	_____
INSECT CONTROL (4)	ORTHENE 75 W.P.	LB.	4.00	8.35	33.40	_____
DISEASE CONTROL	RIDOMIL	QT.	2.00	37.60	75.20	_____
HERBICIDE	PROWL 4 E.C.	PT.	2.50	7.05	17.63	_____
SUCKER CONTROL	ROYAL MH-30	GAL.	2.00	9.20	18.40	_____
MARKET FEES	4.5% + \$1/CWT				190.30	_____
HAULING	TO MARKET	CWT.	22.00	1.00	22.00	_____
PROGRAM COSTS (5)	NO NET COST, GRADING	CWT.	22.00	1.55	34.10	_____
ASSESSMENT	1/2% OF GROSS	CWT.	22.00	0.85	18.70	_____
MACHINERY		AC.	1.00	90.09	90.09	_____
TOTAL VARIABLE EXPENSES					727.28	_____
RETURN ABOVE VARIABLE EXPENSES					3012.72	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	89.70	89.70	_____
TOBACCO STICKS	PRORATED OVER 8 YRS.		1600.00	0.15	30.00	_____
BARN (6)					217.50	_____
TOTAL FIXED EXPENSES					337.20	_____
TOTAL VARIABLE AND FIXED EXPENSES					1064.48	_____
NET RETURN TO QUOTA, LAND, LABOR, CAPITAL, AND MANAGEMENT					2675.52	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	727.28	0.11	40.00	_____
FIXED CAPITAL	EQUIP. @ BARN	AC.			291.03	_____
TOTAL					331.03	_____
NET RETURN TO QUOTA, LAND, LABOR, AND MANAGEMENT					2344.49	_____
LABOR						
		HR.	316.58	4.50	1424.60	_____
NET RETURN TO QUOTA, LAND AND MANAGEMENT					919.89	_____

COTTON
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE (1) COTTON	LINT	LB.	625.00	0.62	387.50	_____
				TOTAL	387.50	_____
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	15.00	0.62	9.30	_____
FUNGICIDE (2)	TEMIK/TERRACLOR (TSX)	AC.	1.00	15.10	15.10	_____
INSECTICIDE	BIDRIN	OZ.	1.60	0.59	0.94	_____
FERTILIZER	N	LB.	60.00	0.26	15.60	_____
	P205	LB.	60.00	0.25	15.00	_____
	K20	LB.	60.00	0.16	9.60	_____
BORON		LB.	0.50	2.38	1.19	_____
LIME		TON	0.50	14.00	7.00	_____
HERBICIDE						_____
PRE-EMERGE (3)	TREFLAN E.C.	PT.	1.50	3.69	5.54	_____
	COTORAN (BAND) 4L	PT.	1.50	5.56	8.34	_____
POST-EMERGE (4)	COTORAN+MSMA (BAND)	PT.	2.00	0.94	1.88	_____
INSECTICIDE (5)	MID SEASON	TIMES	1.00	1.82	1.82	_____
DEFOLIANT	CUSTOM-AIRPLANE	ACRE	1.00	6.76	6.76	_____
MACHINERY		AC.	1.00	59.61	59.61	_____
				TOTAL VARIABLE EXPENSES	157.68	_____
				RETURN ABOVE VARIABLE EXPENSES	229.82	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	83.16	83.16	_____
				TOTAL FIXED EXPENSES	83.16	_____
				TOTAL VARIABLE AND FIXED EXPENSES	240.84	_____
				NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	146.66	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	157.68	0.11	8.67	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			37.93	_____
				TOTAL	46.60	_____
				NET RETURN TO LAND, LABOR AND MANAGEMENT	100.06	_____
LABOR						
		HR.	5.74	4.50	25.82	_____
				NET RETURN TO LAND AND MANAGEMENT	74.24	_____

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

CORN - CONVENTIONAL TILLAGE
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	100.00	2.35	235.00	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	18.00	0.90	16.20	_____
FERTILIZER	N	LB.	120.00	0.26	31.20	_____
	P2O5	LB.	60.00	0.25	15.00	_____
	K2O	LB.	60.00	0.16	9.60	_____
LIME	AG LIMESTONE	TON	0.50	14.00	7.00	_____
WEED CONTROL						_____
ATRAZINE 4L	4#/GAL.	QT.	1.25	2.77	3.46	_____
LASSO	4#/GAL.	QT.	2.00	4.62	9.24	_____
MACHINERY		AC.	1.00	28.19	28.19	_____
					TOTAL VARIABLE EXPENSES	119.89
					RETURN ABOVE VARIABLE EXPENSES	115.11
FIXED EXPENSES						
MACHINERY		AC.	1.00	40.48	40.48	_____
					TOTAL FIXED EXPENSES	40.48
					TOTAL VARIABLE AND FIXED EXPENSES	160.37
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	74.63
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	119.89	0.11	6.59	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			18.66	_____
					TOTAL	25.25
					NET RETURN TO LAND, LABOR AND MANAGEMENT	49.38
LABOR						
		HR.	2.98	4.50	13.39	_____
					NET RETURN TO LAND AND MANAGEMENT	35.99

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

CORN - (NO - TILL)
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	100.00	2.35	235.00	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	20.00	0.90	18.00	_____
FERTILIZER	N	LB.	120.00	0.26	31.20	_____
	P205	LB.	60.00	0.25	15.00	_____
	K20	LB.	60.00	0.16	9.60	_____
LIME		TON	0.50	14.00	7.00	_____
WEED CONTROL(3)					0.00	_____
GRAMOXONE SUPER	1.5#/GAL.	PT.	2.00	3.82	7.64	_____
ATRAZINE 4L	4#/GAL.	QT.	1.75	2.77	4.85	_____
LASSO	4#/GAL.	QT.	2.50	4.62	11.55	_____
SURFACTANT	NON-IONIC	AC.	1.00	0.84	0.84	_____
INSECT CONTROL(4)					0.00	_____
FURADAN 15G	GRANULES	LB.	7.00	1.52	10.64	_____
MACHINERY		AC.	1.00	21.18	21.18	_____
					<u>137.50</u>	_____
					RETURN ABOVE VARIABLE EXPENSES	<u>97.50</u>
FIXED EXPENSES						
MACHINERY		AC.	1.00	34.38	34.38	_____
					<u>34.38</u>	_____
					TOTAL FIXED EXPENSES	<u>34.38</u>
					TOTAL VARIABLE AND FIXED EXPENSES	<u>171.88</u>
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	<u>63.12</u>
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	137.50	0.11	7.56	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			15.50	_____
					<u>23.06</u>	_____
					NET RETURN TO LAND, LABOR AND MANAGEMENT	<u>40.06</u>
LABOR						
		HR.	2.00	4.50	9.00	_____
					<u>31.06</u>	_____
					NET RETURN TO LAND AND MANAGEMENT	<u>31.06</u>

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

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE						
SOYBEANS	BEANS	BU.	30.00	6.20	186.00	_____
VARIABLE EXPENSES						
SEED	8-10 PLANTS/FT.	LB.	40.00	0.15	6.00	_____
SEED TREATMENT	VITAVAX-M	BU.	0.66	1.95	1.29	_____
FERTILIZER	P2O5	LB.	40.00	0.25	10.00	_____
	K2O	LB.	40.00	0.16	6.40	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	14.00	10.50	_____
WEED CONTROL(1)						_____
PRE-PLANT	TREFLAN 4#/GAL.	PT.	1.50	3.69	5.54	_____
PRE-EMERGE	CANOPY	OZ.	4.00	2.00	8.00	_____
MACHINERY		AC.	1.00	29.91	29.91	_____
					77.63	_____
					108.37	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	42.87	42.87	_____
					42.87	_____
					120.50	_____
					65.50	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	77.63	0.11	4.27	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			20.07	_____
					24.34	_____
					41.16	_____
LABOR						
		HR.	3.13	4.50	14.06	_____
					27.10	_____

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE						
SOYBEANS	BEANS	BU.	30.00	6.20	186.00	_____
VARIABLE EXPENSES						
SEED	6-8 PLANTS/FT.	LB.	60.00	0.15	9.00	_____
SEED TREATMENT	VITAVAX-M	BU.	1.00	1.95	1.95	_____
FERTILIZER	P205	LB.	40.00	0.25	10.00	_____
	K20	LB.	40.00	0.16	6.40	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	14.00	10.50	_____
WEED CONTROL(1) (3)						_____
PRE-PLANT	GRAMOXONE SUPER	PT.	2.00	3.82	7.64	_____
	CANOPY	OZ.	4.00	2.00	8.00	_____
	PROWL +	PT.	1.50	3.53	5.29	_____
	SURFACTANT(2)	AC.	1.00	0.84	0.84	_____
MACHINERY(4)		AC.	1.00	18.72	18.72	_____
TOTAL VARIABLE EXPENSES					78.34	_____
RETURN ABOVE VARIABLE EXPENSES					107.66	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	29.90	29.90	_____
TOTAL FIXED EXPENSES					29.90	_____
TOTAL VARIABLE AND FIXED EXPENSES					108.24	_____
NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT					77.76	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	78.34	0.11	4.31	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			13.49	_____
TOTAL					17.80	_____
NET RETURN TO LAND, LABOR AND MANAGEMENT					59.96	_____
LABOR						
		HR.	1.68	4.50	7.54	_____
NET RETURN TO LAND AND MANAGEMENT					52.43	_____

GRAIN SORGHUM
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE						
GRAIN SORGHUM	GRAIN	BU.	80.00	2.05	164.00	_____
SEED(1)	TREATED W/ CONCEPT	LB.	8.00	0.86	6.88	_____
FERTILIZER	N	LB.	90.00	0.26	23.40	_____
	P2O5	LB.	40.00	0.25	10.00	_____
	K2O	LB.	40.00	0.16	6.40	_____
LIME		TON	0.40	14.00	5.60	_____
WEED CONTROL						_____
PRE-EMERGE	BICEP 6L(2)	QT.	1.80	7.24	13.03	_____
INSECTICIDE					7.00	_____
MACHINERY		AC.	1.00	29.82	29.82	_____

					TOTAL VARIABLE EXPENSES	102.13
					RETURN ABOVE VARIABLE EXPENSES	61.87
FIXED EXPENSES						
MACHINERY		AC.	1.00	40.15	40.15	_____

					TOTAL FIXED EXPENSES	40.15

					TOTAL VARIABLE AND FIXED EXPENSES	142.28

					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	21.72
INTEREST						
OPERATING CAPITAL 6 MONTHS		AC.	102.13	0.11	5.62	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			18.88	_____

					TOTAL	24.50
					NET RETURN TO LAND, LABOR AND MANAGEMENT	-2.77
LABOR						
		HR.	3.43	4.50	15.41	_____

					NET RETURN TO LAND AND MANAGEMENT	-18.19

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

WHEAT
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE					
WHEAT(1)		BU.	45.00	2.85	128.25
VARIABLE EXPENSES (2)					
SEED	TREATED/FUNGICIDE	BU.	1.50	8.50	12.75
FERTILIZER	N	LB.	60.00	0.26	15.60
	P2O5	LB.	40.00	0.25	10.00
	K2O	LB.	20.00	0.16	3.20
LIME		TON	0.40	14.00	5.60
MACHINERY		AC.	1.00	16.49	16.49
TOTAL VARIABLE EXPENSES				63.64	
RETURN ABOVE VARIABLE EXPENSES				64.61	
FIXED EXPENSES					
MACHINERY		AC.	1.00	25.26	25.26
TOTAL FIXED EXPENSES				25.26	
TOTAL VARIABLE AND FIXED EXPENSES				88.91	
NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT				39.34	
INTEREST					
OPERATING CAPITAL	6 MONTHS	AC.	63.64	0.11	3.50
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			11.48
TOTAL				14.98	
NET RETURN TO LAND, LABOR AND MANAGEMENT				24.37	
LABOR					
		HR.	1.84	4.50	8.27
NET RETURN TO LAND AND MANAGEMENT				16.10	

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

**WHEAT - SOYBEANS - NO-TILL
ESTIMATED RETURNS AND EXPENSES PER ACRE**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE						
WHEAT	GRAIN	BU.	45.00	2.85	128.25	_____
SOYBEANS	BEANS	BU.	28.00	6.20	173.60	_____
				TOTAL	301.85	_____
VARIABLE EXPENSES						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	8.50	12.75	_____
SEED	SOYBEANS	LB.	40.00	0.15	6.00	_____
INOCULATION	VITAVAX M	AC.	1.00	1.95	1.95	_____
FERTILIZER	N	LB.	60.00	0.26	15.60	_____
	P2O5	LB.	60.00	0.25	15.00	_____
	K2O	LB.	90.00	0.16	14.40	_____
LIME	3 TONS EACH 4 YRS.	TON	0.75	14.00	10.50	_____
WEED CONTROL (1)						_____
PRE-PLANT	GRAMOXONE SUPER	PT.	2.00	3.82	7.64	_____
	CANOPY	OZ.	4.00	2.00	8.00	_____
	PROWL +	QT.	1.00	7.05	7.05	_____
	SURFACTANT (2)	AC.	1.00	0.84	0.84	_____
MACHINERY		AC.	1.00	36.81	36.81	_____
					TOTAL VARIABLE EXPENSES	136.54
					RETURN ABOVE VARIABLE EXPENSES	165.31
FIXED EXPENSES						
MACHINERY		AC.	1.00	58.21	58.21	_____
					TOTAL FIXED EXPENSES	58.21
					TOTAL VARIABLE AND FIXED EXPENSES	194.75
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	107.10
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	136.54	0.11	7.51	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			26.34	_____
					TOTAL	33.85
					NET RETURN TO LAND, LABOR AND MANAGEMENT	73.25
LABOR						
		HR.	3.84	4.50	17.27	_____
					NET RETURN TO LAND AND MANAGEMENT	55.98