AE & RD INFO NO. 16

FIELD CROP BUDGETS FOR 1990

Agricultural Economics and Resource Development

Agricultural Extension Service

University of Tennessee

December, 1989

BURLEY TOBACCO
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT	YOUR FARM
REVENUE						
TOBACCO		LB.	2400.00	1.65	3960.00	_____
EXPENSES , VARIABLE (PLANT BED)						
SEED (1)	HYBRID 1/12 OZ.	PK	2.00	6.25	12.50	_____
FERTILIZER	4-16-4	CWT.	0.50	5.00	2.50	_____
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	0.67	0.67	_____
FUNGICIDE (2)	RIDOMIL	QT.	0.04	32.82	1.31	_____
FUMIGANT	METHYL BROMIDE 1 1/2	LB.	5.00	1.66	8.30	_____
APPLICATOR	PRORATED 3 YEARS	1	3.00	1.00	3.00	_____
MACHINERY		AC	1.00	23.55	23.55	_____
				TOTAL	88.08	_____
EXPENSES, VARIABLE (FIELD AND OTHER) (3)						
COVER CROP	WHEAT, RYE, BARLEY	BU.	2.00	6.00	12.00	_____
FERTILIZER	5-10-15	CWT.	15.00	5.50	82.50	_____
	NITROGEN	LB.	90.00	0.22	19.80	_____
LIME		TON	0.40	12.50	5.00	_____
INSECT CONTROL (4)	ORTHENE 75 W.P.	LB.	4.00	7.00	28.00	_____
DISEASE CONTROL	RIDOMIL	QT.	2.00	32.82	65.64	_____
HERBICIDE	PROWL 4 E.C.	PT.	2.50	6.65	16.63	_____
SUCKER CONTROL	ROYAL MH-30	GAL.	2.00	7.85	15.70	_____
MARKET FEES	4.5% + $1/CWT				202.20	_____
HAULING	TO MARKET	CWT.	24.00	1.00	24.00	_____
PROGRAM COSTS (5)	NO NET COST,GRADING	CWT.	24.00	1.50	36.00	_____
MACHINERY		AC.	1.00	77.59	77.59	_____
			TOTAL VARIABLE EXPENSES		673.14	_____
			RETURN ABOVE VARIABLE EXPENSES		3286.86	_____
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		1010.34	_____
			NET RETURN TO QUOTA, LAND, LABOR, CAPITAL, AND MANAGEMENT		2949.66	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	673.14	0.11	37.02	_____
FIXED CAPITAL	EQUIP. @ BARN	AC.			291.03	_____
				TOTAL	328.05	_____
			NET RETURN TO QUOTA, LAND, LABOR, AND MANAGEMENT		2621.61	_____
LABOR		HR.	316.58	4.50	1424.60	_____
			NET RETURN TO QUOTA, LAND AND MANAGEMENT		1197.01	_____

1990

COTTON
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE (1)						
COTTON	LINT	LB.	600.00	0.60	360.00	
				TOTAL	360.00	
VARIABLE EXPENSES						
SEED	ACID DELINTED	LB.	15.00	0.60	9.00	
FUNGICIDE(2)	TEMIK/TERRACLOR(TSX)	AC.	1.00	15.10	15.10	
INSECTICIDE	BIDRIN	OZ.	1.60	0.55	0.88	
FERTILIZER	N	LB.	60.00	0.22	13.20	
	P2O5	LB.	60.00	0.21	12.60	
	K2O	LB.	60.00	0.15	9.00	
BORON		LB.	0.50	2.38	1.19	
LIME		TON	0.50	12.50	6.25	
HERBICIDE						
PRE-EMERGE(3)	TREFLAN E.C.	PT.	1.50	3.53	5.30	
	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	53.80	53.80	
			TOTAL VARIABLE EXPENSES		145.12	
			RETURN ABOVE VARIABLE EXPENSES		214.88	
FIXED EXPENSES						
MACHINERY		AC.	1.00	83.16	83.16	
			TOTAL FIXED EXPENSES		83.16	
			TOTAL VARIABLE AND FIXED EXPENSES		228.28	
			NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT		131.72	
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	145.12	0.11	7.98	
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			37.93	
				TOTAL	45.91	
			NET RETURN TO LAND, LABOR AND MANAGEMENT		85.82	
LABOR		HR.	5.74	4.50	25.82	
			NET RETURN TO LAND AND MANAGEMENT		60.00	

---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	2.10	210.00	_____
VARIABLE EXPENSES						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	20.00	0.85	17.00	_____
FERTILIZER	N	LB.	120.00	0.22	26.40	_____
	P2O5	LB.	60.00	0.21	12.60	_____
	K2O	LB.	60.00	0.15	9.00	_____
LIME		TON	0.50	12.50	6.25	_____
WEED CONTROL(3)					0.00	_____
GRAMOXONE SUPER	1.5#/GAL.	PT.	2.00	3.97	7.94	_____
ATRAZINE 4L	4#/GAL.	QT.	1.75	2.64	4.62	_____
LASSO	4#/GAL.	QT.	2.50	5.82	14.55	_____
SURFACTANT	NON-IONIC	AC.	1.00	0.84	0.84	_____
INSECT CONTROL(4)					0.00	_____
FURADAN 15G	GRANULES	LB.	7.00	1.47	10.29	_____
MACHINERY		AC.	1.00	19.58	19.58	_____
			TOTAL VARIABLE EXPENSES		129.07	_____
			RETURN ABOVE VARIABLE EXPENSES		80.93	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	34.38	34.38	_____
			TOTAL FIXED EXPENSES		34.38	_____
			TOTAL VARIABLE AND FIXED EXPENSES		163.45	_____
			NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT		46.55	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	129.07	0.11	7.10	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			15.50	_____
				TOTAL	22.60	_____
			NET RETURN TO LAND, LABOR AND MANAGEMENT		23.95	_____
LABOR		HR.	2.00	4.50	9.00	_____
			NET RETURN TO LAND AND MANAGEMENT		14.95	_____

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

CORN - 100 BUSHELS PER ACRE
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	100.00	2.10	210.00	_____
VARIABLE EXPENSES(2)						
SEED KERNELS(3)	18-20 THOUS. PLANTS	THOU.	18.00	0.85	15.30	_____
FERTILIZER	N	LB.	120.00	0.22	26.40	_____
	P2O5	LB.	60.00	0.21	12.60	_____
	K2O	LB.	60.00	0.15	9.00	_____
LIME	AG LIMESTONE	TON	0.50	12.50	6.25	_____
WEED CONTROL(4)						
ATRAZINE 4L	4#/GAL.	QT.	1.25	2.64	3.30	_____
LASSO	4#/GAL.	QT.	2.00	5.82	11.64	_____
MACHINERY		AC.	1.00	25.61	25.61	_____
				TOTAL VARIABLE EXPENSES	110.10	_____
				RETURN ABOVE VARIABLE EXPENSES	99.90	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	40.48	40.48	_____
				TOTAL FIXED EXPENSES	40.48	_____
				TOTAL VARIABLE AND FIXED EXPENSES	150.58	_____
				NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	59.42	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	110.10	0.11	6.06	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			18.66	_____
				TOTAL	24.71	_____
				NET RETURN TO LAND, LABOR AND MANAGEMENT	34.71	_____
LABOR		HR.	2.98	4.50	13.39	_____
				NET RETURN TO LAND AND MANAGEMENT	21.32	_____

--- 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.	32.00	5.50	176.00	____
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	0.21	8.40	____
	K2O	LB.	40.00	0.15	6.00	____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	12.50	9.38	____
WEED CONTROL(1)						
PRE-PLANT	TREFLAN 4#/GAL.	PT.	1.50	3.53	5.30	____
PRE-EMERGE	CANOPY	OZ.	4.00	1.89	7.56	____
MACHINERY		AC.	1.00	27.21	27.21	____
						____
		TOTAL VARIABLE EXPENSES			71.13	____
		RETURN ABOVE VARIABLE EXPENSES			104.87	____
FIXED EXPENSES						
MACHINERY		AC.	1.00	42.87	42.87	____
		TOTAL FIXED EXPENSES			42.87	____
		TOTAL VARIABLE AND FIXED EXPENSES			114.00	____
		NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT			62.00	____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	71.13	0.11	3.91	____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.	.		20.07	____
						____
				TOTAL	23.98	____
		NET RETURN TO LAND, LABOR AND MANAGEMENT			38.02	____
LABOR		HR.	3.13	4.50	14.06	____
		NET RETURN TO LAND AND MANAGEMENT			23.95	____

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.	32.00	5.50	176.00	____
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	____
FERTLIZER	P2O5	LB.	40.00	0.21	8.40	____
	K2O	LB.	40.00	0.15	6.00	____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	12.50	9.38	____
WEED CONTROL(1) (3)						
PRE-PLANT	GRAMOXONE SUPER	PT.	2.00	3.97	7.94	____
	CANOPY	OZ.	4.00	1.89	7.56	____
	PROWL +	PT.	1.50	3.33	4.99	____
	SURFACTANT(2)	AC.	1.00	0.84	0.84	____
MACHINERY(4)		AC.	1.00	17.24	17.24	____
				TOTAL VARIABLE EXPENSES	73.29	____
				RETURN ABOVE VARIABLE EXPENSES	102.71	____
FIXED EXPENSES						
MACHINERY		AC.	1.00	29.90	29.90	____
				TOTAL FIXED EXPENSES	29.90	____
				TOTAL VARIABLE AND FIXED EXPENSES	103.19	____
				NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	72.81	____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	73.29	0.11	4.03	____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			13.49	____
				TOTAL	17.52	____
				NET RETURN TO LAND, LABOR AND MANAGEMENT	55.29	____
LABOR		HR.	1.68	4.50	7.54	____
				NET RETURN TO LAND AND MANAGEMENT	47.75	____

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	1.75	140.00	_____
SEED(1)	TREATED W/ CONCEPT	LB.	8.00	0.86	6.88	_____
FERTILIZER	N	LB.	90.00	0.22	19.80	_____
	P2O5	LB.	40.00	0.21	8.40	_____
	K2O	LB.	40.00	0.15	6.00	_____
LIME		TON	0.40	12.50	5.00	_____
WEED CONTROL						
PRE-EMERGE	BICEP 6L(2)	QT.	1.80	6.77	12.19	_____
INSECTICIDE					7.00	_____
MACHINERY		AC.	1.00	26.89	26.89	_____
			TOTAL VARIABLE EXPENSES		92.15	_____
			RETURN ABOVE VARIABLE EXPENSES		47.85	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	40.15	40.15	_____
			TOTAL FIXED EXPENSES		40.15	_____
			TOTAL VARIABLE AND FIXED EXPENSES		132.30	_____
			NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT		7.70	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	92.15	0.11	5.07	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			18.88	_____
				TOTAL	23.95	_____
			NET RETURN TO LAND, LABOR AND MANAGEMENT		-16.25	_____
LABOR		HR.	3.43	4.50	15.41	_____
			NET RETURN TO LAND AND MANAGEMENT		-31.66	_____

---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	3.00	135.00	_____
VARIABLE EXPENSES (2)						
SEED	TREATED/FUNGICIDE	BU.	1.50	8.00	12.00	_____
FERTILIZER	N	LB.	60.00	0.22	13.20	_____
	P2O5	LB.	40.00	0.21	8.40	_____
	K2O	LB.	20.00	0.15	3.00	_____
LIME		TON	0.40	12.50	5.00	_____
MACHINERY		AC.	1.00	15.06	15.06	_____
						_____
		TOTAL VARIABLE EXPENSES			56.66	_____
		RETURN ABOVE VARIABLE EXPENSES			78.34	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	25.26	25.26	_____
		TOTAL FIXED EXPENSES			25.26	_____
		TOTAL VARIABLE AND FIXED EXPENSES			81.92	_____
	NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT				53.08	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	56.66	0.11	3.12	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			11.48	_____
						_____
				TOTAL	14.59	_____
	NET RETURN TO LAND, LABOR AND MANAGEMENT				38.48	_____
LABOR		HR.	1.84	4.50	8.27	_____
	NET RETURN TO LAND AND MANAGEMENT				30.21	_____

---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	3.00	135.00	
SOYBEANS	BEANS	BU.	28.00	5.50	154.00	
				TOTAL	289.00	
VARIABLE EXPENSES						
SEED,WHEAT	TREATED/FUNGICIDE	BU.	1.50	8.00	12.00	
SEED	SOYBEANS	LB.	40.00	0.15	6.00	
INOCULATION	VITAVAX M	AC.	1.00	1.95	1.95	
FERTILIZER	N	LB.	60.00	0.22	13.20	
	P2O5	LB.	60.00	0.21	12.60	
	K2O	LB.	90.00	0.15	13.50	
LIME	3 TONS EACH 4 YRS.	TON	0.75	12.50	9.38	
WEED CONTROL(1)						
PRE-PLANT	GRAMOXONE SUPER	PT.	2.00	3.97	7.94	
	CANOPY	OZ.	4.00	1.89	7.56	
	PROWL +	QT.	1.00	6.65	6.65	
	SURFACTANT(2)	AC.	1.00	0.84	0.84	
MACHINERY		AC.	1.00	33.80	33.80	
			TOTAL VARIABLE EXPENSES		125.42	
			RETURN ABOVE VARIABLE EXPENSES		163.58	
FIXED EXPENSES						
MACHINERY		AC.	1.00	58.21	58.21	
			TOTAL FIXED EXPENSES		58.21	
			TOTAL VARIABLE AND FIXED EXPENSES		183.63	
			NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT		105.37	
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	125.42	0.11	6.90	
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			26.34	
				TOTAL	33.23	
			NET RETURN TO LAND, LABOR AND MANAGEMENT		72.14	
LABOR		HR.	3.84	4.50	17.27	
			NET RETURN TO LAND AND MANAGEMENT		54.87	