



AE & RD INFO NO. 17

**FIELD CROP  
BUDGETS  
FOR 1992**

**Agricultural Economics and Resource Development**

**Agricultural Extension Service**

**University of Tennessee**

**December, 1991**

**BURLEY TOBACCO**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE**

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
TOBACCO		LB.	2100.00	1.75	3675.00	_____
<b>EXPENSES, VARIABLE (PLANT BED)</b>						
SEED (1)	HYBRID 1/12 OZ.	PKG.	2.00	7.00	14.00	_____
FERTILIZER	4-16-4	CWT.	0.50	8.30	4.15	_____
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	3.53	3.53	_____
FUNGICIDE (2)	RIDOMIL	QT.	0.04	35.25	1.41	_____
FUMIGANT	METHYL BROMIDE 1 1/2	LB.	5.00	1.85	9.25	_____
APPLICATOR	PRORATED 3 YEARS	1	3.00	1.00	3.00	_____
MACHINERY		AC.	1.00	30.55	30.55	_____
<b>TOTAL</b>					<b>105.76</b>	_____
<b>EXPENSES, VARIABLE (FIELD AND OTHER) (3)</b>						
COVER CROP	WHEAT, RYE, BARLEY	BU.	2.00	8.00	16.00	_____
FERTILIZER	5-10-15	CWT.	15.00	8.50	127.50	_____
	NITROGEN	LB.	90.00	0.25	22.50	_____
LIME		TON	0.40	13.50	5.40	_____
INSECT CONTROL (4)	ORTHENE 75 W.P.	LB.	4.00	8.35	33.40	_____
DISEASE CONTROL	RIDOMIL	QT.	2.00	35.25	70.50	_____
HERBICIDE	PROWL 4 E.C.	PT.	2.50	7.55	18.88	_____
SUCKER CONTROL	ROYAL MH-30	GAL.	2.00	10.65	21.30	_____
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	_____
<b>TOTAL VARIABLE EXPENSES</b>					<b>751.33</b>	_____
<b>RETURN ABOVE VARIABLE EXPENSES</b>					<b>2923.67</b>	_____
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	77.41	77.41	_____
TOBACCO STICKS	PRORATED OVER 8 YRS.		1600.00	0.15	30.00	_____
BARN (6)					217.50	_____
<b>TOTAL FIXED EXPENSES</b>					<b>324.91</b>	_____
<b>TOTAL VARIABLE AND FIXED EXPENSES</b>					<b>1076.24</b>	_____
<b>NET RETURN TO QUOTA, LAND, LABOR, CAPITAL, AND MANAGEMENT</b>					<b>2598.76</b>	_____
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	751.33	0.10	37.57	_____
FIXED CAPITAL	EQUIP. @ BARN	AC.			266.86	_____
<b>TOTAL</b>					<b>304.43</b>	_____
<b>NET RETURN TO QUOTA, LAND, LABOR, AND MANAGEMENT</b>					<b>2294.33</b>	_____
<b>LABOR</b>		HR.	316.58	5.25	1662.03	_____
<b>NET RETURN TO QUOTA, LAND AND MANAGEMENT</b>					<b>632.30</b>	_____

**COTTON - PICKER OWNED**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE** 1992

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE (1)</b>						
COTTON	LINT	LB.	650.00	0.58	377.00	_____
					TOTAL	377.00
<b>VARIABLE EXPENSES</b>						
SEED	ACID DELINTED	LB.	15.00	0.65	9.75	_____
FUNGICIDE(2)	TERRACLOR SUPER X	LB	8.00	1.40	11.20	_____
	TEMIK	LB	3.00	2.86	8.58	_____
INSECTICIDE	BIDRIN	OZ.	1.60	0.63	1.01	_____
FERTILIZER	N	LB.	60.00	0.25	15.00	_____
	P2O5	LB.	60.00	0.23	13.80	_____
	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	3.90	5.85	_____
	COTORAN (BAND) 4L	PT.	1.50	6.70	10.05	_____
POST-EMERGE(4)	MSMA (DIRECT)	PT.	1.00	2.05	2.05	_____
	CAPAROL	PT.	0.66	3.94	2.60	_____
INSECTICIDE(5)	MID SEASON	TIM	1.00	2.00	2.00	_____
DEFOLIANT	CUSTOM-AIRPLANE	ACR	1.00	7.50	7.50	_____
MACHINERY		AC.	1.00	65.61	65.61	_____
TOTAL VARIABLE EXPENSES					171.34	_____
RETURN ABOVE VARIABLE EXPENSES					205.66	_____
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	86.10	86.10	_____
TOTAL FIXED EXPENSES					86.10	_____
TOTAL VARIABLE AND FIXED EXPENSES					257.43	_____
NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT					119.57	_____
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	171.34	0.10	8.57	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			44.24	_____
TOTAL					52.81	_____
NET RETURN TO LAND, LABOR AND MANAGEMENT					66.76	_____
LABOR		HR.	5.74	5.25	30.12	_____
NET RETURN TO LAND AND MANAGEMENT					36.64	_____

---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>(\$)</i>	<i>AMOUNT</i> <i>(\$)</i>	<i>YOUR</i> <i>FARM</i>
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	100.00	2.35	235.00	_____
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	21.00	0.95	19.95	_____
FERTILIZER	N	LB.	120.00	0.25	30.00	_____
	P2O5	LB.	60.00	0.23	13.80	_____
	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	4.80	9.60	_____
MACHINERY		AC.	1.00	31.00	31.00	_____
					TOTAL VARIABLE EXPENSES	123.04
					RETURN ABOVE VARIABLE EXPENSES	111.96
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	41.89	41.89	_____
					TOTAL FIXED EXPENSES	41.89
					TOTAL VARIABLE AND FIXED EXPENSES	164.93
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	70.07
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	123.04	0.10	6.15	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			21.62	_____
					TOTAL	27.78
					NET RETURN TO LAND, LABOR AND MANAGEMENT	42.29
<b>LABOR</b>		HR.	2.98	5.25	15.62	_____
					NET RETURN TO LAND AND MANAGEMENT	26.67

--- 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>
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	100.00	2.35	235.00	_____
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	21.00	0.95	19.95	_____
FERTILIZER	N	LB.	120.00	0.25	30.00	_____
	P2O5	LB.	60.00	0.23	13.80	_____
	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	4.18	6.27	_____
ATRAZINE 4L	4#/GAL.	QT.	1.75	2.83	4.95	_____
LASSO	4#/GAL.	QT.	2.50	4.80	12.00	_____
SURFACTANT	NON-IONIC	AC.	1.00	0.92	0.92	_____
INSECT CONTROL(4)						
FURADAN 15G	GRANULES	LB.	7.00	1.66	11.62	_____
MACHINERY		AC.	1.00	23.85	23.85	_____
					TOTAL VARIABLE EXPENSES	138.51
					RETURN ABOVE VARIABLE EXPENSES	96.49
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	35.37	35.37	_____
					TOTAL FIXED EXPENSES	35.37
					TOTAL VARIABLE AND FIXED EXPENSES	173.88
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	61.12
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	138.51	0.10	6.93	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			17.82	_____
					TOTAL	24.75
					NET RETURN TO LAND, LABOR AND MANAGEMENT	36.38
<b>LABOR</b>						
		HR.	2.00	5.25	10.50	_____
					NET RETURN TO LAND AND MANAGEMENT	25.88

---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>(\$)</i>	<i>AMOUNT</i> <i>(\$)</i>	<i>YOUR</i> <i>FARM</i>
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	30.00	5.80	174.00	_____
<b>VARIABLE EXPENSES</b>						
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	0.23	4.60	_____
	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	3.90	5.85	_____
PRE-EMERGE	CANOPY	OZ.	4.00	2.13	8.52	_____
MACHINERY		AC.	1.00	32.11	32.11	_____
						_____
					TOTAL VARIABLE EXPENSES	74.06
					RETURN ABOVE VARIABLE EXPENSES	99.94
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	43.12	43.12	_____
						_____
					TOTAL FIXED EXPENSES	43.12
						_____
					TOTAL VARIABLE AND FIXED EXPENSES	117.18
						_____
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	56.82
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	74.06	0.10	3.70	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			22.65	_____
						_____
					TOTAL	26.35
					NET RETURN TO LAND, LABOR AND MANAGEMENT	30.47
						_____
<b>LABOR</b>		HR.	3.13	5.25	16.41	_____
						_____
					NET RETURN TO LAND AND MANAGEMENT	14.06
						_____

**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 FARM</i>
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	30.00	5.80	174.00	_____
<b>VARIABLE EXPENSES</b>						
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	0.23	4.60	_____
	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	4.18	6.27	_____
PRE-EMERGE	CANOPY	OZ.	4.00	2.13	8.52	_____
	PROWL +	QT.	1.00	7.55	7.55	_____
	SURFACTANT(2)	QT.	0.20	1.94	0.39	_____
MACHINERY(4)		AC.	1.00	21.87	21.87	_____
					74.00	_____
					100.00	_____
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	32.39	32.39	_____
					32.39	_____
					106.39	_____
					67.61	_____
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	74.00	0.10	3.70	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			16.41	_____
					20.11	_____
					47.50	_____
<b>LABOR</b>		HR.	1.68	5.25	8.79	_____
					38.71	_____

## WHEAT

### ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (\$)	AMOUNT (\$)	YOUR FARM
<b>REVENUE</b>						
WHEAT(1)		BU.	45.00	3.00	135.00	_____
<b>VARIABLE EXPENSES (2)</b>						
SEED	TREATED/FUNGICIDE	BU.	1.50	8.00	12.00	_____
FERTILIZER	N	LB.	60.00	0.25	15.00	_____
	P2O5	LB.	40.00	0.23	9.20	_____
	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	62.35
					RETURN ABOVE VARIABLE EXPENSES	72.65
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	25.80	25.80	_____
					_____	_____
					TOTAL FIXED EXPENSES	25.80
					_____	_____
					TOTAL VARIABLE AND FIXED EXPENSES	88.15
					_____	_____
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	46.85
<b>INTEREST</b>						
OPERATING CAPITAL	7 MONTHS	AC.	62.35	0.10	3.64	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			13.14	_____
					_____	_____
					TOTAL	16.78
					_____	_____
					NET RETURN TO LAND, LABOR AND MANAGEMENT	30.07
<b>LABOR</b>						
		HR.	1.84	5.25	9.65	_____
					_____	_____
					NET RETURN TO LAND AND MANAGEMENT	20.43

---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>AMOUNT</i> (\$)	<i>YOUR FARM</i>	
<b>REVENUE</b>							
WHEAT	GRAIN	BU.	45.00	3.00	135.00	_____	
SOYBEANS	BEANS	BU.	28.00	5.80	162.40	_____	
					TOTAL	297.40	_____
<b>VARIABLE EXPENSES</b>							
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	1.90	1.90	_____	
FERTILIZER	N	LB.	60.00	0.25	15.00	_____	
	P2O5	LB.	60.00	0.23	13.80	_____	
	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	4.18	6.27	_____	
	CANOPY	OZ.	4.00	2.13	8.52	_____	
	PROWL +	QT.	1.00	7.55	7.55	_____	
	SURFACTANT(2)	AC.	0.20	1.94	0.39	_____	
MACHINERY		AC.	1.00	41.52	41.52	_____	
					TOTAL VARIABLE EXPENSES	131.47	_____
					RETURN ABOVE VARIABLE EXPENSES	165.93	_____
<b>FIXED EXPENSES</b>							
MACHINERY		AC.	1.00	61.03	61.03	_____	
					TOTAL FIXED EXPENSES	61.03	_____
					TOTAL VARIABLE AND FIXED EXPENSES	192.49	_____
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	104.91	_____
<b>INTEREST</b>							
OPERATING CAPITAL	6 MONTHS	AC.	131.47	0.10	6.57	_____	
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			30.92	_____	
					TOTAL	37.49	_____
					NET RETURN TO LAND, LABOR AND MANAGEMENT	67.41	_____
<b>LABOR</b>		HR.	3.84	5.25	20.15	_____	
					NET RETURN TO LAND AND MANAGEMENT	47.27	_____

**GRAIN SORGHUM**  
**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</i> <i>FARM</i>
<b>REVENUE</b>						
GRAIN SORGHUM	GRAIN	BU.	80.00	2.05	164.00	_____
<b>VARIABLE EXPENSES</b>						
SEED(1)	TREATED	LB.	8.00	0.85	6.80	_____
FERTILIZER	N	LB.	90.00	0.25	22.50	_____
	P2O5	LB.	40.00	0.23	9.20	_____
	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	7.83	14.09	_____
INSECTICIDE					7.00	_____
MACHINERY		AC.	1.00	32.10	32.10	_____
					TOTAL VARIABLE EXPENSES	102.69
					RETURN ABOVE VARIABLE EXPENSES	61.31
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	41.09	41.09	_____
					TOTAL FIXED EXPENSES	41.09
					TOTAL VARIABLE AND FIXED EXPENSES	143.77
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	20.23
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	102.69	0.10	5.13	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			21.65	_____
					TOTAL	26.78
					NET RETURN TO LAND, LABOR AND MANAGEMENT	-6.56
<b>LABOR</b>						
		HR.	3.43	5.25	17.98	_____
					NET RETURN TO LAND AND MANAGEMENT	-24.54

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