AGRICULTURAL EXTENSION SERVICE THE UNIVERSITY OF TENNESSEE INSTITUTE OF AGRICULTURE Ur

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

ІТЕМ	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR
B FI / D II / P				(\$)	(\$)	FARM
REVENUE TOBACCO		LB.	2100.00	1.75	3675.00	
EXPENSES , VARIABLE	(DIANT BED)		2100.00	1.75	5075.00	
SEED (1)	HYBRID 1/12 OZ.	PKG.	2.00	7.00	14.00	
FERTILIZER	4-16-4	CWT.	0.50	8.30		
GAS COVER	103' X 10 1/2', 3 MIL.	<b>CW</b> 1.	1.00	14.68		
BED COVER	100' X 9', POLYESTER		1.00	25.19		
INSECTICIDE	DISYSTON	OZ.	1.00	3.53		
FUNGICIDE (2)	RIDOMIL	QT.	0.04	35.25		
FUMIGANT	METHYL BROMIDE 1 1/2	LB.	5.00	1.85		
APPLICATOR	PRORATED 3 YEARS	<u>г</u> в. 1	3.00	1.00		
MACHINERY	FRORATED 5 TEARS	AC.	1.00	30.55		
MACHINERI		AC.	1.00	50.55	50.55	
				TOTAL	105.76	
EXPENSES, VARIABLE	(FIELD AND OTHER) (3)					
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		)
MARKET FEES	4.5% + \$1/CWT					
HAULING	TO MARKET	CWT.	21.00	1.20		) (
PROGRAM COSTS (5)	NO NET COST, GRADING	CWT.	21.00	0.91		,
ASSESSMENT	1/2% OF SUPPORT	CWT.	21.00	0.79		,
MACHINERY		AC.	1.00	82.83		, <u> </u>
		TOT	AL VARIABLE	EXPENSES	751.33	3
	RETU	RN ABOY	VE VARIABLE	EXPENSES	2 <b>9</b> 23.67	
FDXED EXPENSES MACHINERY		AC.	1.00	77.41	77 41	
TOBACCO STICKS	PROBATED OVER & VRC	AC.	1600.00	0.15		)
	PRORATED OVER 8 YRS.		1000.00	0.15		
BARN (6)					217.50	,
			TOTAL FIXED	EXPENSES	324.91	
	TOTAL		E AND FIXED		1076.24	
NET RET	URN TO QUOTA, LAND, LABO				2598.70	
INTEREST	· · · · · · · · · · · · · · · · · · ·					
OPERATING CAPITAL	6 MONTHS	AC.	751.33	0.10	37.57	7
FIXED CAPITAL	EQUIP. @ BARN	AC.			266.80	
				TOTAL	304.43	3
	NET RETURN TO OUOTA, LAN	ND. LABO	DR. AND MAN	AGEMENT	2294.3	3
LABOR	NET RETURN TO QUOTA, LAN	ND, LABO HR.	OR, AND MAN 316.58	AGEMENT 5.25	2294.33	

ITEM	DESCRIPTION	UNIT Q	UANTITY	PRICE	AMOUNT	YOUR
R				(\$)	(\$)	FARM
REVENUE (1)						
COTTON	LINT	LB.	650.00	0.58	377.00	
				TOTAL	377.00	<u> </u>
VARIABLE EXPENSES				IUIAL	577.00	
SEED	ACID DELINTED	LB.	15.00	0.65	9.75	
FUNGICIDE(2)	TERRACLOR SUPER X	LB.	8.00	1.40		
	TEMIK	LB	3.00	2.86		
INSECTICIDE	BIDRIN	OZ.	1.60	0.63		
FERTILIZER	N	UZ. LB.	60.00	0.05		
TERTILIZER	P2O5	LB. LB.	60.00	0.23		
	K20	LB. LB.		0.23		
POPON	N20	LB. LB.	60.00			
BORON			0.50	2.38		
		TON	0.50	13.50	0./3	
HERBICIDE		-				
PRE-EMERGE(3)	TREFLAN E.C.	PT.	1.50	3.90		
	COTORAN (BAND) 4L	PT.	1.50	6.70		
POST-EMERGE(4)	MSMA (DIRECT)	PT.	1.00	2.05		
	CAPAROL	PT.	0.66	3.94		
INSECTICIDE(5)	MID SEASON	TIM	1.00	2.00		
DEFOLIANT	CUSTOM-AIRPLANE	ACR	1.00	7.50		
MACHINERY		AC.	1.00	65.61	65.61	
······	т	OTAL V	ARIABLE E	<b>XPENSES</b>	171.34	
			ARIABLE E		205.66	
FIXED EXPENSES		20121			200100	
MACHINERY		AC.	1.00	<b>8</b> 6.10	<b>8</b> 6.10	
		<b>8</b> 6.10				
	TOTAL VARI	ABLE AN	ID FIXED E	XPENSES	257.43	
	RN TO LAND, LABOR, CA	PITAL,	AND MANA	GEMENT	119.57	
INTEREST						
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	TEL RETORT TO LAND,	HR.	5.74	5.25	30.12	
		nĸ.	5.74	5.25	30.12	
	NET RETURN TO			GEMENT	36.64	

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

ПЕМ	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOU
				(\$)	(\$)	FARM
REVENUE						
CORN(1)	GRAIN	BU.	100.00	2.35	235.00	
VARIABLE EXPENSES						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	21.00	0.95	19.95	
FERTILIZER	Ν	LB.	120.00	0.25	30.00	
	P2O5	LB.	60.00	0.23	13.80	
	K2O	LB.	<b>60.00</b>	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	<b>4.8</b> 0	9. <b>6</b> 0	
MACHINERY		AC.	1.00	31.00	31.00	
		TO	AL VARIABLE	EXPENSES	123.04	
			VE VARIABLE			
FIXED EXPENSES						
MACHINERY		AC.	1.00	41. <b>8</b> 9	41.89	
			TOTAL FIXED	EXPENSES	41.89	
				2		
	т	TAL VARIAR	LE AND FIXED	EXPENSES	164.93	
				EXT ENGLO	104.75	
	NET RETURN TO LAND,	LABOR CAPI		AGEMENT	70.07	
INTEREST	HET RETORN TO EAND;	LABOR, CALL		AGEMENT		
OPERATING CAPITAL	6 MONTHS	AC.	123.04	0.10	6 15	
FIXED CAPITAL	MACHINERY & EQUIP.	AC. AC.	125.04	0.10		
FIXED CAPITAL	MACHINERT & EQUIP.	AC.			21.02	
				TOTAL		
				TOTAL		•
	NET RETURN		BOR AND MAN			
LABOR		HR.	2.98	5.25	15.62	
					95       19.95         25       30.00         23       13.80         14       8.40         50       6.75         83       3.54         80       9.60         00       31.00         ES       123.04         ES       111.96         89       41.89         ES       164.93         NT       70.07         .10       6.15         .21.62       .25         .25       15.62	
	NET	RETURN TO L	AND AND MAN	AGEMENT		

## CORN – CONVENTIONAL TILLAGE ESTIMATED RETURNS AND EXPENSES PER ACRE

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

#### CORN – NO TILLAGE ESTIMATED RETURNS AND EXPENSES PER ACRE

ГТЕМ	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOU
				(\$)	(\$)	FAR
REVENUE						
CORN(1)	GRAIN	BU.	100.00	2.35	235.00	
VARIABLE EXPENSES						
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	
					23.85 23.85	
		TO	AL VARIABLE	EXPENSES	138.51	
		RETURN ABO	VE VARIABLE	EXPENSES		
FIXED EXPENSES						
		AC.	1.00	35.37	35.37	
					$(5)$ $5 235.00$ $5 19.95$ $5 30.00$ $3 13.80$ $4 8.40$ $5 6.27$ $3 4.95$ $5 12.00$ $2 0.92$ $6 11.62$ $5 23.85$ $5 138.51$ $5 96.49$ $7 35.37$ $8 35.37$ $8 173.88$ $\Gamma 61.12$ $0 6.93$ $17.82$ $L 24.75$ $T 36.38$ $5 10.50$	
			TOTAL FIXED	EXPENSES	35.37	
	T	OTAL VARIAB	LE AND FIXED	EXPENSES	173.88	
	NET RETURN TO LAND,	LABOR, CAPI	TAL, AND MAN	AGEMENT	61.12	
INTEREST	,					
OPERATING CAPITAL	6 MONTHS	AC.	138.51	0.10	6.93	
FIXED CAPITAL	MACHINERY & EQUIP.	AC.				
				TOTAL	24.75	
	NET RETURN	TO LAND. LA	BOR AND MAN			
LABOR		HR.	2.00	5.25		
			2.00	0.20	10.00	
	NFT	RETURN TO I	AND AND MAN	AGEMENT	25.88	
	INE I	THE FORMER TO L			20.00	

ПЕМ	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR	
				(\$)	(\$)	FARM	
REVENUE							
SOYBEANS	BEANS	BU.	30.00	5.80	174.00		
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	0.23	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					
	RET		VE VARIABLE		99.94		
FIXED EXPENSES							
MACHINERY		AC.	1.00	43.12	43.12		
			TOTAL FIXED	EXPENSES	<b>43</b> .12		
					(3) $(3)$ $(1)$ $(1)$ $(3)$ $(1)$		
	τοται		LE AND FIXED	EXPENSES			
	10171	5 VIIId/10					
N	ET RETURN TO LAND, LAB	OR CAPIT	AL AND MAN	AGEMENT	56.82		
INTEREST	ET RETORICTO EARD, EAD			AUDITERT			
OPERATING CAPITAL	6 MONTHS	AC.	74.06	0.10	3 70		
FIXED CAPITAL	MACHINERY & EQUIP.	AC.	/4.00	0.10			
	MACHINERI & EQUIF.	AC.			22.03		
				TOTAL	26.25		
	NET BETHEN TO						
LABOR	NET RETURN TO	HR.	3.13				
		HK.	5.15	5.25	10.41		
					14.00		
	NET RET	UKN TOL	AND AND MAN	AGEMENT	14.06		

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

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

ПЕМ	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR
	··· · · ·			(\$)	(\$) 0 174.00 5 7.50 0 1.58 3 4.60 4 5.60 0 10.13 8 6.27 3 8.52 5 7.55 4 0.39 7 21.87 5 74.00 5 100.00 9 32.39 S 106.39 T 67.61 0 3.70 16.41 L 20.11 T 47.50	FARM
REVENUE						
SOYBEANS	BEANS	BU.	30.00	5.80	174.00	
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	
FERTLIZER	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	<u> </u>
	SURFACTANT(2)	QT.	0.20	1.94	0.39	
MACHINERY(4)		AC.	1.00	21.87	21.87	·
		74.00				
	RET	100.00				
FIXED EXPENSES						
MACHINERY		AC.	1.00	32.39	32.39	
ACHINERY(4) XED EXPENSES			TOTAL FIXED	EXPENSES	32.39	
					$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	ΤΟΤΑΙ	L VARIABL	E AND FIXED	EXPENSES	106.39	
N	ET RETURN TO LAND, LAB	OR. CAPIT	AL. AND MAN	AGEMENT	67.61	
INTEREST		,	,			
OPERATING CAPITAL	6 MONTHS	AC.	74.00	0.10	3.70	
FIXED CAPITAL	MACHINERY & EQUIP.	AC.	,	0.10		
					10.41	
				TOTAL	20.11	
	NET RETURN TO		ROP AND MAN			
LABOR	MET RETORN TO	$\frac{LAND, LAND}{HR}$	1.68	5.25		
		nĸ.	1.08	5.25	0./9	
			AND AND MAN	ACEMENT	20 71	
	NET KET		AND AND MAN	AGEMENI	38.71	

#### WHEAT

#### ESTIMATED RETURNS AND EXPENSES PER ACRE

ІТЕМ	DESCRIPTION	UNIT	QUANITITY	PRICE	AMOUNT	YOUR
				(\$)	(\$) 135.00 12.00 15.00 9.20 2.80 5.40 17.95 62.35 72.65 25.80 25.80 88.15 46.85 3.64 13.14 16.78 30.07 9.65	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	0.25	15.00	
	P2O5	LB.	40.00	0.23	(5) 0 135.00 0 12.00 5 15.00 3 9.20 4 2.80 0 5.40 5 17.95 S 62.35 S 72.65 0 25.80 S 25.80 S 88.15 T 46.85 0 3.64 13.14 L 16.78 T 30.07 5 9.65	
	K2O	LB.	20.00	0.14	2.80	
LIME		TON	0.40	13.50	5.40	
MACHINERY		AC.	1.00	17.95	17.95	
					(\$)         3.00       135.00         3.00       12.00         0.25       15.00         0.23       9.20         0.14       2.80         3.50       5.40         7.95       17.95         SES       62.35         SES       72.65         5.80       25.80         SES       25.80         SES       88.15         ENT       46.85         0.10       3.64         13.14       16.78         ENT       30.07         5.25       9.65	
		то	TAL VARIABLE	EXPENSES	62.35	
			OVE VARIABLE			
FIXED EXPENSES						
ACHINERY		AC.	1.00	25.80	25.80	
				20100	25.80 25.80	
			TOTAL FIXED	FXPENSES	25.80	
			IOTAL I MED	EXI ENGED	AMOUNT         (\$)           0         135.00           0         12.00           5         15.00           3         9.20           4         2.80           0         5.40           5         17.95           S         62.35           S         72.65           40         25.80           S         25.80           S         88.15           T         46.85           0         3.64           13.14         16.78           T         30.07           25         9.65	
	T T	OTAL VARIAR	LE AND FIXED	EVDENCES		
	•	OTAL VARIAD		EXI ENGES		
	NET RETURN TO LAND,	LABOR CAR	TAL AND MAN	AGEMENT		
NTEREST	NET REFORM TO EAND,	LABOR, CALI	TAL, AND MAIN	AGEMENT	40.85	
OPERATING CAPITAL	7 MONTHS	AC.	62.35	0.10	3 64	
FIXED CAPITAL			02.33	0.10		<del></del>
TRED CAPITAL	MACHINERY & EQUIP.	AC.			15.14	
					16.70	<u></u>
				TOTAL		
	NET RETURN		BOR AND MAN			
LABOR		HR.	1.84	5.25	9.65	
					$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	NET	RETURN TO L	AND AND MAN.	AGEMENT	20.43	

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

ІТЕМ	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR
REVENUE				(\$)	(\$)	FARM
WHEAT	GRAIN	BU.	45.00	3.00	135.00	
		BU.				
SOYBEANS	BEANS	во.	28.00	5.80	162.40	
				TOTAL	297.40	
VARIABLE EXPENSES				IUIAL	297.40	
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	8.00	12.00	
SEED	SOYBEANS	LB.	40.00	0.15	6.00	
INOCULATION	<b>VITAVAX M</b>	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.	<b>60</b> .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	
				41102	11.52	
		131.47				
	đ		AL VARIABLE		165.93	
FIXED EXPENSES					100170	
MACHINERY		AC.	1.00	61.03	61.03	
			TOTAL FIXED	EXPENSES	61.03	
	тот	192.49				
	NET RETURN TO LAND, L	ABOR, CAPI	TAL, AND MAN	AGEMENT	104.91	
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	131.47	0.10	6.57	
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			30.92	
	-					
				TOTAL	37.49	_
	NET RETURN T	O LAND, LA	BOR AND MAN		67.41	
LABOR		HR.	3.84	5.25	20.15	
	NET R	ETURN TO L	AND AND MAN	AGEMENT	47.27	

#### GRAIN SORGHUM ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR
				(\$)	(\$)	FARM
REVENUE						
GRAIN SORGHUM	GRAIN	BU.	80.00	2.05	164.00	
VARIABLE EXPENSES						_
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	
		ΤΟΤ	AL VARIABLE	EXPENSES	102.69	
	]	RETURN ABO	VE VARIABLE	EXPENSES	61.31	
FIXED EXPENSES						
MACHINERY		AC.	1.00	41.09	41.09	
			TOTAL FIXED	EXPENSES	41.09	
	TO	TAL VARIAB	LE AND FIXED	EXPENSES	143.77	
	NET RETURN TO LAND, L	ABOR, CAPIT	AL, AND MAN	AGEMENT	20.23	<u> </u>
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	102.69	0.10	5.13	
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			21.65	
				TOTAL	26.78	
	NET RETURN 1	TO LAND, LA	BOR AND MAN	AGEMENT	-6.56	
LABOR		HR.	3.43	5.25	17.98	
	NET R	ETURN TO L	AND AND MAN	AGEMENT	-24.54	

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