

FIELD CROP  
BUDGETS  
FOR 1989

AGRICULTURAL ECONOMICS AND RESOURCE DEVELOPMENT

AGRICULTURAL EXTENSION SERVICE

UNIVERSITY OF TENNESSEE

DECEMBER 1988

1989

COTTON  
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
REVENUE (1) COTTON	LINT	LB.	600.00	0.52	312.00	_____
				TOTAL	312.00	_____
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	0.54	0.86	_____
FERTILIZER	N	LB.	60.00	0.21	12.60	_____
	P205	LB.	60.00	0.21	12.60	_____
	K20	LB.	60.00	0.14	8.40	_____
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	3.33	5.00	_____
	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	54.77	54.77	_____
				TOTAL VARIABLE EXPENSES	144.57	_____
				RETURN ABOVE VARIABLE EXPENSES	167.43	_____
FIXED EXPENSES						
MACHINERY		AC.	1.00	83.16	83.16	_____
				TOTAL FIXED EXPENSES	83.16	_____
				TOTAL VARIABLE AND FIXED EXPENSES	227.73	_____
				NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	84.27	_____
INTEREST						
OPERATING CAPITAL	6 MONTHS	AC.	144.57	0.11	7.95	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			37.93	_____
				TOTAL	45.88	_____
				NET RETURN TO LAND, LABOR AND MANAGEMENT	38.39	_____
LABOR						
		HR.	5.74	4.50	25.82	_____
				NET RETURN TO LAND AND MANAGEMENT	12.57	_____

---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
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	100.00	2.15	215.00	_____
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	14-18 THOUS. PLANTS	THOU.	20.00	0.95	19.00	_____
FERTILIZER	N	LB.	150.00	0.21	31.50	_____
	P205	LB.	60.00	0.21	12.60	_____
	K20	LB.	60.00	0.14	8.40	_____
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	2.18	3.82	_____
LASSO	4#/GAL.	QT.	2.50	5.40	13.50	_____
SURFACTANT	NON-IONIC	AC.	1.00	0.84	0.84	_____
INSECT CONTROL(4)					0.00	_____
FURADAN 15G	GRANULES	LB.	7.00	1.46	10.22	_____
MACHINERY		AC.	1.00	19.85	19.85	_____
TOTAL VARIABLE EXPENSES					133.91	_____
RETURN ABOVE VARIABLE EXPENSES					81.09	_____
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	34.38	34.38	_____
TOTAL FIXED EXPENSES					34.38	_____
TOTAL VARIABLE AND FIXED EXPENSES					168.29	_____
NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT					46.71	_____
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	133.91	0.11	7.37	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			15.50	_____
TOTAL					22.86	_____
NET RETURN TO LAND, LABOR AND MANAGEMENT					23.84	_____
<b>LABOR</b>						
		HR.	2.00	4.50	9.00	_____
NET RETURN TO LAND AND MANAGEMENT					14.84	_____

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

CORN - 100  
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
<b>REVENUE</b>						
CORN(1)	GRAIN	BU.	100.00	2.15	215.00	_____
<b>VARIABLE EXPENSES</b>						
SEED KERNELS(2)	18-20 THOUS. PLANTS	THOU.	18.00	0.95	17.10	_____
FERTILIZER	N	LB.	120.00	0.21	25.20	_____
	P205	LB.	60.00	0.21	12.60	_____
	K20	LB.	60.00	0.14	8.40	_____
LIME	AG LIMESTONE	TON	0.50	12.50	6.25	_____
WEED CONTROL						_____
ATRAZINE 4L	4#/GAL.	QT.	1.25	2.18	2.73	_____
LASSO	4#/GAL.	QT.	1.75	5.40	9.45	_____
MACHINERY		AC.	1.00	26.04	26.04	_____
						_____
					TOTAL VARIABLE EXPENSES	107.77
					RETURN ABOVE VARIABLE EXPENSES	107.23
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	40.48	40.48	_____
						_____
					TOTAL FIXED EXPENSES	40.48
						_____
					TOTAL VARIABLE AND FIXED EXPENSES	148.25
						_____
					NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT	66.75
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	107.77	0.11	5.93	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			18.66	_____
						_____
					TOTAL	24.58
					NET RETURN TO LAND, LABOR AND MANAGEMENT	42.17
<b>LABOR</b>						
		HR.	2.98	4.50	13.39	_____
						_____
					NET RETURN TO LAND AND MANAGEMENT	28.78

--- 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
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	30.00	6.60	198.00	_____
<b>VARIABLE EXPENSES</b>						
SEED	8-10 PLANTS/FT.	LB.	40.00	0.20	8.00	_____
SEED TREATMENT	VITAVAX-M	BU.	0.66	1.95	1.29	_____
FERTILIZER	P205	LB.	40.00	0.21	8.40	_____
	K20	LB.	40.00	0.14	5.60	_____
LIME	3 TONS EVERY 4 YRS.	TON	0.75	12.50	9.38	_____
WEED CONTROL(1)						_____
PRE-PLANT	TREFLAN 4#/GAL.	PT.	1.50	3.33	5.00	_____
PRE-EMERGE	SCEPTER	PT.	0.66	21.92	14.47	_____
MACHINERY		AC.	1.00	27.66	27.66	_____
					79.79	_____
					118.21	_____
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	42.87	42.87	_____
					42.87	_____
					122.66	_____
					75.34	_____
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	79.79	0.11	4.39	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			20.07	_____
					24.46	_____
					50.88	_____
<b>LABOR</b>						
		HR.	3.13	4.50	14.06	_____
					36.82	_____

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

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
<b>REVENUE</b>						
SOYBEANS	BEANS	BU.	30.00	6.60	198.00	_____
<b>VARIABLE EXPENSES</b>						
SEED	6-8 PLANTS/FT.	LB.	60.00	0.20	12.00	_____
SEED TREATMENT	VITAVAX-M	BU.	1.00	1.95	1.95	_____
FERTILIZER	P205	LB.	40.00	0.21	8.40	_____
	K20	LB.	40.00	0.14	5.60	_____
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	_____
	SCEPTER	PT.	0.66	21.92	14.47	_____
	PROWL +	PT.	1.50	3.16	4.74	_____
	SURFACTANT(2)	AC.	1.00	0.84	0.84	_____
MACHINERY		AC.	1.00	17.49	17.49	_____
					82.80	_____
					115.20	_____
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	29.90	29.90	_____
					29.90	_____
					112.70	_____
					85.30	_____
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	82.80	0.11	4.55	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			13.49	_____
					18.04	_____
					67.26	_____
<b>LABOR</b>						
		HR.	1.68	4.50	7.54	_____
					59.72	_____

GRAIN SORGHUM  
ESTIMATED RETURNS AND EXPENSES PER ACRE

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
<b>REVENUE</b>						
GRAIN SORGHUM	GRAIN	BU.	80.00	1.75	140.00	_____
SEED(1)	TREATED W/ CONCEPT	LB.	8.00	0.90	7.20	_____
FERTILIZER	N	LB.	90.00	0.21	18.90	_____
	P205	LB.	40.00	0.21	8.40	_____
	K20	LB.	40.00	0.14	5.60	_____
LIME		TON	0.40	12.50	5.00	_____
WEED CONTROL						_____
PRE-EMERGE	BICEP(2)	QT.	2.40	6.37	15.29	_____
INSECTICIDE					7.00	_____
MACHINERY		AC.	1.00	27.38	27.38	_____
					<u>94.76</u>	_____
					45.24	_____
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	40.15	40.15	_____
					<u>40.15</u>	_____
					134.91	_____
					5.09	_____
<b>INTEREST</b>						
OPERATING CAPITAL 6 MONTHS		AC.	94.76	0.11	5.21	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			18.88	_____
					<u>24.09</u>	_____
					-19.00	_____
<b>LABOR</b>						
		HR.	3.43	4.50	15.41	_____
					<u>-34.41</u>	_____

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

**WHEAT**  
**ESTIMATED RETURNS AND EXPENSES PER ACRE**

ITEM	DESCRIPTION	QUANTITY	PRICE (DOLLARS)	AMOUNT (DOLLARS)	YOUR FARM
<b>REVENUE</b>					
WHEAT(1)		BU.	40.00	3.20	128.00
<b>VARIABLE EXPENSES (2)</b>					
SEED	TREATED/FUNGICIDE	BU.	1.50	8.00	12.00
FERTILIZER	N	LB.	60.00	0.21	12.60
	P205	LB.	40.00	0.21	8.40
	K20	LB.	20.00	0.14	2.80
LIME		TON	0.40	12.50	5.00
MACHINERY		AC.	1.00	15.30	15.30
				<b>TOTAL VARIABLE EXPENSES</b>	<u>56.10</u>
				<b>RETURN ABOVE VARIABLE EXPENSES</b>	<u>71.90</u>
<b>FIXED EXPENSES</b>					
MACHINERY		AC.	1.00	25.26	25.26
				<b>TOTAL FIXED EXPENSES</b>	<u>25.26</u>
				<b>TOTAL VARIABLE AND FIXED EXPENSES</b>	<u>81.36</u>
				<b>NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT</b>	<u>46.64</u>
<b>INTEREST</b>					
OPERATING CAPITAL	6 MONTHS	AC.	56.10	0.11	3.09
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			11.48
				<b>TOTAL</b>	<u>14.56</u>
				<b>NET RETURN TO LAND, LABOR AND MANAGEMENT</b>	<u>32.07</u>
<b>LABOR</b>					
		HR.	1.84	4.50	8.27
				<b>NET RETURN TO LAND AND MANAGEMENT</b>	<u>23.81</u>

---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
<b>REVENUE</b>						
WHEAT	GRAIN	BU.	40.00	3.20	128.00	_____
SOYBEANS	BEANS	BU.	26.00	6.60	171.60	_____
				<b>TOTAL</b>	<b>299.60</b>	_____
<b>VARIABLE EXPENSES</b>						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	1.50	8.00	12.00	_____
SEED	SOYBEANS	LB.	40.00	0.20	8.00	_____
INOCULATION	VITAVAX M	AC.	1.00	1.95	1.95	_____
FERTILIZER	N	LB.	60.00	0.21	12.60	_____
	P205	LB.	60.00	0.21	12.60	_____
	K20	LB.	90.00	0.14	12.60	_____
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	_____
	LOROX +	LB.	1.50	6.63	9.95	_____
	PROWL +	QT.	1.00	6.32	6.32	_____
	SURFACTANT(2)	AC.	1.00	0.84	0.84	_____
MACHINERY		AC.	1.00	34.30	34.30	_____
				<b>TOTAL VARIABLE EXPENSES</b>	<b>128.47</b>	_____
				<b>RETURN ABOVE VARIABLE EXPENSES</b>	<b>171.13</b>	_____
<b>FIXED EXPENSES</b>						
MACHINERY		AC.	1.00	58.21	58.21	_____
				<b>TOTAL FIXED EXPENSES</b>	<b>58.21</b>	_____
				<b>TOTAL VARIABLE AND FIXED EXPENSES</b>	<b>186.68</b>	_____
				<b>NET RETURN TO LAND, LABOR, CAPITAL, AND MANAGEMENT</b>	<b>112.92</b>	_____
<b>INTEREST</b>						
OPERATING CAPITAL	6 MONTHS	AC.	128.47	0.11	7.07	_____
FIXED CAPITAL	MACHINERY & EQUIP.	AC.			26.34	_____
				<b>TOTAL</b>	<b>33.40</b>	_____
				<b>NET RETURN TO LAND, LABOR AND MANAGEMENT</b>	<b>79.52</b>	_____
<b>LABOR</b>						
		HR.	3.84	4.50	17.27	_____
				<b>NET RETURN TO LAND AND MANAGEMENT</b>	<b>62.25</b>	_____