UT Extension

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FIELD CROP BUDGETS FOR 2010

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FIELD CROP BUDGETS
FOR 2010

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2010 PLANNING BUDGETS

This publication contains short-term planning budgets for corn, cotton, grain sorghum, soybean, and wheat enterprises. These budgets should be used for short-run or annual plans developed for 2010. Budgets for 2010 include cost estimates for 12 & 16 – row machinery complements only.

The fertilizer recommendations in the crop budgets are generally for soils that have a medium soil test. Farmers should have their soils tested in order to get maximum return for money spent for fertilizer. As crop programs are planned, the fertilizer applications can be adjusted to the soil test recommendations.

TRADE NAMES AND PESTICIDE CAUTION

Use of trade or brand names in this publication is for clarity and information; it does not imply approval of the product to the exclusion of others which may be of similar, suitable composition, nor does it guarantee or warrant the standard of the product.

Pesticides recommended in the publication were registered for the prescribed uses when this manual was printed. Pesticide registrations are continuously being reviewed. Should registration of a recommended pesticide be canceled, it will no longer be recommended by The University of Tennessee.

In order to protect people and the environment, pesticides should be used safely. This is everyone's responsibility, especially the user. Read and follow label directions carefully before you buy, mix, apply, store or dispose of a pesticide. According to laws regulating pesticides, they must be used only as directed by the label.

No direct government program benefits are included in the budgets. Adjust the estimates as appropriate.

THESE PRODUCTS ARE INTENDED <u>AS A GUIDE ONLY</u>. ADJUSTMENTS CAN BE AND SHOULD BE MADE WHEN NEEDED.

The computer internally calculates totals to the seventh decimal place. Totals for a column may not equal the total of rounded numbers.

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Explanation of Machinery Data Table

The machinery table contains information that is used to calculate fixed and variable costs on a per hour basis. The per hour costs are used in the crop budgets to calculate fixed and variable costs per acre. Four items are needed to calculate machinery costs: 1) Machinery Hours Per Acre; 2) Labor Hours Per Acre; 3) Fixed Cost Per Hour; and 4) Variable Cost Per Hour. The following is an explanation of those four calculations.

1) Machinery hours per acre is calculated in three steps. First, from the machinery table, the Theoretical Field Efficiency (TFE) is calculated by multiplying the speed times the width of the machinery, then dividing that product by 8.25, giving the acres covered in an hour by the machinery. Multiplying the TFE by the Field Efficiency (FE) percent gives the Effective Field Efficiency (EFE). The FE is taken from the American Society of Agricultural Engineers (ASAE) data of 2005. Last, the EFE is inverted to give the number of hours needed to cover the acre of land, for each item of machinery.

2) The labor hours per acre for each item of machinery is estimated to be 1.25 times the machinery hours per acre.

3) Fixed cost per year is calculated by summing depreciation, insurance, and storage costs. Depreciation is calculated by taking 90% of the new machine's cost (assuming a 10% salvage value), dividing that cost by the machine's life, in hours, then multiplying by the hours of use per year. Insurance cost is one-half the new cost times a factor of .012. Storage costs are given by the amount of storage space in square feet times a factor of .193. Dividing the fixed cost per year by the hours of use per year gives the fixed cost per hour.

4) Variable cost per hour is made up of repair, fuel, and oil and filter costs. The repair cost is calculated by multiplying the percent repair of new cost (as a decimal) by the new cost of the machinery, then dividing by its life in hours. The fuel cost is calculated for only the self-propelled machinery items, and is the fuel use per hour (in gallons) times the projected price of fuel. The oil and filter cost is the fuel cost times a factor of .1 for self-propelled machinery except for tractors with 100 horsepowers or more. The factor for the larger tractors is .06.

FE, TFE, and EFE are not listed for self-propelled machinery in the machinery table. Self-propelled machinery's hours of use are the sums of their attachments' hours of use. For tractors, the attachments include cultivating, planting, and spraying equipment. For a combine, the attachment is its header.

Machinery Data Table

Equipment	New Cost	Life In Hours	Hours Of Use Per Year	Fixed Cost Per Hour	Variable Cost Per Hour	Interest Cost Per Hour	Speed (MPH)	Width (FEET)	F.E.	T.F.E. Acres Per Hour	E.F.E. Acres Per Hour	Machine Hours Per Acre	Labor Hours Per Acre	Fixed Cost Per Year	Repair Percent Of New Cost	Total Cost Per Hour	Storage Space SQ. FT.	Fuel Use Per Hour (GAL)	Salvage Value (%)
Chisel Plow, 19 Shank *	$15,000	2000	133	$7.50	$5.63	$3.38	5	19.00	0.85	11.52	9.79	0.10	0.13	$997.40	75	$13.12	50	0	10
Chisel Plow, 21 Shank *	$18,000	2000	133	$8.99	$6.75	$4.06	5	21.00	0.85	12.73	10.82	0.09	0.12	$1,195.92	75	$15.74	55	0	10
Tandem Disk, 30',Mounted	$38,250	2000	133	$19.25	$11.48	$8.63	6	30.00	0.8	21.82	17.45	0.06	0.07	$2,560.06	60	$30.72	214	0	10
Tandem Disk, 29'3",Pull	$33,500	2000	133	$16.89	$10.05	$7.56	6	29.00	0.8	21.09	16.87	0.06	0.07	$2,246.51	60	$26.94	210	0	10
Do-All 30'	$24,000	2000	133	$12.23	$4.80	$5.41	4.5	25.00	0.8	13.64	10.91	0.09	0.11	$1,626.72	40	$17.03	240	0	10
Cultimulcher, 20'	$24,000	2000	133	$12.28	$4.80	$5.41	5	20.00	0.8	12.12	9.70	0.10	0.13	$1,632.90	40	$17.08	272	0	10
Fertilizer Spreader,Spinner,900#	$1,000	1200	60	$0.94	$0.67	$0.50	7	25.00	0.7	21.21	14.85	0.07	0.08	$56.40	80	$1.61	28	0	10
Grain Drill, 21X7"	$42,500	1500	100	$28.32	$21.25	$12.75	5	21.00	0.7	12.73	8.91	0.11	0.14	$2,831.63	75	$49.57	138	0	10
Planter, 38" 12-Row	$62,500	1500	100	$42.33	$31.25	$18.75	5.5	38.00	0.65	25.33	16.47	0.06	0.08	$4,232.69	75	$73.58	558	0	10
Cultivator, 30" 12-Row	$18,000	2000	133	$9.28	$7.20	$4.06	5	30.00	0.8	18.18	14.55	0.07	0.09	$1,234.52	80	$16.48	255	0	10
Sprayer, S.P., 16-Row, 90', 800Gal, Hi-Clearance	$195,000	2000	130	$97.09	$83.37	$45.00	15	90.00	0.6	163.64	98.18	0.01	0.01	$12,622.28	60	$180.46	232	9.62	10
Combine,S.P.,W/Cab,Air,No Head,8-Row(9600)	$280,000	3000	300	$90.06	$64.73	$28.00	3							$27,018.96	40	$154.80	720	10.6	10
Grain Head 25'	$28,000	1500	300	$17.51	$11.20	$2.80	4	25.00	0.67	12.12	8.12	0.12	0.15	$5,254.32	60	$28.71	240	0	10
Corn Header, 8-Row, 30"	$52,500	1500	300	$32.74	$21.00	$5.25	4.5	20.00	0.67	10.91	7.31	0.14	0.17	$9,822.51	60	$53.74	298	0	10
Cotton Picker, 6-Row, S.P. 300/325HP	$350,000	3000	300	$112.28	$136.58	$35.00	4	19.00	0.75	9.21	6.91	0.14	0.18	$33,684.92	80	$248.86	440	16.73	10
Cotton Picker, 6-Row, S.P. 300/325HP,2nd Harvest	$350,000	3000	300	$112.28	$136.58	$35.00	4.5	19.00	0.75	10.36	7.77	0.13	0.16	$33,684.92	80	$248.86	440	16.73	10
Boll Buggy	$25,000	3000	300	$8.13	$4.17	$2.50	0							$2,438.60	50	$12.30	200	0	10
Module Builder, 32'	$30,000	3000	300	$9.81	$5.00	$3.00	0							$2,941.76	50	$14.81	320	0	10
Tractor, 150H.P.,W/Cab, Air	$132,500	12000	666	$11.17	$30.72	$5.97	0							$7,440.59	100	$41.89	141	7.9	10
Tractor, 215H.P.,Articulated	$167,500	12000	666	$14.12	$40.86	$7.55	0							$9,406.37	100	$54.98	180	10.8	10
Rotary Mower, 15', Fold-Up	$13,250	2000	60	$7.64	$11.59	$6.63	7	15.00	0.8	12.73	10.18	0.10	0.12	$458.29	175	$19.23	109	0	10
Hooded Sprayer-Red Ball 12-Row W/Tank	$16,000	1500	100	$10.70	$7.47	$4.80	6.5	38.00	0.65	29.94	19.46	0.05	0.06	$1,069.51	70	$18.16	70	0	10
Semi Tractor Trailer	$35,000	3000	250	$11.57	$17.47	$4.20	0							$2,891.94	60	$29.04	295	4.0495	10
Grain Cart (750 bu)	$28,500	3000	300	$9.25	$4.75	$2.85	0							$2,774.60	50	$14.00	200	0	10

Estimated Per Acre Variable and Fixed Costs of Field Operations

Operation	Equipment	Tractor or SP Machinery	Machine Hours Per Acre	Interest Cost Per Acre	Depreciation Cost Per Acre	Repair Cost Per Acre	Fuel&Oil Cost Per Acre	Labor Cost Per Acre	Total Fixed Cost/Acre	Total Variable Cost/Acre	Total Cost/Acre
Corn, Soybeans, and Wheat:											
Chisel	Chisel Plow, 21'	215 HP Tractor	0.0924	$1.07	$2.14	$1.91	$2.49	$1.13	$3.21	$5.53	$8.74
Disk	Tandem Disk, 29'	215 HP Tractor	0.0593	$0.90	$1.84	$1.42	$1.59	$0.72	$2.73	$3.74	$6.47
Cultivate	Do-All, 30'	215 HP Tractor	0.0917	$1.19	$2.42	$1.72	$2.47	$1.12	$3.60	$5.30	$8.91
Plant	Planter, 12 Row	215 HP Tractor	0.0607	$1.60	$3.43	$2.75	$1.63	$0.74	$5.03	$5.12	$10.14
Spray		SP Boom, 90'	0.0102	$0.46	$0.99	$0.60	$0.25	$0.12	$1.45	$0.97	$2.42
Harvest Corn	8 Row Head	Combine	0.1368	$4.55	$16.80	$7.98	$3.75	$1.67	$21.35	$13.40	$34.75
Harvest Wheat, Beans	Grain Head, 25'	Combine	0.1231	$3.79	$13.25	$5.98	$3.37	$1.50	$17.04	$10.85	$27.89
Haul In Field	Grain Cart	215 HP Tractor	0.1368	$1.11	$5.74	$3.52	$2.72	$1.67	$6.85	$7.91	$14.76
Cotton:											
Chop Stalks	Rotary Mower, 15'	215 HP Tractor	0.0982	$1.39	$2.14	$2.51	$2.64	$1.20	$3.53	$6.35	$9.88
Chisel	Chisel Plow, 19'	215 HP Tractor	0.1022	$1.12	$2.21	$2.00	$2.75	$1.25	$3.33	$5.99	$9.32
Disk	Disk, 30' Mounted	215 HP Tractor	0.0573	$0.93	$1.91	$1.46	$1.54	$0.70	$2.84	$3.70	$6.54
Prepare Seedbed	Do-All, 30'	215 HP Tractor	0.0917	$1.19	$2.42	$1.72	$2.47	$1.12	$3.60	$5.30	$8.91
Plant	Planter, 12 Row	215 HP Tractor	0.0607	$1.60	$3.43	$2.75	$1.63	$0.74	$5.03	$5.12	$10.14
Spray		SP Boom, 90'	0.0102	$0.46	$0.99	$0.60	$0.25	$0.12	$1.45	$0.97	$2.42
Cultivate	Cultivator, 12 Row	215 HP Tractor	0.0688	$0.80	$1.61	$1.45	$1.85	$0.84	$2.41	$4.14	$6.55
Spray, Post Direct	Hooded Sprayer	215 HP Tractor	0.0514	$0.63	$1.28	$1.10	$1.38	$0.63	$1.91	$3.11	$5.02
Harvest		SP Picker, 6 Row	0.1447	$5.07	$16.25	$13.51	$6.26	$1.76	$21.32	$21.53	$42.85
Harvest	Boll Buggy	215 HP Tractor	0.1447	$1.45	$3.22	$2.62	$3.89	$1.76	$4.67	$8.28	$12.96
Harvest	Module Builder	150 HP Tractor	0.2895	$2.60	$6.07	$4.64	$5.70	$3.53	$8.67	$13.87	$22.54

Note: Total Fixed Cost/Acre is the sum of Interest and Deprecation costs per acre.
Note: Total Variable Cost/Acre is the sum of Repair, Fuel, and Labor costs per acre.

The table above is an estimated cost per acre of several field operations. The actual cost of these operations may vary widely from farm to farm.

CORN, ROUNDUP READY, CONVENTIONAL TILLAGE, 120 BUSHEL YIELD

ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
CORN	GRAIN	BU.	120	$3.60	$432.00	_____
VARIABLE EXPENSES (1)						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	$200.00	$65.00	_____
FERTILIZER	N (UREA)	LB.	125	$0.43	$53.75	_____
	P2O5	LB.	50	$0.52	$26.00	_____
	K2O	LB.	50	$0.44	$22.00	_____
LIME	AG LIMESTONE	TON	0.5	$34.50	$17.25	_____
WEED CONTROL						
PRE-EMERGE	BICEP II MAGNUM	QT.	2.1	$9.70	$20.37	_____
POST-EMERGE	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
MACHINERY REPAIR		AC.	1	$21.43	$21.43	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$19.35	$19.35	_____
OPERATING CAPITAL	6 MONTHS	AC.	$251.19	6.00%	$7.54	_____
				TOTAL VARIABLE EXPENSES	$258.73	_____
				RETURN ABOVE VARIABLE EXPENSES	$173.27	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$34.33	$34.33	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$12.72	$12.72	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	$126.22	_____
LABOR EXPENSES						
LABOR		HR.	1.00	$9.75	$9.77	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	$116.45	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) A FOLIAR FUNGICIDE APPLICATION MAY BE USED IN SOME CROPPING SYSTEMS AT A COST OF $15/ACRE PLUS APPLICATION COST. COST WILL VARY DEPENDING ON THE FUNGICIDE USED AND THE APPLICATION RATE. A FOLIAR INSECTICIDE MAY BE APPLIED AFTER SILKING AS NEEDED AT A COST OF $10/ACRE PLUS APPLICATION COST.

(2) ASSUMES A BAG OF 80,000 SEEDS AND A 90% GERMINATION RATE FOR A FINAL STAND COUNT OF 23,400 PLANTS PER ACRE. SEED TREATMENT INCLUDED IN PRICE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

CORN, ROUNDUP READY, CONVENTIONAL TILLAGE, 120 BUSHEL YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
MAR-APR	CHISEL	CHISEL PLOW, 21'	0.09	0.12
	DISK	TANDEM DISK, 29'	0.06	0.07
	CULTIVATE	DO-ALL, 30'	0.09	0.11
	PLANT	PLANTER, 12-ROW	0.06	0.08
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
APR-MAY	WEED CONTROL 2X	SP BOOM SPRAYER, 90'	0.02	0.03
SEP-OCT	HARVEST	COMBINE, 8-ROW HD.	0.14	0.17
	HAUL, IN FIELD	GRAIN CART	0.14	0.17
	HAUL	SEMI TRACTOR/TRAILER	0.14	0.17
			TOTAL	1.00

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.51	$7.55	$3.83	$14.12	$40.86	$7.17	$7.09	$13.66	$20.75
COMBINE	0.14	$28.00	$3.83	$90.06	$64.73	$12.32	$5.11	$3.75	$8.86
CORN HEAD	0.14	$5.25	$0.72	$32.74	$21.00	$4.48	$2.87	$0.00	$2.87
SEMI T/T	0.14	$4.20	$0.57	$11.57	$17.47	$1.58	$0.96	$1.43	$2.39
CHISEL PLOW	0.09	$4.06	$0.38	$8.99	$6.75	$0.83	$0.62	$0.00	$0.62
DISK	0.06	$7.56	$0.45	$16.89	$10.05	$1.00	$0.60	$0.00	$0.60
PLANTER	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
SPRAYER	0.02	$45.00	$0.92	$97.09	$83.37	$1.98	$1.19	$0.51	$1.70
DO-ALL	0.09	$5.41	$0.50	$12.23	$4.80	$1.12	$0.44	$0.00	$0.44
GRAIN CART	0.14	$2.85	$0.39	$9.25	$4.75	$1.27	$0.65	$0.00	$0.65
TOTAL			$12.72			$34.33	$21.43	$19.35	$40.78

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	$3.60	71.9
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$3.60	87.7

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	120	$2.16
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	120	$2.63

CORN, Bt II ROUNDUP READY, CONVENTIONAL TILLAGE, 150 BUSHEL YIELD

ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
CORN	GRAIN	BU.	150	$3.60	$540.00	_____
VARIABLE EXPENSES(1)						
SEED KERNELS(2)	30 THOUSAND SEEDS	BAG	0.375	$230.00	$86.25	_____
FERTILIZER	N (UREA)	LB.	170	$0.43	$73.10	_____
	P2O5	LB.	70	$0.52	$36.40	_____
	K2O	LB.	70	$0.44	$30.80	_____
LIME	AG LIMESTONE	TON	0.5	$34.50	$17.25	_____
WEED CONTROL						
PRE-EMERGE	BICEP II MAGNUM	QT.	2.1	$9.70	$20.37	_____
POST-EMERGE	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
MACHINERY REPAIR		AC.	1	$21.43	$21.43	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$19.35	$19.35	_____
OPERATING CAPITAL	6 MONTHS	AC.	$310.99	6.00%	$9.33	_____
				TOTAL VARIABLE EXPENSES	$320.32	_____
				RETURN ABOVE VARIABLE EXPENSES	$219.68	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$34.33	$34.33	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$12.72	$12.72	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	$172.63	_____
LABOR EXPENSES						
LABOR		HR.	1.00	$9.75	$9.77	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	$162.86	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) A FOLIAR FUNGICIDE APPLICATION MAY BE USED IN SOME CROPPING SYSTEMS AT A COST OF $15/ACRE PLUS APPLICATION COST. COST WILL VARY DEPENDING ON THE FUNGICIDE USED AND THE APPLICATION RATE. A FOLIAR INSECTICIDE MAY BE APPLIED AFTER SILKING AS NEEDED AT A COST OF $10/ACRE PLUS APPLICATION COST.

(2) ASSUMES A BAG OF 80,000 SEEDS AND A 90% GERMINATION RATE FOR A FINAL STAND COUNT OF 27,000 PLANTS PER ACRE.SEED TREATMENT INCLUDED IN PRICE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

CORN, Bt II ROUNDUP READY, CONVENTIONAL TILLAGE, 150 BUSHEL YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
MAR-APR	CHISEL	CHISEL PLOW, 21'	0.09	0.12
	DISK	TANDEM DISK, 29'	0.06	0.07
	CULTIVATE	DO-ALL, 30'	0.09	0.11
	PLANT	PLANTER, 12-ROW	0.06	0.08
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
APR-MAY	WEED CONTROL 2X	SP BOOM SPRAYER, 90'	0.02	0.03
SEP-OCT	HARVEST	COMBINE, 8-ROW HD.	0.14	0.17
	HAUL, IN FIELD	GRAIN CART	0.14	0.17
	HAUL	SEMI TRACTOR/TRAILER	0.14	0.17
			TOTAL	1.00

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.51	$7.55	$3.83	$14.12	$40.86	$7.17	$7.09	$13.66	$20.75
COMBINE	0.14	$28.00	$3.83	$90.06	$64.73	$12.32	$5.11	$3.75	$8.86
CORN HEAD	0.14	$5.25	$0.72	$32.74	$21.00	$4.48	$2.87	$0.00	$2.87
SEMI T/T	0.14	$4.20	$0.57	$11.57	$17.47	$1.58	$0.96	$1.43	$2.39
CHISEL PLOW	0.09	$4.06	$0.38	$8.99	$6.75	$0.83	$0.62	$0.00	$0.62
DISK	0.06	$7.56	$0.45	$16.89	$10.05	$1.00	$0.60	$0.00	$0.60
PLANTER	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
SPRAYER	0.02	$45.00	$0.92	$97.09	$83.37	$1.98	$1.19	$0.51	$1.70
DO-ALL	0.09	$5.41	$0.50	$12.23	$4.80	$1.12	$0.44	$0.00	$0.44
GRAIN CART	0.14	$2.85	$0.39	$9.25	$4.75	$1.27	$0.65	$0.00	$0.65
TOTAL			$12.72			$34.33	$21.43	$19.35	$40.78

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	$3.60	89.0
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$3.60	104.8

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	150	$2.14
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	150	$2.51

CORN, ROUNDUP READY, NO TILLAGE, 120 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
CORN(1)	GRAIN	BU.	120	$3.60	$432.00	_____
VARIABLE EXPENSES(1)						
SEED KERNELS(2)	26 THOUSAND SEEDS	BAG	0.325	$200.00	$65.00	_____
FERTILIZER	N (UREA)	LB.	125	$0.43	$53.75	_____
	P2O5	LB.	50	$0.52	$26.00	_____
	K2O	LB.	50	$0.44	$22.00	_____
LIME	AG LIMESTONE	TON	0.5	$34.50	$17.25	_____
WEED CONTROL						
BURNDOWN	GRAMOXONE INTEON	QT.	1.25	$7.87	$9.84	_____
	SURFACTANT (80% ACT.)	PT.	0.2	$1.91	$0.38	_____
PRE-EMERGE	BICEP II MAGNUM	QT.	2.1	$9.70	$20.37	_____
POST-EMERGE	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
MACHINERY REPAIR		AC.	1	$16.97	$16.97	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$13.06	$13.06	_____
OPERATING CAPITAL	6 MONTHS	AC.	$250.66	6.00%	$7.52	_____
				TOTAL VARIABLE EXPENSES	$258.18	_____
				RETURN ABOVE VARIABLE EXPENSES	$173.82	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$28.92	$28.92	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$10.02	$10.02	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	$134.88	_____
LABOR EXPENSES						
LABOR		HR.	0.71	$9.75	$6.93	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	$127.94	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) A FOLIAR FUNGICIDE APPLICATION MAY BE USED IN SOME CROPPING SYSTEMS AT A COST OF $15/ACRE PLUS APPLICATION COST. COST WILL VARY DEPENDING ON THE FUNGICIDE USED AND THE APPLICATION RATE. A FOLIAR INSECTICIDE MAY BE APPLIED AFTER SILKING AS NEEDED AT A COST OF $10/ACRE PLUS APPLICATION COST.

(2) ASSUMES A BAG OF 80,000 SEEDS AND A 90% GERMINATION RATE FOR A FINAL STAND COUNT OF 23,400 PLANTS PER ACRE. SEED TREATMENT INCLUDED IN PRICE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

CORN, ROUNDUP READY, NO TILLAGE, 120 BUSHEL YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
APR-MAY	PLANT	PLANTER, 12-ROW	0.06	0.08
	WEED CONTROL 3X	SP BOOM SPRAYER, 90'	0.03	0.04
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
SEP-OCT	HARVEST	COMBINE, 8-ROW HD.	0.14	0.17
	HAUL, IN FIELD	GRAIN CART	0.14	0.17
	HAUL	SEMI TRACTOR/TRAILER	0.14	0.17
			TOTAL	0.71

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.26	$7.55	$2.00	$14.12	$40.86	$3.74	$3.69	$7.12	$10.81
COMBINE	0.14	$28.00	$3.83	$90.06	$64.73	$12.32	$5.11	$3.75	$8.86
CORN HEAD	0.14	$5.25	$0.72	$32.74	$21.00	$4.48	$2.87	$0.00	$2.87
SEMI T/T	0.14	$4.20	$0.57	$11.57	$17.47	$1.58	$0.96	$1.43	$2.39
PLANTER	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
SPRAYER	0.03	$45.00	$1.38	$97.09	$83.37	$2.97	$1.79	$0.76	$2.55
GRAIN CART	0.14	$2.85	$0.39	$9.25	$4.75	$1.27	$0.65	$0.00	$0.65
TOTAL			$10.02			$28.92	$16.97	$13.06	$30.02

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	$3.60	71.7
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$3.60	84.5

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	120	$2.15
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	120	$2.53

CORN, Bt II ROUNDUP READY, NO TILLAGE, 150 BUSHEL YIELD

ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
CORN	GRAIN	BU.	150	$3.60	$540.00	_____
VARIABLE EXPENSES(1)						
SEED KERNELS(2)	30 THOUSAND SEEDS	BAG	0.375	$230.00	$86.25	_____
FERTILIZER	N (UREA)	LB.	170	$0.43	$73.10	_____
	P2O5	LB.	70	$0.52	$36.40	_____
	K2O	LB.	70	$0.44	$30.80	_____
LIME	AG LIMESTONE	TON	0.5	$34.50	$17.25	_____
WEED CONTROL						
BURNDOWN	GRAMOXONE INTEON	QT.	1.25	$7.87	$9.84	_____
	SURFACTANT (80% ACT.)	PT.	0.2	$1.91	$0.38	_____
PRE-EMERGE	BICEP II MAGNUM	QT.	2.1	$9.70	$20.37	_____
POST-EMERGE	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
MACHINERY REPAIR		AC.	1	$16.97	$16.97	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$13.06	$13.06	_____
OPERATING CAPITAL	6 MONTHS	AC.	$310.46	6.00%	$9.31	_____
			TOTAL VARIABLE EXPENSES		$319.77	_____
			RETURN ABOVE VARIABLE EXPENSES		$220.23	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$28.92	$28.92	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$10.02	$10.02	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$181.28	_____
LABOR EXPENSES						
LABOR		HR.	0.71	$9.75	$6.93	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$174.35	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) A FOLIAR FUNGICIDE APPLICATION MAY BE USED IN SOME CROPPING SYSTEMS AT A COST OF $15/ACRE PLUS APPLICATION COST. COST WILL VARY DEPENDING ON THE FUNGICIDE USED AND THE APPLICATION RATE. A FOLIAR INSECTICIDE MAY BE APPLIED AFTER SILKING AS NEEDED AT A COST OF $10/ACRE PLUS APPLICATION COST.

(2) ASSUMES A BAG OF 80,000 SEEDS AND A 90% GERMINATION RATE FOR A FINAL STAND COUNT OF 27,000 PLANTS PER ACRE.SEED TREATMENT INCLUDED IN PRICE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

CORN, Bt II ROUNDUP READY, NO TILLAGE, 150 BUSHEL YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
APR-MAY	PLANT	PLANTER, 12-ROW	0.06	0.08
	WEED CONTROL 3X	SP BOOM SPRAYER, 90'	0.03	0.04
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
SEP-OCT	HARVEST	COMBINE, 8-ROW HD.	0.14	0.17
	HAUL, IN FIELD	GRAIN CART	0.14	0.17
	HAUL	SEMI TRACTOR/TRAILER	0.14	0.17
			TOTAL	0.71

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.26	$7.55	$2.00	$14.12	$40.86	$3.74	$3.69	$7.12	$10.81
COMBINE	0.14	$28.00	$3.83	$90.06	$64.73	$12.32	$5.11	$3.75	$8.86
CORN HEAD	0.14	$5.25	$0.72	$32.74	$21.00	$4.48	$2.87	$0.00	$2.87
SEMI T/T	0.14	$4.20	$0.57	$11.57	$17.47	$1.58	$0.96	$1.43	$2.39
PLANTER	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
SPRAYER	0.03	$45.00	$1.38	$97.09	$83.37	$2.97	$1.79	$0.76	$2.55
GRAIN CART	0.14	$2.85	$0.39	$9.25	$4.75	$1.27	$0.65	$0.00	$0.65
TOTAL			$10.02			$28.92	$16.97	$13.06	$30.02

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	$3.60	88.8
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$3.60	101.6

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	150	$2.13
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	150	$2.44

GRAIN SORGHUM - CONVENTIONAL TILLAGE, 90 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
GRAIN SORGHUM(1)	GRAIN	BU.	90	$3.40	$306.00	_____
VARIABLE EXPENSES						
SEED	SEEDING RATE	LB.	6	$1.63	$9.78	_____
SEED TREATMENT	INSECTICIDE	ACRE	1	$8.00	$8.00	_____
FERTILIZER	N (UREA)	LB.	100	$0.43	$43.00	_____
	P2O5	LB.	50	$0.52	$26.00	_____
	K2O	LB.	50	$0.44	$22.00	_____
LIME	AG LIMESTONE	TON	0.5	$34.50	$17.25	_____
WEED CONTROL(2)						
BICEP II MAGNUM	5.5#/GAL.	QT.	2.1	$9.70	$20.37	_____
						_____
MACHINERY REPAIR		AC.	1	$20.83	$20.83	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$19.10	$19.10	_____
OPERATING CAPITAL	6 MONTHS	AC.	$186.33	6.00%	$5.59	_____
			TOTAL VARIABLE EXPENSES		$191.92	_____
			RETURN ABOVE VARIABLE EXPENSES		$114.08	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$33.34	$33.34	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$12.26	$12.26	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$68.48	_____
LABOR EXPENSES						
LABOR		HR.	0.99	$9.75	$9.65	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$58.83	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) LATE PLANTED SORGHUM IS SUSCEPTIBLE TO SORGHUM MIDGE AND MUST BE SCOUTED FOR POSSIBLE TREATMENT.

(2) DO NOT USE BICEP II MANGUM, DUAL II MANGUM OR GUARDSMAN MAX PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH CONCEP OR SCREEN. DO NOT USE LARIAT, BULLET OR LASSO PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH A SEED SAFENER CONTAINING THE ACTIVE INGREDIENT FLURAZOLE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

GRAIN SORGHUM - CONVENTIONAL TILLAGE, 90 BUSHEL YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
MAR-APR	CHISEL	CHISEL PLOW, 21'	0.09	0.12
	DISK	TANDEM DISK, 29'	0.06	0.07
	CULTIVATE	DO-ALL, 30'	0.09	0.11
	PLANT	PLANTER, 12-ROW	0.06	0.08
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
MAY	SPRAY/WEED CONTROL	SP BOOM SPRAYER, 90'	0.01	0.01
SEP-OCT	HARVEST	COMBINE, 8-ROW HD.	0.14	0.17
	HAUL, IN FIELD	GRAIN CART	0.14	0.17
	HAUL	SEMI TRACTOR/TRAILER	0.14	0.17
			TOTAL	0.99

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.51	$7.55	$3.83	$14.12	$40.86	$7.17	$7.09	$13.66	$20.75
COMBINE	0.14	$28.00	$3.83	$90.06	$64.73	$12.32	$5.11	$3.75	$8.86
CORN HEAD	0.14	$5.25	$0.72	$32.74	$21.00	$4.48	$2.87	$0.00	$2.87
SEMI T/T	0.14	$4.20	$0.57	$11.57	$17.47	$1.58	$0.96	$1.43	$2.39
CHISEL PLOW	0.09	$4.06	$0.38	$8.99	$6.75	$0.83	$0.62	$0.00	$0.62
DISK	0.06	$7.56	$0.45	$16.89	$10.05	$1.00	$0.60	$0.00	$0.60
PLANTER	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
SPRAYER	0.01	$45.00	$0.46	$97.09	$83.37	$0.99	$0.60	$0.25	$0.85
DO-ALL	0.09	$5.41	$0.50	$12.23	$4.80	$1.12	$0.44	$0.00	$0.44
GRAIN CART	0.14	$2.85	$0.39	$9.25	$4.75	$1.27	$0.65	$0.00	$0.65
TOTAL			$12.26			$33.34	$20.83	$19.10	$39.93

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	$3.40	56.4
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$3.40	72.7

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	90	$2.13
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	90	$2.75

GRAIN SORGHUM - NO TILLAGE, 90 BUSHEL YIELD

ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
GRAIN SORGUM(1)	GRAIN	BU.	90	$3.40	$306.00	_____
VARIABLE EXPENSES						
SEED	SEEDING RATE	LB.	6	$1.63	$9.78	_____
SEED TREATMENT	INSECTICIDE	ACRE	1	$8.00	$8.00	_____
FERTILIZER	N (UREA)	LB.	100	$0.43	$43.00	_____
	P2O5	LB.	50	$0.52	$26.00	_____
	K2O	LB.	50	$0.44	$22.00	_____
LIME	AG LIMESTONE	TON	0.5	$34.50	$17.25	_____
WEED CONTROL(2)						
BURNDOWN	GRAMOXONE INTEON	QT.	1.25	$7.87	$9.84	_____
	SURFACTANT (80% ACT.)	PT.	0.2	$1.91	$0.38	_____
PRE-EMERGE	BICEP II MAGNUM	QT.	2.1	$9.70	$20.37	_____
	ATRAZINE 4L	OZ.	11.84	$0.14	$1.66	_____
	CROP OIL CONCENTRATE	PT.	2	1.79	$3.58	_____
MACHINERY REPAIR		AC.	1	$15.77	$15.77	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$12.55	$12.55	_____
OPERATING CAPITAL	6 MONTHS	AC.	$190.18	6.00%	$5.71	_____
			TOTAL VARIABLE EXPENSES		$195.89	_____
			RETURN ABOVE VARIABLE EXPENSES		$110.11	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$26.95	$26.95	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$9.11	$9.11	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$74.06	_____
LABOR EXPENSES						
LABOR		HR.	0.69	$9.75	$6.68	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$67.38	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) LATE PLANTED SORGHUM IS SUSCEPTIBLE TO SORGHUM MIDGE AND MUST BE SCOUTED FOR POSSIBLE TREATMENT.

(2) DO NOT USE BICEP II MANGUM, DUAL II MANGUM OR GUARDSMAN MAX PRE UNLESS YOU PLANT SEED THAT HAS BEEN SAFENED WITH CONCEP OR SCREEN. DO NOT USE LARIAT, BULLET OR LASSO PRE UNLESS YOU PLANT SEED THAT HS BEEN SAFENED WITH A SEED SAFENER CONTAINING THE ACTIVE INGREDIENT FLURAZOLE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

GRAIN SORGHUM - NO TILLAGE, 90 BUSHEL YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
APR-MAY	PLANT	PLANTER, 12-ROW	0.06	0.08
	BURNDOWN/PRE-EMERGE	SP BOOM SPRAYER, 90'	0.01	0.01
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
SEP-OCT	HARVEST	COMBINE, 8-ROW HD.	0.14	0.17
	HAUL, IN FIELD	GRAIN CART	0.14	0.17
	HAUL	SEMI TRACTOR/TRAILER	0.14	0.17
			TOTAL	0.69

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.26	$7.55	$2.00	$14.12	$40.86	$3.74	$3.69	$7.12	$10.81
COMBINE	0.14	$28.00	$3.83	$90.06	$64.73	$12.32	$5.11	$3.75	$8.86
CORN HEAD	0.14	$5.25	$0.72	$32.74	$21.00	$4.48	$2.87	$0.00	$2.87
SEMI T/T	0.14	$4.20	$0.57	$11.57	$17.47	$1.58	$0.96	$1.43	$2.39
PLANTER	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
SPRAYER	0.01	$45.00	$0.46	$97.09	$83.37	$0.99	$0.60	$0.25	$0.85
SPRAYER	0.14	$2.85	$0.39	$9.25	$4.75	$1.27	$0.65	$0.00	$0.65
TOTAL			$9.11			$26.95	$15.77	$12.55	$28.33

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	$3.40	57.6
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$3.40	70.2

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	90	$2.18
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	90	$2.65

SOYBEANS - ROUNDUP READY, NO TILLAGE, 40 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
SOYBEANS	BEANS	BU.	40	$9.25	$370.00	
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	40	-$0.046	-$1.85	_____
VARIABLE EXPENSES (1)						
SEED (2)	6-8 PLANTS/FT.	LB.	50	$0.87	$43.45	_____
SEED TREATMENT	INSECTICIDE & FUNGICIDE	AC.	1	$14.00	$14.00	_____
FERTILIZER	P2O5	LB.	20	$0.52	$10.40	_____
	K2O	LB.	40	$0.44	$17.60	_____
LIME	2 TONS EVERY 4 YEARS	TON	0.5	$34.50	$17.25	_____
WEED CONTROL(3) (4)						
BURNDOWN (5) (6)	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
BURNDOWN	CLARITY	OZ.	8	$0.70	$5.60	_____
PRE-EMERGE	VALOR	OZ.	2	$4.75	$9.50	_____
POST-EMERGE	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
POST-EMERGE	FLEXSTAR GT	PT.	3	$7.13	$21.39	_____
INSECTICIDE		AC.	1	$5.01	$5.01	_____
FUNGICIDE		AC.	1	$16.19	$16.19	_____
MACHINERY REPAIR		AC.	1	$15.80	$15.80	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$12.68	$12.68	_____
OPERATING CAPITAL	6 MONTHS	AC.	$200.96	6.00%	$6.03	_____
			TOTAL VARIABLE EXPENSES		$206.99	_____
			RETURN ABOVE VARIABLE EXPENSES		$161.16	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$26.87	$26.87	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$9.98	$9.98	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$124.31	_____
LABOR EXPENSES						
LABOR		HR.	0.69	$9.75	$6.68	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$117.63	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) ASSUMES NORMAL CROP ROTATION WITH MINIMUM WEED INFESTATION. A CONTINUOUS SOYBEAN SYSTEM MAY REQUIRE ADDITIONAL EXPENSES FOR CHEMICALS OR LAND PREPARATION.

(2) SEED PRICE INCLUDES TECHNOLOGY FEE.

(3) WEED CONTROL CHEMICALS SHOULD BE SELECTED FOR SPECIFIC WEED OR GRASS PROBLEMS WHICH ARE PRESENT.

(4) THE ADDITION OF DICAMBA @ 8 OZ./ACRE IS NECESSARY TO MANAGE GLYPHOSATE RESISTANT HORSEWEED. THIS ADDS AN ADDITIONAL $5.50/ACRE TO THE BURNDOWN SPRAY COST.

(5) FOR AN ALTERNATE CONTROL, USE GRAMOXONE INTEON AT 1.25 QUARTS/ACRE PLUS A SURFACTANT.

(6) SEVERAL OTHER VERSIONS OF GLYPHOSATE, THE ACTIVE INGREDIENT IN ROUNDUP ORIGINAL MAX ARE AVAILABLE. CHECK LABEL FOR CONCENTRATION, RATES, AND REGISTRATION ON ROUNDUP READY SOYBEANS.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
ANGELA THOMPSON, EXTENSION CORN AND SOYBEANS SPECIALIST

SOYBEANS - ROUNDUP READY, NO TILLAGE, 40 BUSHEL YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
MAY-JUN	PLANT	PLANTER, 12-ROW	0.06	0.08
	SPRAY 5X	SP BOOM SPRAYER, 90'	0.05	0.06
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
SEP-OCT	HARVEST	COMBINE, 25' HEADER	0.12	0.15
	HAUL, IN FIELD	GRAIN CART	0.12	0.15
	HAUL	SEMI TRACTOR/TRAILER	0.12	0.15
			TOTAL	0.69

Note: The 5 sprays include 4 herbicide sprays and 1 fungicide/insecticide spray.

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.25	$7.55	$1.89	$14.12	$40.86	$3.54	$3.50	$6.75	$10.25
COMBINE	0.12	$28.00	$3.45	$90.06	$64.73	$11.09	$4.60	$3.37	$7.97
GRAIN HEAD	0.12	$2.80	$0.34	$17.51	$11.20	$2.16	$1.38	$0.00	$1.38
SEMI T/T	0.12	$4.20	$0.52	$11.57	$17.47	$1.42	$0.86	$1.29	$2.15
PLANTER	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
SPRAYER	0.05	$45.00	$2.29	$97.09	$83.37	$4.94	$2.98	$1.27	$4.25
GRAIN CART	0.12	$2.85	$0.35	$9.25	$4.75	$1.14	$0.58	$0.00	$0.58
TOTAL			$9.98			$26.87	$15.80	$12.68	$28.48

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	$9.20	22.5
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$9.20	27.2

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	40	$5.17
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	40	$6.26

WHEAT CONVENTIONAL TILLAGE, 60 BUSHEL YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
WHEAT(1)	GRAIN	BU.	60	$4.60	$276.00	_____
VARIABLE EXPENSES						
SEED	TREATED/FUNGICIDE	BU.	2	$13.20	$26.40	_____
SEED TREATMENT (2)	INSECTICIDE	AC.	1	$9.82	$9.82	_____
FERTILIZER	N (AN)	LB.	80	$0.48	$38.40	_____
	P2O5	LB.	40	$0.52	$20.80	_____
	K2O	LB.	20	$0.44	$8.80	_____
LIME	LIME APPLICATION	TON	0.5	$34.50	$17.25	_____
HERBICIDE	HARMONY EXTRA	OZ.	0.5	$12.05	$6.03	_____
	OSPREY	OZ.	2.75	$3.35	$9.21	_____
	SURFACTANT (80% Act.)	PT.	0.1	$1.91	$0.19	_____
FUNGICIDE (3)	FOLIAR FUNGICIDE	AC.	1	$16.00	$16.00	_____
MACHINERY REPAIR		AC.	1	$20.28	$20.28	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$19.85	$19.85	_____
OPERATING CAPITAL	8 MONTHS	AC.	$193.03	6.00%	$7.72	_____
				TOTAL VARIABLE EXPENSES	$200.75	_____
				RETURN ABOVE VARIABLE EXPENSES	$75.25	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$31.63	$31.63	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$12.45	$12.45	_____
				RETURN TO LAND, LABOR, MANAGEMENT, AND RISK	$31.18	_____
LABOR EXPENSES						
LABOR		HR.	1.02	$9.75	$9.90	_____
				RETURN TO LAND, MANAGEMENT, AND RISK	$21.28	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) IF A MARKET FOR STRAW IS AVAILABLE, ADD AN APPROPRIATE AMOUNT TO RETURN TO LAND, MANAGEMENT, AND RISK, BASED ON THE EXPECTED YIELD AND PRICE OF THE STRAW, LESS HARVEST AND MARKETING COSTS.

(2) ADDITIONAL SEED TREATMENT IS TO PROTECT AGAINST BARLEY YELLOW DWARF VIRUS.

(3) COST MAY VARY DEPENDING ON FUNGICIDE USED AND APPLICATION RATE PER ACRE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
CHRIS MAIN, EXTENSION COTTON AND WHEAT SPECIALIST

WHEAT CONVENTIONAL TILLAGE, 60 BUSHEL YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
OCT-NOV	CHISEL	CHISEL PLOW, 21'	0.09	0.12
	DISK & HARROW	TANDEM DISK, 29'	0.06	0.07
	CULTIMULCH	DO-ALL, 30'	0.09	0.11
	PLANT	GRAIN DRILL, 21 x 7"	0.11	0.14
MAR-APR	SPRAY FUNGICIDE	SP BOOM SPRAYER, 90'	0.01	0.01
	SPRAY HERBICIDE	SP BOOM SPRAYER, 90'	0.01	0.01
	SPREAD FERTILIZER	215HP TRACTOR	0.07	0.08
MAY-JUN	HARVEST	COMBINE, 25' HEADER	0.12	0.15
	HAUL, IN FIELD	GRAIN CART	0.12	0.15
	HAUL	SEMI TRACTOR/TRAILER	0.12	0.15
			TOTAL	1.02

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.55	$7.55	$4.12	$14.12	$40.86	$7.71	$7.62	$14.68	$22.30
COMBINE	0.12	$28.00	$3.45	$90.06	$64.73	$11.09	$4.60	$3.37	$7.97
GRAIN HEADER	0.12	$2.80	$0.34	$17.51	$11.20	$2.16	$1.38	$0.00	$1.38
SEMI T/T	0.12	$4.20	$0.52	$11.57	$17.47	$1.42	$0.86	$1.29	$2.15
CHISEL PLOW	0.09	$4.06	$0.38	$8.99	$6.75	$0.83	$0.62	$0.00	$0.62
DISK	0.06	$7.56	$0.45	$16.89	$10.05	$1.00	$0.60	$0.00	$0.60
GRAIN DRILL	0.11	$12.75	$1.43	$28.32	$21.25	$3.18	$2.39	$0.00	$2.39
SPRAYER	0.02	$45.00	$0.92	$97.09	$83.37	$1.98	$1.19	$0.51	$1.70
DO-ALL	0.09	$5.41	$0.50	$12.23	$4.80	$1.12	$0.44	$0.00	$0.44
GRAIN CART	0.12	$2.85	$0.35	$9.25	$4.75	$1.14	$0.58	$0.00	$0.58
TOTAL			$12.45			$31.63	$20.28	$19.85	$40.13

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/BU	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/BU OF.....	$4.60	43.6
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$4.60	55.4

	YIELD/AC	BREAKEVEN PRICE/BU
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	60	$3.35
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	60	$4.25

WHEAT - ROUNDUP READY SOYBEANS, NO-TILLAGE

ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
WHEAT	GRAIN	BU.	60	$4.60	$276.00	_____
SOYBEANS	BEANS	BU.	30	$9.25	$277.50	_____
REVENUE ADJUSTMENT	SPARC ASSESSMENT	BU.	30	-$0.046	-$1.39	_____
			TOTAL REVENUE		$552.11	
VARIABLE EXPENSES (1)						
SEED, WHEAT	TREATED/FUNGICIDE	BU.	2	$13.20	$26.40	_____
SEED TREATMENT (2)	INSECTICIDE	AC.	1	$9.82	$9.82	_____
SEED, SOYBEANS (3)	SOYBEANS	LB.	50	$0.87	$43.45	_____
SEED TREATMENT	FUNGICIDE	AC.	1	$3.37	$3.37	_____
FERTILIZER	N (AN)	LB.	80	$0.48	$38.40	_____
	P2O5	LB.	60	$0.52	$31.20	_____
	K2O	LB.	60	$0.44	$26.40	_____
LIME	2 TONS EVERY 4 YEARS	TON	0.5	$34.50	$17.25	_____
FUNGICIDE - SOYBEANS		AC.	1	$16.19	$16.19	_____
INSECTICIDE - SOYBEANS		AC.	1	$5.01	$5.01	_____
WEED CONTROL (4)						
PRE-EMERGE	VALOR	OZ.	2	$4.75	$9.50	_____
POST-EMERGE	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
POST-EMERGE	FLEXSTAR GT	PT.	3	$7.13	$21.39	_____
HERBICIDE-WHEAT	HARMONY EXTRA	OZ.	0.5	$12.05	$6.03	_____
	OSPREY	OZ.	2.75	$3.35	$9.21	_____
	SURFACTANT (80% Act.)	PT.	0.1	$1.91	$0.19	_____
FUNGICIDE-WHEAT (5)	FOLIAR FUNGICIDE	AC.	1	$16.00	$16.00	_____
MACHINERY REPAIR		AC.	1	$34.22	$34.22	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$30.54	$30.54	_____
OPERATING CAPITAL	8 MONTHS	AC.	$350.61	6.00%	$14.02	_____
			TOTAL VARIABLE EXPENSES		$364.63	_____
			RETURN ABOVE VARIABLE EXPENSES		$187.48	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$55.95	$55.95	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$21.19	$21.19	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$110.34	_____
LABOR EXPENSES						
LABOR		HR.	1.61	$9.75	$15.66	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$94.68	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) SPRAYING FOR STINKBUGS MAY ADD $2.50/ACRE PER SPRAYING PLUS APPLICATION EXPENSES.

(2) ADDITIONAL SEED TREATMENT IS TO PROTECT AGAINST BARLEY YELLOW DWARF VIRUS.

(3) SEED PRICE INCLUDES TECHNOLOGY FEE.

(4) SEVERAL OTHER VERSIONS OF GLYPHOSATE, THE ACTIVE INGREDIENT IN ROUNDUP POWER MAX ARE AVAILABLE. CHECK LABEL FOR CONCENTRATION, RATES, AND REGISTRATION ON ROUNDUP READY SOYBEANS.

(5) COST MAY VARY DEPENDING ON FUNGICIDE USED AND APPLICATION RATE PER ACRE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
JIMMY C. CASTELLAW, AREA SPECIALIST, FARM MANAGEMENT
CHRIS MAIN, EXTENSION COTTON AND WHEAT SPECIALIST

WHEAT - ROUNDUP READY SOYBEANS, NO-TILLAGE

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
SEPT-OCT	CHISEL	CHISEL PLOW, 21'	0.09	0.12
	DISK	TANDEM DISK, 29'	0.06	0.07
	CULTIMULCH	CULTIMULCHER, 20'	0.10	0.13
NOV-DEC	PLANT	GRAIN DRILL, 21 x 7"	0.11	0.14
JAN-FEB	TOPDRESS	SPREADER, 900#	0.07	0.08
MAR-APR	SPRAY FUNGICIDE	SP BOOM SPRAYER, 90'	0.01	0.01
	SPRAY HERBICIDE	SP BOOM SPRAYER, 90'	0.01	0.01
MAY-JUN	HARVEST	COMBINE, 25' HEADER	0.12	0.15
	HAUL, IN FIELD	GRAIN CART	0.12	0.15
	HAUL	SEMI TRACTOR/TRAILER	0.12	0.15
	PLANT	PLANTER, 12 ROW	0.06	0.08
	SPRAY HERBICIDE	SP BOOM SPRAYER, 90'	0.01	0.01
JUL-AUG	SPRAY HERBICIDE 2X	SP BOOM SPRAYER, 90'	0.02	0.03
SEP-NOV	HARVEST	COMBINE, 25' HEADER	0.12	0.15
	HAUL, IN FIELD	GRAIN CART	0.12	0.15
	HAUL	SEMI TRACTOR/TRAILER	0.12	0.15
			TOTAL	1.61

MACHINE	HOURS PER ACRE	-----INTEREST COST----- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.74	$7.55	$5.59	$14.12	$40.86	$10.47	$10.35	$19.95	$30.30
COMBINE	0.25	$28.00	$6.90	$90.06	$64.73	$22.18	$9.19	$6.75	$15.94
GRAIN HEADER	0.25	$2.80	$0.69	$17.51	$11.20	$4.31	$2.76	$0.00	$2.76
SEMI T/T	0.25	$4.20	$1.03	$11.57	$17.47	$2.85	$1.72	$2.58	$4.30
CHISEL PLOW	0.09	$4.06	$0.38	$8.99	$6.75	$0.83	$0.62	$0.00	$0.62
DISK	0.06	$7.56	$0.45	$16.89	$10.05	$1.00	$0.60	$0.00	$0.60
CULTIMULCHER	0.10	$5.41	$0.56	$12.28	$4.80	$1.27	$0.50	$0.00	$0.50
PLANTER	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
SP SPRAYER	0.05	$45.00	$2.29	$97.09	$83.37	$4.94	$2.98	$1.27	$4.25
GRAIN DRILL	0.11	$12.75	$1.43	$28.32	$21.25	$3.18	$2.39	$0.00	$2.39
SPREADER	0.07	$0.50	$0.03	$0.94	$0.67	$0.06	$0.04	$0.00	$0.04
GRAIN CART	0.25	$2.85	$0.70	$9.25	$4.75	$2.28	$1.17	$0.00	$1.17
TOTAL			$21.19			$55.95	$34.22	$30.54	$64.76

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

COTTON, ROUNDUP READY FLEX - CONVENTIONAL TILLAGE, 850 POUND YIELD

ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
COTTON(1)(2)(7)	LINT	LB.	850	$0.69	$586.50	_____
VARIABLE EXPENSES						
SEED (3)	3.5 SEEDS/FOOT	THOUS	48.145	$0.60	$28.89	_____
TECH FEE (4)	RR FLEX	THOUS	48.145	$0.84	$40.44	_____
FUNGICIDE	SEED TREATMENT	ACRE	1	$7.00	$7.00	_____
INSECTICIDE(5)						
SEED TREATMENT		ACRE	1	$10.50	$10.50	_____
IN-SEASON INSECTICIDES(6):		ACRE	1	$35.00	$35.00	_____
FERTILIZER	N (UREA)	LB.	80	$0.48	$38.40	_____
	P2O5	LB.	60	$0.52	$31.20	_____
	K2O	LB.	90	$0.44	$39.60	_____
BORON		LB.	0.5	$3.85	$1.93	_____
LIME		TON	0.5	$34.50	$17.25	_____
HERBICIDES:						
PRE-EMERGE	COTORAN 4L	PT.	2	$5.18	$10.36	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
OVER THE TOP	DUAL MAGNUM	PT.	1	$13.42	$13.42	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
GROWTH REGULATOR	MEPEX (Mepiquat Chloride)	PT.	2	$2.38	$4.76	_____
SCOUTING		ACRE	1	$8.00	$8.00	_____
DEFOLIANT		OZ.	12	$0.45	$5.40	_____
BOLL OPENER	ETHEPHON	OZ.	32	$0.22	$7.04	_____
MACHINERY REPAIR		AC.	1	$43.33	$43.33	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$38.05	$38.05	_____
OPERATING CAPITAL	6 MONTHS	AC.	$398.70	6.00%	$11.96	_____
			TOTAL VARIABLE EXPENSES		$410.66	_____
			RETURN ABOVE VARIABLE EXPENSES		$175.84	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$54.23	$54.23	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$23.29	$23.29	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$98.32	_____
LABOR EXPENSES						
LABOR		HR.	1.76	$9.75	$17.20	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$81.12	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.

(2) A SECOND HARVEST MAY ADD AS MUCH AS $25/ACRE TO VARIABLE EXPENSES.

(3) SEED COST VARIES PER VARIETY AND SEED SIZE.

(4) TECH FEES HAD NOT BEEN SET AT TIME OF PRINTING AND ARE ESTIMATES.

(5) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.

(6) IN-SEASON PER ACRE COST INCLUDES BOLL WEEVIL ERADICATION FEES AND CHEMICAL EXPENSES FOR CONTROL OF PLANT BUGS, BOLLWORM AND OTHER INSECT PESTS.

(7) COTTON PRICE ESTIMATE INCLUDES THE LOAN RATE PLUS AN ESTIMATED LOAN EQUITY PAYMENT AND SEED AND HAULING ALLOWANCE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
SAMUEL C. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT
CHRIS MAIN, EXTENSION COTTON AND WHEAT SPECIALIST

COTTON, ROUNDUP READY FLEX - CONVENTIONAL TILLAGE, 850 POUND YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
NOV-DEC	CHOP STALKS	ROTARY MOWER	0.10	0.12
MAR-APR	CHISEL	CHISEL PLOW, 19'	0.10	0.13
	DISK	DISK, 30'	0.06	0.07
APR-MAY	DISK	DISK, 30'	0.06	0.07
	PREPARE SEEDBED	CULTIMULCHER, 30'	0.09	0.11
	SPREAD FERTILIZER	215 HP TRACTOR	0.07	0.08
	PLANT	PLANTER, 12 ROW	0.06	0.08
	APPLY COTORAN PRE-EMERGE	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP/DUAL OVER TOP	SP BOOM SPRAYER, 90'	0.01	0.01
MAY-JUN	CULTIVATE	CULTIVATOR, 12 ROW	0.07	0.09
	CULTIVATE	CULTIVATOR, 12 ROW	0.07	0.09
JUL-AUG	BOLLWORM SPRAY	SP BOOM SPRAYER, 90'	0.01	0.01
	CULTIVATE	CULTIVATOR, 12 ROW	0.07	0.09
	APPLY ROUNDUP OVER THE TOP	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP OVER THE TOP	SP BOOM SPRAYER, 90'	0.01	0.01
	SECONDARY SPRAY	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY MEPEX (2X)	SP BOOM SPRAYER, 90'	0.02	0.03
	APPLY DEFOLIANT/BOLL OPENER	SP BOOM SPRAYER, 90'	0.01	0.01
SEP-DEC	HARVEST	SP PICKER, 6 ROW	0.14	0.18
	HAUL-BOLL BUGGY	215 HP TRACTOR	0.14	0.18
	MODULE BUILDER	150 HP TRACTOR (2X)	0.29	0.36
			TOTAL	1.76

MACHINE	HOURS PER ACRE	--------INTEREST COST-------- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.89	$7.55	$6.68	$14.12	$40.86	$12.50	$12.36	$23.82	$36.18
TRACTOR, 150HP	0.14	$5.97	$0.86	$11.17	$30.72	$1.62	$1.60	$2.85	$4.45
TRACTOR, 150HP	0.14	$5.97	$0.86	$11.17	$30.72	$1.62	$1.60	$2.85	$4.45
PICKER, 6 ROW	0.14	$35.00	$5.07	$112.28	$136.58	$16.25	$13.51	$6.26	$19.77
BOLL BUGGY	0.14	$2.50	$0.36	$8.13	$4.17	$1.18	$0.60	$0.00	$0.60
MODULE BUILDER	0.14	$3.00	$0.43	$9.81	$5.00	$1.42	$0.72	$0.00	$0.72
MODULE BUILDER	0.14	$3.00	$0.43	$9.81	$5.00	$1.42	$0.72	$0.00	$0.72
CHISEL PLOW	0.10	$3.38	$0.35	$7.50	$5.63	$0.77	$0.57	$0.00	$0.57
DISK	0.11	$8.63	$0.99	$19.25	$11.48	$2.21	$1.31	$0.00	$1.31
SP SPRAYER	0.09	$45.00	$4.13	$97.09	$83.37	$8.90	$5.36	$2.28	$7.64
PLANTER, 12 ROW	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
CULTIVATOR	0.21	$4.06	$0.84	$9.28	$7.20	$1.91	$1.49	$0.00	$1.49
CULTIMULCHER	0.09	$5.41	$0.50	$12.23	$4.80	$1.12	$0.44	$0.00	$0.44
MOWER	0.10	$6.63	$0.65	$7.64	$11.59	$0.75	$1.14	$0.00	$1.14
TOTAL			$23.29			$54.23	$43.33	$38.05	$81.38

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/LB	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/LB OF.....	$0.69	595.2
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$0.69	732.4

	YIELD/AC	BREAKEVEN PRICE/LB
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	850	$0.48
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	850	$0.59

COTTON, BG II or WIDESTRIKE RR FLEX- CONVENTIONAL TILLAGE, 850 POUND YIELD

ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
COTTON(1)(2)(7)	LINT	LB.	850	$0.69	$586.50	_____
VARIABLE EXPENSES						
SEED (3)	3.5 SEEDS/FOOT	THOUS	48.145	$0.60	$28.89	_____
TECH FEE (4)	BG II or WIDESTRIKE RR FLEX	THOUS	48.145	$1.20	$57.77	_____
FUNGICIDE	SEED TREATMENT	ACRE	1	$7.00	$7.00	_____
INSECTICIDE(5)						
SEED TREATMENT		ACRE	1	$10.50	$10.50	_____
IN-SEASON INSECTICIDES(6):		ACRE	1	$25.00	$25.00	_____
FERTILIZER	N (UREA)	LB.	80	$0.48	$38.40	_____
	P2O5	LB.	60	$0.52	$31.20	_____
	K2O	LB.	90	$0.44	$39.60	_____
BORON		LB.	0.5	$3.85	$1.93	_____
LIME		TON	0.5	$34.50	$17.25	_____
HERBICIDES:						
PRE-EMERGE	COTORAN 4L	PT.	2	$5.18	$10.36	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
OVER THE TOP	DUAL MAGNUM	PT.	1	$13.42	$13.42	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
GROWTH REGULATOR	MEPEX (Mepiquat Chloride)	PT.	2	$2.38	$4.76	_____
SCOUTING		ACRE	1	$8.00	$8.00	_____
DEFOLIANT		OZ.	12	$0.45	$5.40	_____
BOLL OPENER	ETHEPHON	OZ.	32	$0.22	$7.04	_____
MACHINERY REPAIR		AC.	1	$38.37	$38.37	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$32.25	$32.25	_____
OPERATING CAPITAL	6 MONTHS	AC.	$395.27	6.00%	$11.86	_____
			TOTAL VARIABLE EXPENSES		$407.13	_____
			RETURN ABOVE VARIABLE EXPENSES		$179.37	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$48.42	$48.42	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$20.43	$20.43	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$110.52	_____
LABOR EXPENSES						
LABOR		HR.	1.49	$9.75	$14.56	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$95.96	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.

(2) A SECOND HARVEST MAY ADD AS MUCH AS $25/ACRE TO VARIABLE EXPENSES.

(3) SEED COST VARIES PER VARIETY AND SEED SIZE.

(4) TECH FEES HAD NOT BEEN SET AT TIME OF PRINTING AND ARE ESTIMATES.

(5) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.

(6) IN-SEASON PER ACRE COST INCLUDES BOLL WEEVIL ERADICATION FEES AND CHEMICAL EXPENSES FOR CONTROL OF PLANT BUGS, BOLLWORM AND OTHER INSECT PESTS.

(7) COTTON PRICE ESTIMATE INCLUDES THE LOAN RATE PLUS AN ESTIMATED LOAN EQUITY PAYMENT AND SEED AND HAULING ALLOWANCE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
SAMUEL C. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT
CHRIS MAIN, EXTENSION COTTON AND WHEAT SPECIALIST

COTTON, BG II or WIDESTRIKE RR FLEX- CONVENTIONAL TILLAGE, 850 POUND YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
NOV-DEC	CHOP STALKS	ROTARY MOWER	0.10	0.12
MAR-APR	CHISEL	CHISEL PLOW, 19'	0.10	0.13
	DISK	DISK, 30'	0.06	0.07
APR-MAY	DISK	DISK, 30'	0.06	0.07
	PREPARE SEEDBED	CULTIMULCHER, 30'	0.09	0.11
	SPREAD FERTILIZER	215 HP TRACTOR	0.07	0.08
	PLANT	PLANTER, 12 ROW	0.06	0.08
	APPLY COTORAN PRE-EMERGE	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP/DUAL OVER TOP	SP BOOM SPRAYER, 90'	0.01	0.01
JUL-AUG	APPLY ROUNDUP OVER THE TOP	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP OVER THE TOP	SP BOOM SPRAYER, 90'	0.01	0.01
	SECONDARY SPRAY	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY MEPEX (2X)	SP BOOM SPRAYER, 90'	0.02	0.03
	APPLY DEFOLIANT/BOLL OPENER	SP BOOM SPRAYER, 90'	0.01	0.01
SEP-DEC	HARVEST	SP PICKER, 6 ROW	0.14	0.18
	HAUL-BOLL BUGGY	215 HP TRACTOR	0.14	0.18
	MODULE BUILDER	150 HP TRACTOR (2X)	0.29	0.36
			TOTAL	1.49

MACHINE	HOURS PER ACRE	--------INTEREST COST-------- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.68	$7.55	$5.12	$14.12	$40.86	$9.59	$9.48	$18.27	$27.75
TRACTOR, 150HP	0.14	$5.97	$0.86	$11.17	$30.72	$1.62	$1.60	$2.85	$4.45
TRACTOR, 150HP	0.14	$5.97	$0.86	$11.17	$30.72	$1.62	$1.60	$2.85	$4.45
PICKER, 6 ROW	0.14	$35.00	$5.07	$112.28	$136.58	$16.25	$13.51	$6.26	$19.77
BOLL BUGGY	0.14	$2.50	$0.36	$8.13	$4.17	$1.18	$0.60	$0.00	$0.60
MODULE BUILDER	0.14	$3.00	$0.43	$9.81	$5.00	$1.42	$0.72	$0.00	$0.72
MODULE BUILDER	0.14	$3.00	$0.43	$9.81	$5.00	$1.42	$0.72	$0.00	$0.72
CHISEL PLOW	0.10	$3.38	$0.35	$7.50	$5.63	$0.77	$0.57	$0.00	$0.57
DISK	0.11	$8.63	$0.99	$19.25	$11.48	$2.21	$1.31	$0.00	$1.31
SP SPRAYER	0.08	$45.00	$3.67	$97.09	$83.37	$7.91	$4.77	$2.03	$6.79
PLANTER, 12 ROW	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
CULTIMULCHER	0.09	$5.41	$0.50	$12.23	$4.80	$1.12	$0.44	$0.00	$0.44
MOWER	0.10	$6.63	$0.65	$7.64	$11.59	$0.75	$1.14	$0.00	$1.14
TOTAL			$20.43			$48.42	$38.37	$32.25	$70.62

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/LB	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/LB OF.....	$0.69	590.0
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$0.69	710.9

	YIELD/AC	BREAKEVEN PRICE/LB
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	850	$0.48
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	850	$0.58

COTTON, ROUNDUP READY FLEX - NO TILLAGE, 850 POUND YIELD
ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
COTTON(1)(2)(7)	LINT	LB.	850	$0.69	$586.50	_____
VARIABLE EXPENSES						
SEED (3)	3.5 SEEDS/FOOT	THOUS	48.145	$0.60	$28.89	_____
TECH FEE (4)	RR FLEX	THOUS	48.145	$0.84	$40.44	_____
FUNGICIDE	SEED TREATMENT	ACRE	1	$7.00	$7.00	_____
INSECTICIDE(5)						
SEED TREATMENT		ACRE	1	$10.50	$10.50	_____
IN-SEASON INSECTICIDES(6):		ACRE	1	$35.00	$35.00	_____
FERTILIZER	N (UREA)	LB.	80	$0.48	$38.40	_____
	P2O5	LB.	60	$0.52	$31.20	_____
	K2O	LB.	90	$0.44	$39.60	_____
BORON		LB.	0.5	$3.85	$1.93	_____
LIME		TON	0.5	$34.50	$17.25	_____
HERBICIDES:						
BURNDOWN	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
BURNDOWN	CLARITY	OZ.	8	$0.70	$5.60	_____
PRE-EMERGE	COTORAN 4L	PT.	2	$5.18	$10.36	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
OVER THE TOP	DUAL MAGNUM	PT.	1	$13.42	$13.42	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
GROWTH REGULATOR	MEPEX (Mepiquat Chloride)	PT.	2	$2.38	$4.76	_____
SCOUTING		ACRE	1	$8.00	$8.00	_____
DEFOLIANT		OZ.	12	$0.45	$5.40	_____
BOLL OPENER	ETHEPHON	OZ.	32	$0.22	$7.04	_____
MACHINERY REPAIR		AC.	1	$32.92	$32.92	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$24.46	$24.46	_____
OPERATING CAPITAL	6 MONTHS	AC.	$386.35	6.00%	$11.59	_____
			TOTAL VARIABLE EXPENSES		$397.94	_____
			RETURN ABOVE VARIABLE EXPENSES		$188.56	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$41.95	$41.95	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$17.19	$17.19	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$129.42	_____
LABOR EXPENSES						
LABOR		HR.	1.13	$9.75	$11.05	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$118.37	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.

(2) A SECOND HARVEST MAY ADD AS MUCH AS $25/ACRE TO VARIABLE EXPENSES.

(3) SEED COST VARIES PER VARIETY AND SEED SIZE.

(4) TECH FEES HAD NOT BEEN SET AT TIME OF PRINTING AND ARE ESTIMATES.

(5) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.

(6) IN-SEASON PER ACRE COST INCLUDES BOLL WEEVIL ERADICATION FEES AND CHEMICAL EXPENSES FOR CONTROL OF PLANT BUGS, BOLLWORM AND OTHER INSECT PESTS.

(7) COTTON PRICE ESTIMATE INCLUDES THE LOAN RATE PLUS AN ESTIMATED LOAN EQUITY PAYMENT AND SEED AND HAULING ALLOWANCE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
SAMUEL C. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT
CHRIS MAIN, EXTENSION COTTON AND WHEAT SPECIALIST

COTTON, ROUNDUP READY FLEX - NO TILLAGE, 850 POUND YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
NOV-DEC	CHOP STALKS	ROTARY MOWER	0.10	0.12
APR-MAY	SPRAY, BURNDOWN	SP BOOM SPRAYER, 90'	0.01	0.01
	PLANT	PLANTER, 12 ROW	0.06	0.08
	APPLY COTORAN PRE-EMERGE	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP/DUAL OVER TOP	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP	SP BOOM SPRAYER, 90'	0.01	0.01
	SPREAD FERTILIZER	215 HP TRACTOR	0.07	0.08
MAY-AUG	BOLLWORM SPRAY	SP BOOM SPRAYER, 90'	0.01	0.01
	SECONDARY SPRAY	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY MEPEX (2X)	SP BOOM SPRAYER, 90'	0.02	0.03
	APPLY DEFOLIANT/BOLL OPENER	SP BOOM SPRAYER, 90'	0.01	0.01
SEP-DEC	HARVEST	SP PICKER, 6 ROW	0.14	0.18
	HAUL-BOLL BUGGY	215 HP TRACTOR	0.14	0.18
	MODULE BUILDER	150 HP TRACTOR (2X)	0.29	0.36
			TOTAL	1.13

MACHINE	HOURS PER ACRE	-------INTEREST COST------- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.37	$7.55	$2.80	$14.12	$40.86	$5.24	$5.17	$9.97	$15.15
TRACTOR, 150HP	0.14	$5.97	$0.86	$11.17	$30.72	$1.62	$1.60	$2.85	$4.45
TRACTOR, 150HP	0.14	$5.97	$0.86	$11.17	$30.72	$1.62	$1.60	$2.85	$4.45
PICKER, 6 ROW	0.14	$35.00	$5.07	$112.28	$136.58	$16.25	$13.51	$6.26	$19.77
BOLL BUGGY	0.14	$2.50	$0.36	$8.13	$4.17	$1.18	$0.60	$0.00	$0.60
MODULE BUILDER	0.14	$3.00	$0.43	$9.81	$5.00	$1.42	$0.72	$0.00	$0.72
MODULE BUILDER	0.14	$3.00	$0.43	$9.81	$5.00	$1.42	$0.72	$0.00	$0.72
SP SPRAYER	0.10	$45.00	$4.58	$97.09	$83.37	$9.89	$5.96	$2.53	$8.49
PLANTER, 12 ROW	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
MOWER	0.10	$6.63	$0.65	$7.64	$11.59	$0.75	$1.14	$0.00	$1.14
TOTAL			$17.19			$41.95	$32.92	$24.46	$57.39

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/LB	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/LB OF.....	$0.69	576.7
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$0.69	678.4

	YIELD/AC	BREAKEVEN PRICE/LB
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	850	$0.47
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	850	$0.55

COTTON, BG II or WIDESTRIKE RR FLEX - NO TILLAGE, 850 POUND YIELD

ESTIMATED RETURNS AND EXPENSES PER ACRE, (12/16ROW EQUIPMENT)

ITEM	DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT	YOUR FARM
REVENUE						
COTTON(1)(2)(7)	LINT	LB.	850	$0.69	$586.50	_____
VARIABLE EXPENSES						
SEED (3)	3.5 SEEDS/FOOT	THOUS	48.145	$0.60	$28.89	_____
TECH FEE (4)	BG II or WIDESTRIKE RR FLEX	THOUS	48.145	$1.20	$57.77	_____
FUNGICIDE	SEED TREATMENT	ACRE	1	$7.00	$7.00	_____
INSECTICIDE(5)						
SEED TREATMENT		ACRE	1	$10.50	$10.50	_____
IN-SEASON INSECTICIDES(6):		ACRE	1	$25.00	$25.00	_____
FERTILIZER	N (UREA)	LB.	80	$0.48	$38.40	_____
	P2O5	LB.	60	$0.52	$31.20	_____
	K2O	LB.	90	$0.44	$39.60	_____
BORON		LB.	0.5	$3.85	$1.93	_____
LIME		TON	0.5	$34.50	$17.25	_____
HERBICIDES:						
BURNDOWN	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
BURNDOWN	CLARITY	OZ.	8	$0.70	$5.60	_____
PRE-EMERGE	COTORAN 4L	PT.	2	$5.18	$10.36	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
OVER THE TOP	DUAL MAGNUM	PT.	1	$13.42	$13.42	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
OVER THE TOP	ROUNDUP POWER MAX	PT.	1.38	$4.38	$6.04	_____
GROWTH REGULATOR	MEPEX (Mepiquat Chloride)	PT.	2	$2.38	$4.76	_____
SCOUTING		ACRE	1	$8.00	$8.00	_____
DEFOLIANT		OZ.	12	$0.45	$5.40	_____
BOLL OPENER	ETHEPHON	OZ.	32	$0.22	$7.04	_____
MACHINERY REPAIR		AC.	1	$32.33	$32.33	_____
MACHINERY FUEL	DIESEL @ $2.35/GALLON	AC.	1	$24.21	$24.21	_____
OPERATING CAPITAL	6 MONTHS	AC.	$392.83	6.00%	$11.78	_____
			TOTAL VARIABLE EXPENSES		$404.61	_____
			RETURN ABOVE VARIABLE EXPENSES		$181.89	_____
MACHINERY EXPENSES						
MACHINERY DEPRECIATION		AC.	1	$40.96	$40.96	_____
INTEREST EXPENSE	MACHINERY & EQUIP.	AC.	1	$16.73	$16.73	_____
			RETURN TO LAND, LABOR, MANAGEMENT, AND RISK		$124.19	_____
LABOR EXPENSES						
LABOR		HR.	1.12	$9.75	$10.93	_____
			RETURN TO LAND, MANAGEMENT, AND RISK		$113.27	_____

--- PLEASE NOTE: THE REVENUE ESTIMATE DOES NOT INCLUDE COUNTER CYCLICAL OR DIRECT GOVERNMENT PAYMENTS. ---

FOOTNOTES

(1) MOST ARRANGEMENTS INVOLVE TRADING SEED FOR GINNING COSTS.

(2) A SECOND HARVEST MAY ADD AS MUCH AS $25/ACRE TO VARIABLE EXPENSES.

(3) SEED COST VARIES PER VARIETY AND SEED SIZE.

(4) TECH FEES HAD NOT BEEN SET AT TIME OF PRINTING AND ARE ESTIMATES.

(5) ADDITIONAL SPRAYS MAY BE NECESSARY FOR SPECIFIC INSECTS.

(6) IN-SEASON PER ACRE COST INCLUDES BOLL WEEVIL ERADICATION FEES AND CHEMICAL EXPENSES FOR CONTROL OF PLANT BUGS, BOLLWORM AND OTHER INSECT PESTS.

(7) COTTON PRICE ESTIMATE INCLUDES THE LOAN RATE PLUS AN ESTIMATED LOAN EQUITY PAYMENT AND SEED AND HAULING ALLOWANCE.

ECONOMIC ANALYSIS AND REVIEW PROVIDED BY:
SAMUEL C. DANEHOWER, AREA SPECIALIST, FARM MANAGEMENT
CHRIS MAIN, EXTENSION COTTON AND WHEAT SPECIALIST

COTTON, BG II or WIDESTRIKE RR FLEX - NO TILLAGE, 850 POUND YIELD

ESTIMATED LABOR, POWER AND MACHINERY INPUTS, (12/16-ROW EQUIPMENT)

MONTH	OPERATION	EQUIPMENT	HOURS PER ACRE MACHINE	HOURS PER ACRE LABOR
NOV-DEC	CHOP STALKS	ROTARY MOWER	0.10	0.12
APR-MAY	SPRAY, BURNDOWN	SP BOOM SPRAYER, 90'	0.01	0.01
	PLANT	PLANTER, 12 ROW	0.06	0.08
	APPLY COTORAN PRE-EMERGE	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP/DUAL OVER TOP	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY ROUNDUP	SP BOOM SPRAYER, 90'	0.01	0.01
	SPREAD FERTILIZER	215 HP TRACTOR	0.07	0.08
MAY-AUG	SECONDARY SPRAY	SP BOOM SPRAYER, 90'	0.01	0.01
	APPLY MEPEX (2X)	SP BOOM SPRAYER, 90'	0.02	0.03
	APPLY DEFOLIANT/BOLL OPENER	SP BOOM SPRAYER, 90'	0.01	0.01
SEP-DEC	HARVEST	SP PICKER, 6 ROW	0.14	0.18
	HAUL-BOLL BUGGY	215 HP TRACTOR	0.14	0.18
	MODULE BUILDER	150 HP TRACTOR (2X)	0.29	0.36
			TOTAL	1.12

MACHINE	HOURS PER ACRE	-------INTEREST COST------- PER HOUR	PER ACRE	-COST PER HOUR- F.C.	V.C.	----------COST PER ACRE---------- FIXED	REPAIR	FUEL	VAR
TRACTOR, 215HP	0.37	$7.55	$2.80	$14.12	$40.86	$5.24	$5.17	$9.97	$15.15
TRACTOR, 150HP	0.14	$5.97	$0.86	$11.17	$30.72	$1.62	$1.60	$2.85	$4.45
TRACTOR, 150HP	0.14	$5.97	$0.86	$11.17	$30.72	$1.62	$1.60	$2.85	$4.45
PICKER, 6 ROW	0.14	$35.00	$5.07	$112.28	$136.58	$16.25	$13.51	$6.26	$19.77
BOLL BUGGY	0.14	$2.50	$0.36	$8.13	$4.17	$1.18	$0.60	$0.00	$0.60
MODULE BUILDER	0.14	$3.00	$0.43	$9.81	$5.00	$1.42	$0.72	$0.00	$0.72
MODULE BUILDER	0.14	$3.00	$0.43	$9.81	$5.00	$1.42	$0.72	$0.00	$0.72
SP SPRAYER	0.09	$45.00	$4.13	$97.09	$83.37	$8.90	$5.36	$2.28	$7.64
PLANTER, 12 ROW	0.06	$18.75	$1.14	$42.33	$31.25	$2.57	$1.90	$0.00	$1.90
MOWER	0.10	$6.63	$0.65	$7.64	$11.59	$0.75	$1.14	$0.00	$1.14
TOTAL			$16.73			$40.96	$32.33	$24.21	$56.54

--- PLEASE NOTE: TOTALS MAY BE DIFFERENT DUE TO ROUNDING. ---

BREAKEVEN CALCULATIONS

(BASED ON THE PREVIOUS PAGE'S BUDGET)

	PRICE/LB	BREAKEVEN YIELD/AC
BREAKEVEN YIELD TO COVER VAR EXPENSES AT A PRICE/LB OF.....	$0.69	586.4
BREAKEVEN YIELD TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A PRICE OF.....	$0.69	685.8

	YIELD/AC	BREAKEVEN PRICE/LB
BREAKEVEN PRICE TO COVER VAR EXPENSES AT A YIELD/AC OF.....	850	$0.48
BREAKEVEN PRICE TO COVER ALL EXPENSES EXCEPT FOR LAND, MANAGEMENT AND RISK AT A YIELD OF.....	850	$0.56