

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 Estimated Costs and Returns per Acre
First Crop Rice (Jefferson-Liberty Counties) - 450 Acres
Southeast Extension District - 9

Crop Acres		450		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Rice 1st Crop Loan	55.00	CWT	\$7.00	\$385.00	\$173,250.00
Rice 1st Crop Premium	55.00	CWT	\$5.50	\$302.50	\$136,125.00
Total Revenue				\$687.50	\$309,375.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
Production Costs					
Custom					
Pre-Plant Fertilization	1	Acre	\$9.36	\$9.36	\$4,212.00
Survey Levees	1	Acre	\$6.00	\$6.00	\$2,700.00
Air Herbicide	1	Acre	\$9.00	\$9.00	\$4,050.00
Top Dress Fertilization	330	Pound	\$0.09	\$29.70	\$13,365.00
Air Insecticide	1	Acre	\$9.00	\$9.00	\$4,050.00
Rice Hauling	62.37	CWT	\$0.30	\$18.71	\$8,419.95
Rice Drying	62.37	CWT	\$1.40	\$87.32	\$39,293.10
Commission	55	CWT	\$0.08	\$4.40	\$1,980.00
Fertilizer					
DAP (18-46-0)	100	Pound	\$0.21	\$21.00	\$9,450.00
Potash (0-0-60)	50	Pound	\$0.13	\$6.50	\$2,925.00
Urea (46-0-0)	330	Pound	\$0.15	\$49.50	\$22,275.00
Herbicide					
Propanil	2	Gallon	\$27.75	\$55.50	\$24,975.00
Facet	1	Quart	\$28.23	\$28.23	\$12,703.50
Permit	1	Ounce	\$21.25	\$21.25	\$9,562.50
Insecticide					
Mustang Max	3.2	Ounce	\$1.13	\$3.63	\$1,631.25
Seed					
Seed - Rice	0.7	CWT	\$53.00	\$37.10	\$16,695.00
Fungicides					
Quit XL	17	Ounce	\$1.80	\$30.60	\$13,770.00
Irrigation					
Water Cost	1.00	Acre	\$45.00	\$45.00	\$20,250.00
Machinery Labor					
Tractors/Self-Propelled	3.96	Hour	\$13.75	\$54.45	\$24,502.50
Diesel Fuel					
Tractors/Self-Propelled	14.77	Gallon	\$2.00	\$29.54	\$13,293.00
Gasoline					
Pickup/General Use Equipment	1	Acre	\$1.58	\$1.58	\$712.50
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$1.02	\$1.02	\$459.00
Tractors/Self-Propelled	1	Acre	\$36.19	\$36.19	\$16,284.40
Implements	1	Acre	\$24.48	\$24.48	\$11,015.87
Interest on Credit Line			5.00%	\$7.09	\$3,188.47
Total Variable Costs				\$626.14	\$281,763.04
Planned Returns Above Variable Costs:				\$61.36	\$27,611.96
Breakeven Price to Cover Variable Costs			\$5.88 CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$1.07	\$1.07	\$481.95
Tractors/Self-Propelled	1	Acre	\$33.74	\$33.74	\$15,182.43
Implements	1	Acre	\$31.93	\$31.93	\$14,368.50
Equipment Investment					
Pickup/General Use Equipment	\$7.40	Dollars	5.00%	\$0.37	\$166.39
Tractors/Self-Propelled	\$259.70	Dollars	5.00%	\$12.99	\$5,843.27
Implements	\$148.86	Dollars	5.00%	\$7.44	\$3,349.42
Cash Rent - Rice	1	Acre	\$55.00	\$55.00	\$24,750.00
Total Fixed Costs				\$142.54	\$64,141.96
Total Specified Costs				\$768.68	\$345,905.00
Returns Above Specified Costs				(\$81.18)	(\$36,530.00)
Breakeven Price to Cover Total Costs			\$8.48 CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	41.25	\$7.85	\$11.30
90%	49.50	\$6.54	\$9.42
100%	55.00	\$5.88	\$8.48
110%	60.50	\$5.35	\$7.71
125%	68.75	\$4.71	\$6.78

Developed by Extension Economists, Texas A&M AgriLife Extension Service.

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.