

Projections for Planning Purposes Only -- Not to be Used without Updating
2016 Estimated Costs and Returns per Acre
Rice West of Houston, 1st Crop, Surface Water - 450 Acres
Coastal Bend Extension District - 11

Crop Acres		450		Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Rice 1st Crop Loan	70.00	CWT	\$6.85	\$479.50	\$215,775.00
Rice 1st Crop Premium	70.00	CWT	\$5.65	\$395.50	\$177,975.00
Total Revenue				\$875.00	\$393,750.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Herbicide					
Clomazone	0.1	Gallon	\$150.00	\$15.00	\$6,750.00
Rice PostEmerge Herbicide 1	1	Acre	\$42.00	\$42.00	\$18,900.00
Rice PostEmerge Herbicide 2	7	Ounce	\$2.15	\$15.05	\$6,772.50
Seed					
Rice	0.9	CWT	\$49.00	\$44.10	\$19,845.00
Fertilizer					
17-21-14-4.3S	0.141	Ton	\$444.00	\$62.60	\$28,171.80
33-0-0	0.1	Ton	\$346.00	\$34.60	\$15,570.00
46-0-0	0.075	Ton	\$397.00	\$29.78	\$13,398.75
Custom					
Base Fertilizer	1	Acre	\$6.00	\$6.00	\$2,700.00
Ground Application	1	Acre	\$6.00	\$6.00	\$2,700.00
Survey Levees	1	Acre	\$6.00	\$6.00	\$2,700.00
Pre-Flood Application	1	Acre	\$11.87	\$11.87	\$5,341.50
Aerial Application	4.5	Acre	\$7.80	\$35.10	\$15,795.00
Top Dress	1	Acre	\$9.18	\$9.18	\$4,131.00
Rice Hauling	80.5	CWT	\$0.36	\$28.98	\$13,041.00
Rice Drying	80.5	CWT	\$1.25	\$100.63	\$45,281.25
Miscellaneous					
Crop Insurance -Rice	1	Acre	\$18.00	\$18.00	\$8,100.00
G&A Overhead	1	Acre	\$10.50	\$10.50	\$4,725.00
Pickup Milage Charge - Rice	1	Acre	\$18.50	\$18.50	\$8,325.00
Base Water Charge	1	Acre	\$66.32	\$66.32	\$29,844.00
Butt Up Field	1	Acre	\$4.00	\$4.00	\$1,800.00
Plastic	1	Acre	\$2.50	\$2.50	\$1,125.00
Pipe	1	Acre	\$3.00	\$3.00	\$1,350.00
Check Off	70	CWT	\$0.08	\$5.60	\$2,520.00
Comission	70	CWT	\$0.08	\$5.60	\$2,520.00
Rice Storage	70	CWT	\$0.32	\$22.40	\$10,080.00
Insecticide					
Waterweevil	1.6	Ounce	\$2.50	\$4.00	\$1,800.00
Stinkbug Pyrthyroid Rice	3.2	Ounce	\$2.50	\$8.00	\$3,600.00
Other Chemicals					
Herbicide Surfactant	2.5	Acre	\$2.50	\$6.25	\$2,812.50
Fungicide Surfactant	1	Acre	\$0.75	\$0.75	\$337.50
Fungicides					
Rice Fungicide	1	Acre	\$32.46	\$32.46	\$14,607.00
Irrigation					
Water Cost	2.75	AcreFoot	\$15.80	\$43.45	\$19,552.50
Irrigation Labor	1.57	Hour	\$19.50	\$30.62	\$13,776.75
Machinery Labor					
Tractors/Self-Propelled	1.29	Hour	\$19.50	\$25.16	\$11,319.75
Diesel Fuel					
Tractors/Self-Propelled	12.67	Gallon	\$2.10	\$26.61	\$11,973.15
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$0.01	\$0.01	\$5.33
Tractors/Self-Propelled	1	Acre	\$34.46	\$34.46	\$15,507.00
Implements	1	Acre	\$20.65	\$20.65	\$9,292.75
Interest on Credit Line			4.25%	\$21.53	\$9,688.48
Total Variable Costs				\$857.24	\$385,759.52
Planned Returns Above Variable Costs:				\$17.76	\$7,990.48
Breakeven Price to Cover Variable Costs			\$6.60 CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Enterprise Total
Machinery Depreciation					
Irrigation Equipment	1	Acre	\$0.24	\$0.24	\$106.67
Tractors/Self-Propelled	1	Acre	\$33.78	\$33.78	\$15,200.62
Implements	1	Acre	\$26.28	\$26.28	\$11,824.17
Equipment Investment					
Irrigation Equipment	\$1.78	Dollars	7.00%	\$0.12	\$56.00
Tractors/Self-Propelled	\$259.49	Dollars	7.00%	\$18.16	\$8,174.03
Implements	\$170.03	Dollars	7.00%	\$11.90	\$5,355.95
Management Fee, Owner/Operator Labor	1	Acre	\$43.75	\$43.75	\$19,687.50
Rice - Land Charge	1	Acre	\$130.00	\$130.00	\$58,500.00
Total Fixed Costs				\$264.23	\$118,904.94
Total Specified Costs				\$1,121.48	\$504,664.47
Returns Above Specified Costs				(\$246.48)	(\$110,914.47)
Breakeven Price to Cover Total Costs			\$10.37 CWT		

Example Breakeven Prices			
Example	Example	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	52.50	\$8.80	\$13.83
90%	63.00	\$7.33	\$11.52
100%	70.00	\$6.60	\$10.37
110%	77.00	\$6.00	\$9.43
125%	87.50	\$5.28	\$8.30

Developed by Levi Russell, Assistant Professor and Extension Economist, 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.