

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Rice West of Houston, 1st Crop, Surface Water - 450 Acres
Coastal Bend Extension District - 11

Crop Acres		450				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Rice 1st Crop Loan		70.00	CWT	\$6.85	\$479.50	\$215,775.00
Rice 1st Crop Premium		70.00	CWT	\$5.15	\$360.50	\$162,225.00
Total Revenue					\$840.00	\$378,000.00
VARIABLE COSTS		Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs						
Seed						
Rice		0.9	CWT	\$49.00	\$44.10	\$19,845.00
Fertilizer						
17-21-14-4.3S		0.141	Ton	\$435.00	\$61.34	\$27,600.75
33-0-0		0.1	Ton	\$390.00	\$39.00	\$17,550.00
46-0-0 ton		0.075	Ton	\$460.00	\$34.50	\$15,525.00
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	\$19.00	\$19.00	\$8,550.00
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
Commission		70	CWT	\$0.08	\$5.60	\$2,520.00
Rice Storage		70	CWT	\$0.32	\$22.40	\$10,080.00
Herbicide						
Clomazone		0.1	Gallon	\$135.00	\$13.50	\$6,075.00
Rice PostEmerge Herbicide 1		1	Acre	\$43.43	\$43.43	\$19,543.50
Rice PostEmerge Herbicide 2		7	Ounce	\$1.91	\$13.37	\$6,016.50
Insecticide						
Waterweevil		1.6	Ounce	\$3.20	\$5.12	\$2,304.00
Stinkbug Pyrthyroid Rice		3.2	Ounce	\$3.20	\$10.24	\$4,608.00
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	\$43.56	\$43.56	\$19,602.00
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	\$3.30	\$41.81	\$18,814.95
Repairs & Maintenance						
Irrigation Equipment		1	Acre	\$0.01	\$0.01	\$5.33
Tractors/Self-Propelled		1	Acre	\$22.91	\$22.91	\$10,307.32
Implements		1	Acre	\$18.43	\$18.43	\$8,292.66
Interest on Credit Line				5.00%	\$25.06	\$11,279.14
Total Variable Costs					\$883.77	\$397,696.91
Planned Returns Above Variable Costs:					(\$43.77)	(\$19,696.91)
Breakeven Price to Cover Variable Costs				\$7.48	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	\$23.67	\$23.67	\$10,650.89
Implements		1	Acre	\$23.81	\$23.81	\$10,716.63
Equipment Investment						
Irrigation Equipment		\$3.56	Dollars	7.00%	\$0.25	\$112.00
Tractors/Self-Propelled		\$267.23	Dollars	7.00%	\$18.71	\$8,417.64
Implements		\$238.90	Dollars	7.00%	\$16.72	\$7,525.20
Management Fee, Owner/Operator Labor		1	Acre	\$42.00	\$42.00	\$18,900.00
Rice - Land Charge		1	Acre	\$130.00	\$130.00	\$58,500.00
Total Fixed Costs					\$255.40	\$114,929.04
Total Specified Costs					\$1,139.17	\$512,625.94
Returns Above Specified Costs					(\$299.17)	(\$134,625.94)
Breakeven Price to Cover Total Costs				\$11.12	CWT	

Example Breakeven Prices						
Example Yield Percent	Example Yield CWT	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	52.50	\$9.97	\$9.97	\$14.83	\$14.83	\$0.00
90%	63.00	\$8.31	\$8.31	\$12.36	\$12.36	\$0.00
100%	70.00	\$7.48	\$7.48	\$11.12	\$11.12	\$0.00
110%	77.00	\$6.80	\$6.80	\$10.11	\$10.11	\$0.00
125%	87.50	\$5.98	\$5.98	\$8.90	\$8.90	\$0.00

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.