

**2021 Estimated Costs and Returns per Acre
Rice West of Houston, 1st Crop, Surface Water
Coastal Bend Extension District - 11**

Crop Acres		450				
REVENUE		Quantity	Units	\$/Unit	Total	Enterprise Total
Rice 1st Crop Loan		70.00	CWT	\$7.00	\$490.00	\$220,500.00
Rice 1st Crop Premium		70.00	CWT	\$5.50	\$385.00	\$173,250.00
Total Revenue					\$875.00	\$393,750.00
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	\$434.00	\$61.19	\$27,537.30
33-0-0`		0.1	Ton	\$411.00	\$41.10	\$18,495.00
46-0-0`		0.075	Ton	\$365.00	\$27.38	\$12,318.75
Custom						
Base Fertilizer		1	Acre	\$11.25	\$11.25	\$5,062.50
Ground Application		1	Acre	\$9.00	\$9.00	\$4,050.00
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	\$9.00	\$9.00	\$4,050.00
Rice Hauling		80.5	CWT	\$0.45	\$36.23	\$16,301.25
Rice Drying		80.5	CWT	\$1.25	\$100.63	\$45,281.25
Miscellaneous						
Crop Insurance -Rice Enterprise		1	Acre	\$8.55	\$8.55	\$3,847.50
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
Commission		70	CWT	\$0.08	\$5.60	\$2,520.00
Check Off		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	\$2.68	\$4.29	\$1,929.60
Stinkbug Pyrthyroid Rice		3.2	Ounce	\$2.68	\$8.58	\$3,859.20
Herbicide						
Clomazone		0.1	Gallon	\$140.15	\$14.02	\$6,306.75
Rice PostEmerge Herbicide 1		1	Acre	\$20.00	\$20.00	\$9,000.00
Rice PostEmerge Herbicide 2		7	Ounce	\$2.11	\$14.77	\$6,646.50
Other Chemicals						
Herbicide Surfactant		2.5	Acre	\$1.50	\$3.75	\$1,687.50
Fungicide Surfactant		1	Acre	\$0.45	\$0.45	\$202.50
Fungicides						
Rice Fungicide		1	Acre	\$29.98	\$29.98	\$13,491.00
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		1.26	Hour	\$19.50	\$24.57	\$11,056.50
Diesel Fuel						
Tractors/Self-Propelled		12.4	Gallon	\$2.20	\$27.28	\$12,276.00
Repairs & Maintenance						
Irrigation Equipment		1	Acre	\$0.01	\$0.01	\$5.33
Tractors/Self-Propelled		1	Acre	\$40.19	\$40.19	\$18,084.26
Implements		1	Acre	\$25.51	\$25.51	\$11,478.10
Interest on Credit Line				6.00%	\$30.79	\$13,854.42
Total Variable Costs					\$858.05	\$386,120.97
Planned Returns Above Variable Costs:					\$16.95	\$7,629.03
Breakeven Price to Cover Variable Costs				\$6.76	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	\$39.74	\$39.74	\$17,880.99
Implements		1	Acre	\$32.30	\$32.30	\$14,536.96
Equipment Investment						
Irrigation Equipment		\$1.78	Dollars	6.00%	\$0.11	\$48.00
Tractors/Self-Propelled		\$305.97	Dollars	6.00%	\$18.36	\$8,261.23
Implements		\$211.59	Dollars	6.00%	\$12.70	\$5,712.85
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					\$277.19	\$124,734.20
Total Specified Costs					\$1,135.23	\$510,855.16
Returns Above Specified Costs					(\$260.23)	(\$117,105.16)
Breakeven Price to Cover Total Costs				\$10.72	CWT	

Developed by Extension Economists, Texas A&M AgriLife Extension Service, budgets@tamu.edu.

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.