

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Rice West of Houston, 1st Crop, Surface Water
Coastal Bend Extension District - 11

Crop Acres		450				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total		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						
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
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	\$6.00	\$6.00		\$2,700.00
Ground Application	1	Acre	\$6.50	\$6.50		\$2,925.00
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						
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
Crop Insurance -Rice Enterprise	1	Acre	\$11.75	\$11.75		\$5,287.50
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
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	\$37.86	\$37.86		\$17,037.55
Implements	1	Acre	\$25.94	\$25.94		\$11,673.02
Interest on Credit Line			6.00%	\$30.44		\$13,698.66
Total Variable Costs				\$844.19		\$379,886.66
Planned Returns Above Variable Costs:				\$30.81		\$13,863.34
Breakeven Price to Cover Variable Costs			\$6.56	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	\$37.44	\$37.44		\$16,847.75
Implements	1	Acre	\$32.53	\$32.53		\$14,637.39
Equipment Investment						
Irrigation Equipment	\$1.78	Dollars	6.00%	\$0.11		\$48.00
Tractors/Self-Propelled	\$288.30	Dollars	6.00%	\$17.30		\$7,784.08
Implements	\$203.43	Dollars	6.00%	\$12.21		\$5,492.48
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				\$273.56		\$123,103.87
Total Specified Costs				\$1,117.76		\$502,990.53
Returns Above Specified Costs				(\$242.76)		(\$109,240.53)
Breakeven Price to Cover Total Costs			\$10.47	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	52.50	\$8.75	\$13.96
90%	63.00	\$7.29	\$11.63
100%	70.00	\$6.56	\$10.47
110%	77.00	\$5.96	\$9.52
125%	87.50	\$5.25	\$8.37

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.