

Projections for Planning Purposes Only -- Not to be Used without Updating
2018 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	Total
Rice 1st Crop Loan	70.00	CWT	\$6.79	\$475.30		\$213,885.00
Rice 1st Crop Premium	70.00	CWT	\$5.71	\$399.70		\$179,865.00
Total Revenue				\$875.00		\$393,750.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Herbicide						
Clomazone	0.1	Gallon	\$156.00	\$15.60		\$7,020.00
Rice PostEmerge Herbicide 1	1	Acre	\$50.44	\$50.44		\$22,698.00
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	\$357.00	\$50.34		\$22,651.65
33-0-0'	0.1	Ton	\$334.00	\$33.40		\$15,030.00
46-0-0'	0.075	Ton	\$332.00	\$24.90		\$11,205.00
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						
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	\$2.50	\$6.25		\$2,812.50
Fungicide Surfactant	1	Acre	\$0.75	\$0.75		\$337.50
Fungicides						
Rice Fungicide	1	Acre	\$27.50	\$27.50		\$12,375.00
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	\$2.30	\$28.52		\$12,834.00
Repairs & Maintenance						
Irrigation Equipment	1	Acre	\$0.01	\$0.01		\$5.33
Tractors/Self-Propelled	1	Acre	\$35.69	\$35.69		\$16,062.47
Implements	1	Acre	\$25.34	\$25.34		\$11,401.30
Interest on Credit Line			5.50%	\$28.23		\$12,701.72
Total Variable Costs				\$851.54		\$383,192.77
Planned Returns Above Variable Costs:				\$23.46		\$10,557.23
Breakeven Price to Cover Variable Costs			\$6.45	CWT		
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Irrigation Equipment	1	Acre	\$0.24	\$0.24		\$106.67
Tractors/Self-Propelled	1	Acre	\$35.34	\$35.34		\$15,902.85
Implements	1	Acre	\$31.55	\$31.55		\$14,198.52
Equipment Investment						
Irrigation Equipment	\$1.78	Dollars	6.00%	\$0.11		\$48.00
Tractors/Self-Propelled	\$272.22	Dollars	6.00%	\$16.33		\$7,349.93
Implements	\$195.54	Dollars	6.00%	\$11.73		\$5,279.66
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				\$269.05		\$121,073.13
Total Specified Costs				\$1,120.59		\$504,265.90
Returns Above Specified Costs				(\$245.59)		(\$110,515.90)
Breakeven Price to Cover Total Costs			\$10.30	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	52.50	\$8.61	\$13.73
90%	63.00	\$7.17	\$11.44
100%	70.00	\$6.45	\$10.30
110%	77.00	\$5.87	\$9.36
125%	87.50	\$5.16	\$8.24

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.