

Projections for Planning Purposes Only -- Not to be Used without Updating
2017 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	\$141.80	\$14.18		\$6,381.00
Rice PostEmerg Herbicide 1	1	Acre	\$50.44	\$50.44		\$22,698.00
Rice PostEmerg Herbicide 2	7	Ounce	\$2.07	\$14.49		\$6,520.50
Seed						
Rice	0.9	CWT	\$49.00	\$44.10		\$19,845.00
Fertilizer						
17-21-14-4.3S'	0.141	Ton	\$363.30	\$51.23		\$23,051.39
33-0-0'	0.1	Ton	\$397.00	\$39.70		\$17,865.00
46-0-0'	0.075	Ton	\$308.30	\$23.12		\$10,405.13
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
Commission	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	\$2.42	\$3.87		\$1,742.40
Stinkbug Pyrthyroid Rice	3.2	Ounce	\$2.42	\$7.74		\$3,484.80
Fungicides						
Rice Fungicide	1	Acre	\$29.56	\$29.56		\$13,302.00
Other Chemicals						
Herbicide Surfactant	2.5	Acre	\$2.50	\$6.25		\$2,812.50
Fungicide Surfactant	1	Acre	\$0.75	\$0.75		\$337.50
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	1.27	Hour	\$19.50	\$24.77		\$11,144.25
Diesel Fuel						
Tractors/Self-Propelled	12.4	Gallon	\$2.10	\$26.04		\$11,718.00
Repairs & Maintenance						
Irrigation Equipment	1	Acre	\$0.01	\$0.01		\$5.33
Tractors/Self-Propelled	1	Acre	\$32.53	\$32.53		\$14,640.39
Implements	1	Acre	\$22.14	\$22.14		\$9,961.85
Interest on Credit Line			4.25%	\$21.23		\$9,552.28
Total Variable Costs				\$846.39		\$380,875.31
Planned Returns Above Variable Costs:				\$28.61		\$12,874.69
Breakeven Price to Cover Variable Costs			\$6.44	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	\$32.09	\$32.09		\$14,442.33
Implements	1	Acre	\$27.96	\$27.96		\$12,582.55
Equipment Investment						
Irrigation Equipment	\$1.78	Dollars	7.00%	\$0.12		\$56.00
Tractors/Self-Propelled	\$246.98	Dollars	7.00%	\$17.29		\$7,779.72
Implements	\$182.81	Dollars	7.00%	\$12.80		\$5,758.50
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				\$264.25		\$118,913.27
Total Specified Costs				\$1,110.64		\$499,788.58
Returns Above Specified Costs				(\$235.64)		(\$106,038.58)
Breakeven Price to Cover Total Costs			\$10.22	CWT		

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	To Cover Variable Costs	To Cover Total Costs
75%	52.50	\$8.59	\$13.62
90%	63.00	\$7.16	\$11.35
100%	70.00	\$6.44	\$10.22
110%	77.00	\$5.86	\$9.29
125%	87.50	\$5.15	\$8.17

Developed by Extension Economists, 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.