

**Projections for Planning Purposes Only -- *Not to be Used without Updating***  
**2016 Estimated Costs and Returns per Acre**  
**Rice West of Houston, 2nd Crop, Surface Water - 450 Acres**  
**Coastal Bend Extension District - 11**

Crop Acres		450			
				Enterprise	
REVENUE	Quantity	Units	\$/Unit	Total	Total
Rice 2nd Crop Loan	16.00	CWT	\$6.75	\$108.00	\$48,600.00
Rice 2nd Crop Premium	16.00	CWT	\$5.55	\$88.80	\$39,960.00
<b>Total Revenue</b>				<b>\$196.80</b>	<b>\$88,560.00</b>
				Enterprise	
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Production Costs</b>					
Fertilizer					
46-0-0'	0.075	Ton	\$397.00	\$29.78	\$13,398.75
Custom					
Top Dress	1	Acre	\$9.18	\$9.18	\$4,131.00
Aerial Application	1	Acre	\$7.80	\$7.80	\$3,510.00
Rice Hauling	19.3	CWT	\$0.36	\$6.95	\$3,126.60
Rice Drying	19.3	CWT	\$1.25	\$24.13	\$10,856.25
Miscellaneous					
Check Off	16	CWT	\$0.08	\$1.28	\$576.00
Commission	16	CWT	\$0.08	\$1.28	\$576.00
Rice Storage	16	CWT	\$0.32	\$5.12	\$2,304.00
Insecticide					
Stinkbug Rice	0.222222	Pint	\$19.38	\$4.31	\$1,938.00
Irrigation					
Water Cost	1.90	AcreFoot	\$18.89	\$35.89	\$16,150.95
Irrigation Labor	0.71	Hour	\$19.50	\$13.85	\$6,230.25
Machinery Labor					
Tractors/Self-Propelled	0.24	Hour	\$19.50	\$4.68	\$2,106.00
Diesel Fuel					
Tractors/Self-Propelled	2.11	Gallon	\$2.10	\$4.43	\$1,993.95
Repairs & Maintenance					
Irrigation Equipment	1	Acre	\$0.01	\$0.01	\$5.33
Tractors/Self-Propelled	1	Acre	\$8.87	\$8.87	\$3,991.54
Implements	1	Acre	\$1.33	\$1.33	\$600.05
Interest on Credit Line			4.25%	\$0.83	\$375.17
<b>Total Variable Costs</b>				<b>\$159.71</b>	<b>\$71,869.85</b>
Planned Returns Above Variable Costs:				\$37.09	\$16,690.15
Breakeven Price to Cover Variable Costs			\$4.43	CWT	
				Enterprise	
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total
<b>Machinery Depreciation</b>					
Irrigation Equipment	1	Acre	\$0.24	\$0.24	\$106.67
Tractors/Self-Propelled	1	Acre	\$8.07	\$8.07	\$3,630.62
Implements	1	Acre	\$1.48	\$1.48	\$664.53
<b>Equipment Investment</b>					
Irrigation Equipment	\$1.78	Dollars	7.00%	\$0.12	\$56.00
Tractors/Self-Propelled	\$60.66	Dollars	7.00%	\$4.25	\$1,910.73
Implements	\$22.02	Dollars	7.00%	\$1.54	\$693.66
Management Fee, Owner/Operator Labor	1	Acre	\$9.84	\$9.84	\$4,428.00
<b>Total Fixed Costs</b>				<b>\$25.53</b>	<b>\$11,490.20</b>
<b>Total Specified Costs</b>				<b>\$185.24</b>	<b>\$83,360.05</b>
Returns Above Specified Costs				\$11.56	\$5,199.95
<b>Breakeven Price to Cover Total Costs</b>			<b>\$6.03</b>	CWT	

Example Breakeven Prices			
Example Yield Percent	Example Yield CWT	Price Needed to Cover Your Variable Costs	Price Needed to Cover Your Total Costs
75%	12.00	\$5.91	\$8.04
90%	14.40	\$4.92	\$6.70
100%	16.00	\$4.43	\$6.03
110%	17.60	\$4.03	\$5.48
125%	20.00	\$3.55	\$4.82

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.**