TABLE 1. Acreage Summary, Quay County,
Actual 2024

BUDGET AREA. SOUTHERN QUAY
FARM SIZE 1,000 ACRES
IRRIGATION TYPE SPRINKLER/DRYL
NUMBER OF CROPS 2 SOUTHERN QUAY COUNTY 1,000 ACRES SPRINKLER/DRYLAND 2

		WATER	USE
ACREAGE SUMMARY:	LAND USE (ACRES)	AC.IN. PER AC.	TOTAL AC.IN.
WHEAT ARP	607.75 0.00	0	0
FLEX IN GRAIN SORGHUM	107.25	0	0
GRAIN SORGHUM ARP	212.50 0.00	12	2,550
FLEX IN GRAIN SORGHUM ROADS, HOMESTEAD.	37.50	12	450
FALLOW	35.00		
TOTAL	1,000.00		3,000

TABLE 2. Basic cost information for Southern Quay County, Actual 2024

Actual 2024				
Item				
Labor Wage Rate:				
Equipment operators		\$/hour		\$20.00
General & Irrigators		\$/hour		\$16.77
Purchased Inputs:				
Fertilizer:		0/		00.05
Nitrogen (N)		\$/pound		\$0.35
Phosphate (P205) Seed:		\$/pound		\$0.48
Wheat		\$/pound		\$0.39
Grain Sorghum		\$/pound		\$2.78
Grain Gorgnani		ψ/pound		Ψ2.70
Energy Costs:				
Diesel fuel		\$/gallon		\$3.98
Gasoline		\$/gallon		\$3.12
Electricity (Farmers Elec Coop)		cents/KwH	r	12.08
LP Gas		\$/gallon		\$2.75
Employee Liability Insurance		\$/\$1,000 w	rages	\$20.00
Employee Benefits		percent/wa	ges	18.00%
Labor Downtime		percent		25.00%
Financial Rates:				
Operating Capital Interest Rate		percent		9.25%
Land Interest Rate		percent		8.15%
Equipment Interest Rate		percent		7.15%
Real Interest Rate		percent		1.82%
Land Taxes				
Irrigated	\$96.00	/acre (full v	alue)	\$0.82
Dryland	\$38.00	/acre (full v	alue)	\$0.33
Personal Property Tax Rate	- NR	\$/\$1,000	(Assessed	\$25.77
	- R		Value)	\$20.18
Supervision Factors				
Field Crop-Irrigation		\$/acre		\$1.00
Field Crop-Equipment & General		\$/acre		\$0.50
Management Rate		percent		7.00%

TABLE 3. Overhead cost information for Southern Quay County, Actual 2024

Electricity (Domestic &	Shop)		\$256.00	per month	\$3,072
Telephone			\$128.00	per month	\$1,536
Accounting & Legal					\$1,882
Misc. Supplies & Hand	Tools				\$2,822
Pickup and Auto					
miles	26,368	@	\$0.700 per mile		\$18,458
Insurance					
 general liability (non- 	employee)				\$2,022
- fire/theft					\$1,600
Property Taxes					
 non-planted land 					\$0
 other than land & ma 					\$6,010
Building repairs and ma					\$1,536
Dues, fees, publication:	S				\$461
Farmstead Equipment					\$192
				Total	\$39,591
			Total per planted acre		\$41.03
			Total per dryland acre		\$22.16

TABLE 6. Wheat, dryland, budgeted per acre costs and returns for a 1,000 acre farm with above average management, Southern Quay County, Actual 2024
Planting dates: August 20 - September 15
Harvesting dates: June 15 - July 10

Harvesting dates: June 15 - July	10									
ITEM	PRICE		YIEL	.D	BASE					TOTAL
GROSS RETURNS WHEAT PROGRAM PAYMENT PLC PAYMENT GRAZING	\$5.46 \$0.00 \$0.00 \$40.00		20.00	BUSHELS BUSHELS ACRE	0.85					\$109.20 \$0.00 \$0.00 \$40.00
TOTAL										\$149.20
PURCHASED INPUTS	PRICE		QUAN [*]	TITY	PURCHASED INPUTS				FIXED COST	TOTAL
SEED CROP INSURANCE SUBTOTAL	\$0.39 \$0.08		25	LBS .	\$9.75 \$0.08 \$9.83				_	\$9.75 \$0.08 \$9.83
PREHARVEST OPERATIONS	POWER UNIT		ACCOMPLI RAT		PURCHASED INPUTS	LABOR	FUEL & LUBE	REPAIRS	FIXED COST	TOTAL
SWEEP (2X) STUBBLE MULCHER RODWEED (2X) DRILL	185 HP 185 HP 126 HP 126 HP		0.16 0.08 0.16 0.12	HR HR		\$3.20 \$1.60 \$3.20 \$2.40	\$6.60 \$3.30 \$5.25 \$3.94	\$1.76 \$1.21 \$0.76 \$0.79	\$3.73 \$3.26 \$1.73 \$3.12	\$15.29 \$9.37 \$10.94 \$10.25
SUBTOTAL		•	0.52	HR		\$10.40	\$19.09	\$4.52	\$11.85	\$45.85
HARVEST OPERATIONS										
COMBINE HAUL	22 FT 2 TON		0.14 0.14			\$2.80 \$2.80	\$4.60 \$3.54	\$0.58 \$0.90	\$3.40 \$4.72	\$11.37 \$11.96
SUBTOTAL			0.28	HR		\$5.60	\$8.14	\$1.48	\$8.12	\$23.34
OVERHEAD EXPENSES										
DOWNTIME EMPLOYEE BENEFITS INSURANCE LAND TAXES SUPERVISION AND MANAGEMENT OTHER EXPENSES			0.20	HR	\$0.32 \$22.16	\$4.00 \$2.88 \$11.44			\$0.33	\$4.00 \$2.88 \$0.32 \$0.33 \$11.44 \$22.16
SUBTOTAL			0.20	HR	\$22.48	\$18.32			\$0.33	\$41.13
TOTAL OPERATING EXPENSES			1.00	HR	\$32.32	\$34.32	\$27.22	\$6.00	\$20.30	\$120.16
NET OPERATING PROFIT										\$29.04
INTEREST ON OPERATING CAPITAL INTEREST ON EQUIPMENT INVESTMENT		(\$11.62	@	9.25%)				\$1.07 \$10.74
RETURN TO LAND AND RISK										\$17.22
		BUDGET	SUMMARY							
GROSS RETURN VARIABLE OPERATING EXPENSES RETURN OVER VARIABLE EXPENSES FIXED EXPENSES NET FARM INCOME		\$65.54 \$20.30	\$149.20 \$83.66 \$63.37	,	MARGIN) N TO CAPITAL, L	ABOR, LANI) & RISK)			
LABOR AND MANAGEMENT COST NET OPERATING PROFIT CAPITAL COSTS RETURN TO LAND AND RISK		\$34.32 \$11.82	\$29.04 \$17.22	(RETUR	N TO CAPITAL, L	AND & RISK)			

TABLE 7. Grain sorghum, sprinkler-irrigated, budgeted per acre costs and returns for a 1,000 acre farm with above average management, Southern Quay County, Actual 2024
Planting dates: June 15 - July 15
Harvesting dates: September 20 - October 30

ITEM	PRICE		YIEL	LD	BASE					TOTAL
GROSS RETURNS	¢7 20		E0 00	CWT						¢264.75
GRAIN SORGHUM PROGRAM PAYMENT	\$7.30 \$0.00		50.00	CWT						\$364.75 \$0.00
PLC PAYMENT	\$0.00		50.00		0.85					\$0.00
TOTAL	ψ0.00		00.00	•••	0.00				-	\$364.75
101/12										ψου-1.10
					PURCHASED				FIXED	
PURCHASED INPUTS	PRICE		QUAN	TITY	INPUTS				COST	TOTAL
SEED	\$2.78		5	LBS	\$13.90					\$13.90
NITROGEN (N)	\$0.35			LBS	\$28.00					\$28.00
PHOSPHATE (P205)	\$0.48		40	LBS	\$19.20					\$19.20
HERBICIDE	\$16.99			ACRE	\$16.99					\$16.99
PUMP WATER	¢0.44		12	AC. IN.	£0.44					CO 14
CROP INSURANCE	\$0.14				\$0.14				_	\$0.14
SUBTOTAL					\$78.23				_	\$78.23
	POWER		ACCOMPLI	ISHMENT	PURCHASED		FUEL &		FIXED	
PREHARVEST OPERATIONS	UNIT		RA1		INPUTS	LABOR	LUBE	REPAIRS	COST	TOTAL
SWEEP	185 HP		0.08	ЦΒ		\$1.60	\$3.30	\$0.88	\$1.87	\$7.65
DISC (2X)	185 HP		0.06			\$1.60 \$4.40	\$3.30 \$9.07	\$0.00 \$3.28	\$1.07 \$7.04	\$23.79
SPRAYER	126 HP		0.06			\$1.20	\$1.97	\$0.28	\$1.17	\$4.62
LISTER	185 HP		0.12			\$2.40	\$4.95	\$0.99	\$3.07	\$11.41
ROD WEED & PLANTER	185 HP		0.18			\$3.60	\$7.42	\$1.52	\$5.90	\$18.44
CULTIVATOR (2X)	126 HP		0.26			\$5.20	\$8.54	\$2.00	\$3.86	\$19.60
IRRIGATE (12X)			1.20	HR		\$20.12	\$72.79	\$0.00	\$10.32	\$103.24
SUBTOTAL		=	2.12	HR		\$38.52	\$108.03	\$8.95	\$33.23	\$188.73
HARVEST OPERATIONS										
COMBINE	22 FT		0.16			\$3.20	\$5.25	\$0.66	\$3.89	\$13.00
HAUL	2 TON		0.16			\$3.20	\$4.05	\$1.03	\$5.40	\$13.67
		_								
SUBTOTAL			0.32	HK		\$6.40	\$9.30	\$1.69	\$9.28	\$26.67
OVERHEAD EXPENSES										
OVERTICAD EXTENSES										
DOWNTIME			0.61	HR		\$12.20				\$12.20
EMPLOYEE BENEFITS						\$8.09				\$8.09
INSURANCE LAND TAXES					\$0.90				\$0.82	\$0.90 \$0.82
SUPERVISION AND MANAGEME	-NT					\$26.53			φ0.02	\$26.53
OTHER EXPENSES					\$41.03	Ψ20.00				\$41.03
SUBTOTAL		-	0.61	HR	\$41.93	\$46.82			\$0.82	\$89.57
TOTAL OPERATING EXPENSES		-	2.73	HR	\$120.15	\$91.74	\$117.33	\$10.64	\$43.34	\$383.20
NET OPERATING PROFIT										(\$18.45)
				_						
INTEREST ON OPERATING CAP INTEREST ON EQUIPMENT INVI		(\$69.27	@	9.25%)				\$6.41 \$23.20
RETURN TO LAND AND RISK										(\$48.05)
* Pump water costs are shown und	der irrigation in the preha	nveet operat	tions section							
Fullip water costs are shown und	der imgation in the prena		SUMMARY							
GROSS RETURN			\$364.75							
VARIABLE OPERATING EXPENSI RETURN OVER VARIABLE EXPEN		\$248.11	\$116.64	(GPOS	S MARGIN)					
FIXED EXPENSES	020	\$43.34								
NET FARM INCOME LABOR AND MANAGEMENT COS	ST	\$91.74	\$73.30	(RETUF	RN TO CAPITAL, L	ABOR, LANI	0 & RISK)			
NET OPERATING PROFIT			(\$18.45)	(RETUF	RN TO CAPITAL, L	AND & RISK)			
CAPITAL COSTS RETURN TO LAND AND RISK		\$29.60	(\$40 OF)							
INCTORNATIO FUND WIND KIND			(\$48.05)							

TABLE 8. Summary of per acre costs and returns for a 1,000 acre farm, Southern Quay County, Actual 2024

Actual 2024	WHEAT	GRAIN SORGHUM
	(Dryland)	(Sprinkler)
	BU	CWT
PRIMARY YIELD	20.00	50.00
PRIMARY PRICE	\$5.46	\$7.30
GOVERNMENT PAYMENTS	\$0.00	\$0.00
SECOND INCOME	\$40.00	\$0.00
GROSS RETURN	\$149.20	\$364.75
CASH OPERATING EXPENSES		
SEED	\$9.75	\$13.90
FERTILIZER		\$47.20
CHEMICALS	Φ0.00	\$16.99
CROP INSURANCE	\$0.08	\$0.14
OTHER PURCHASED INPUTS CANAL WATER		
FUEL, OIL & LUBRICANTS-EQUIPMENT	\$27.22	\$44.54
FUEL-IRRIGATION	Ψ21.22	\$72.79
REPAIRS	\$6.00	\$10.64
CUSTOM CHARGES		
LAND TAXES	\$0.33	\$0.82
OTHER EXPENSES	\$22.48	\$41.93
TOTAL CASH EXPENSES	\$65.86	\$248.94
RETURN OVER CASH EXPENSES	\$83.34	\$115.81
FIXED EXPENSES	\$19.97	\$42.51
TOTAL EXPENSES	\$85.83	\$291.45
NET FARM INCOME	\$63.37	\$73.30
LABOR AND MANAGEMENT COSTS	\$34.32	\$91.74
NET OPERATING PROFIT	\$29.04	(\$18.45)
CAPITAL COSTS		
INTEREST ON OPERATING CAPITAL	\$1.07	\$6.41
INTEREST ON EQUIPMENT INVESTMENT	\$10.74	\$23.20
TOTAL CAPITAL COSTS	\$11.82	\$29.60
RETURN TO LAND AND RISK	\$17.22	(\$48.05)

TABLE 9. Whole farm summary, Southern Quay County, Actual 2024

Actual 2024				
GROSS RETURNS WHEAT CROP GRAZING PROGRAM PAYMENT PLC PAYMENT GRAIN SORGHUM CROP	607.75 ACRES T 357.25 ACRES	\$66,366 \$24,310 \$0 \$0		
PROGRAM PAYMEN' PLC PAYMENT	т	\$130,307 \$0 \$0		
GROSS RETURN			-	\$220,983
CASH OPERATING EXPENSED FERTILIZER CHEMICALS CROP INSURANCE OTHER PURCHASED CANAL WATER FUEL, OIL & LUBRICA FUEL-IRRIGATION REPAIRS CUSTOM CHARGES LAND TAXES OTHER EXPENSES	INPUTS	\$10,891 \$16,862 \$6,068 \$100 \$0 \$0 \$32,457 \$26,003 \$7,444 \$0 \$493 \$28,643		
TOTAL CASH	EXPENSES	-	\$128,961	
RETURN OVER CASH EX	(PENSES			\$92,022
FIXED EXPENSES		\$27,326		
TOTAL EXPEN	NSES		\$156,287	
NET FARM INCOME				\$64,696
LABOR AND MANAGEME	ENT COSTS	\$53,636		
NET OPERATING PROFI	Т			\$11,061
CAPITAL COSTS INTEREST ON OPERA INTEREST ON EQUIP		\$2,942 \$14,816		
TOTAL CAPIT	AL COSTS	•	\$17,758	
RETURN TO LAND AND I	RISK		-	(\$6,697)

	RETURN	RETURN ON
LAND VALUE	TO RISK*	INVESTMENT**
\$150 /ACRE	(\$9,421)	3.11%
\$300 /ACRE	(\$12,145)	2.19%
\$450 /ACRE	(\$14,869)	1.69%
\$600 /ACRE	(\$17,593)	1.37%
\$750 /ACRE	(\$20,317)	1.16%
\$900 /ACRE	(\$23,041)	1.00%

^{*} RETURN TO LAND AND RISK MINUS (INTEREST RATE TIMES LAND VALUE TIMES ACREAGE)
** NET OPERATING PROFIT DIVIDED BY (MACHINERY AND EQUIPMENT VALUE PLUS LAND VALUE)