



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

| ITEM                 | PRICE   | YIELD         | BASE | TOTAL           |
|----------------------|---------|---------------|------|-----------------|
| <b>GROSS RETURNS</b> |         |               |      |                 |
| WHEAT                | \$5.46  | 20.00 BUSHELS |      | \$109.20        |
| PROGRAM PAYMENT      | \$0.00  | 20.00 BUSHELS | 0.85 | \$0.00          |
| PLC PAYMENT          | \$0.00  |               |      | \$0.00          |
| GRAZING              | \$40.00 | 1.00 ACRE     |      | \$40.00         |
| <b>TOTAL</b>         |         |               |      | <b>\$149.20</b> |

| PURCHASED INPUTS | PRICE  | QUANTITY | PURCHASED INPUTS | FIXED COST | TOTAL         |
|------------------|--------|----------|------------------|------------|---------------|
| SEED             | \$0.39 | 25 LBS   | \$9.75           |            | \$9.75        |
| CROP INSURANCE   | \$0.08 |          | \$0.08           |            | \$0.08        |
| <b>SUBTOTAL</b>  |        |          | <b>\$9.83</b>    |            | <b>\$9.83</b> |

| PREHARVEST OPERATIONS | POWER UNIT | ACCOMPLISHMENT RATE | PURCHASED INPUTS | LABOR          | FUEL & LUBE    | REPAIRS       | FIXED COST     | TOTAL          |
|-----------------------|------------|---------------------|------------------|----------------|----------------|---------------|----------------|----------------|
| SWEEP (2X)            | 185 HP     | 0.16 HR             |                  | \$3.20         | \$6.60         | \$1.76        | \$3.73         | \$15.29        |
| STUBBLE MULCHER       | 185 HP     | 0.08 HR             |                  | \$1.60         | \$3.30         | \$1.21        | \$3.26         | \$9.37         |
| RODWEED (2X)          | 126 HP     | 0.16 HR             |                  | \$3.20         | \$5.25         | \$0.76        | \$1.73         | \$10.94        |
| DRILL                 | 126 HP     | 0.12 HR             |                  | \$2.40         | \$3.94         | \$0.79        | \$3.12         | \$10.25        |
| <b>SUBTOTAL</b>       |            | <b>0.52 HR</b>      |                  | <b>\$10.40</b> | <b>\$19.09</b> | <b>\$4.52</b> | <b>\$11.85</b> | <b>\$45.85</b> |

| HARVEST OPERATIONS | POWER UNIT | ACCOMPLISHMENT RATE | PURCHASED INPUTS | LABOR         | FUEL & LUBE   | REPAIRS       | FIXED COST    | TOTAL          |
|--------------------|------------|---------------------|------------------|---------------|---------------|---------------|---------------|----------------|
| COMBINE            | 22 FT      | 0.14 HR             |                  | \$2.80        | \$4.60        | \$0.58        | \$3.40        | \$11.37        |
| HAUL               | 2 TON      | 0.14 HR             |                  | \$2.80        | \$3.54        | \$0.90        | \$4.72        | \$11.96        |
| <b>SUBTOTAL</b>    |            | <b>0.28 HR</b>      |                  | <b>\$5.60</b> | <b>\$8.14</b> | <b>\$1.48</b> | <b>\$8.12</b> | <b>\$23.34</b> |

| OVERHEAD EXPENSES          | ACCOMPLISHMENT RATE | PURCHASED INPUTS | LABOR          | FUEL & LUBE | REPAIRS | FIXED COST    | TOTAL          |
|----------------------------|---------------------|------------------|----------------|-------------|---------|---------------|----------------|
| DOWNTIME                   | 0.20 HR             |                  | \$4.00         |             |         |               | \$4.00         |
| EMPLOYEE BENEFITS          |                     |                  | \$2.88         |             |         |               | \$2.88         |
| INSURANCE                  |                     | \$0.32           |                |             |         |               | \$0.32         |
| LAND TAXES                 |                     |                  |                |             |         | \$0.33        | \$0.33         |
| SUPERVISION AND MANAGEMENT |                     |                  | \$11.44        |             |         |               | \$11.44        |
| OTHER EXPENSES             |                     | \$22.16          |                |             |         |               | \$22.16        |
| <b>SUBTOTAL</b>            | <b>0.20 HR</b>      | <b>\$22.48</b>   | <b>\$18.32</b> |             |         | <b>\$0.33</b> | <b>\$41.13</b> |

|                                 |                |                |                |                |               |                |                 |
|---------------------------------|----------------|----------------|----------------|----------------|---------------|----------------|-----------------|
| <b>TOTAL OPERATING EXPENSES</b> | <b>1.00 HR</b> | <b>\$32.32</b> | <b>\$34.32</b> | <b>\$27.22</b> | <b>\$6.00</b> | <b>\$20.30</b> | <b>\$120.16</b> |
|---------------------------------|----------------|----------------|----------------|----------------|---------------|----------------|-----------------|

|                             |  |  |  |  |  |  |                |
|-----------------------------|--|--|--|--|--|--|----------------|
| <b>NET OPERATING PROFIT</b> |  |  |  |  |  |  | <b>\$29.04</b> |
|-----------------------------|--|--|--|--|--|--|----------------|

|                                  |   |         |   |       |   |  |         |
|----------------------------------|---|---------|---|-------|---|--|---------|
| INTEREST ON OPERATING CAPITAL    | ( | \$11.62 | @ | 9.25% | ) |  | \$1.07  |
| INTEREST ON EQUIPMENT INVESTMENT |   |         |   |       |   |  | \$10.74 |

|                                |  |  |  |  |  |  |                |
|--------------------------------|--|--|--|--|--|--|----------------|
| <b>RETURN TO LAND AND RISK</b> |  |  |  |  |  |  | <b>\$17.22</b> |
|--------------------------------|--|--|--|--|--|--|----------------|

| BUDGET SUMMARY                |         |          |   |
|-------------------------------|---------|----------|---|
| GROSS RETURN                  |         | \$149.20 |   |
| VARIABLE OPERATING EXPENSES   | \$65.54 |          |   |
| RETURN OVER VARIABLE EXPENSES |         | \$83.66  | (GROSS MARGIN)                          |
| FIXED EXPENSES                | \$20.30 |          |   |
| NET FARM INCOME               |         | \$63.37  | (RETURN TO CAPITAL, LABOR, LAND & RISK) |
| LABOR AND MANAGEMENT COST     | \$34.32 |          |   |
| NET OPERATING PROFIT          |         | \$29.04  | (RETURN TO CAPITAL, LAND & RISK)        |
| CAPITAL COSTS                 | \$11.82 |          |   |
| RETURN TO LAND AND RISK       |         | \$17.22  |   |

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  | YIELD     | BASE | TOTAL           |
|----------------------|--------|-----------|------|-----------------|
| <b>GROSS RETURNS</b> |        |           |      |                 |
| GRAIN SORGHUM        | \$7.30 | 50.00 CWT |      | \$364.75        |
| PROGRAM PAYMENT      | \$0.00 | 0.00 CWT  |      | \$0.00          |
| PLC PAYMENT          | \$0.00 | 50.00 CWT | 0.85 | \$0.00          |
| <b>TOTAL</b>         |        |           |      | <b>\$364.75</b> |

| PURCHASED INPUTS | PRICE   | QUANTITY   | PURCHASED INPUTS | FIXED COST | TOTAL          |
|------------------|---------|------------|------------------|------------|----------------|
| SEED             | \$2.78  | 5 LBS      | \$13.90          |            | \$13.90        |
| NITROGEN (N)     | \$0.35  | 80 LBS     | \$28.00          |            | \$28.00        |
| PHOSPHATE (P205) | \$0.48  | 40 LBS     | \$19.20          |            | \$19.20        |
| HERBICIDE        | \$16.99 | 1 ACRE     | \$16.99          |            | \$16.99        |
| PUMP WATER       |         | 12 AC. IN. |                  |            |                |
| CROP INSURANCE   | \$0.14  |            | \$0.14           |            | \$0.14         |
| <b>SUBTOTAL</b>  |         |            | <b>\$78.23</b>   |            | <b>\$78.23</b> |

| PREHARVEST OPERATIONS | POWER UNIT | ACCOMPLISHMENT RATE | PURCHASED INPUTS | LABOR          | FUEL & LUBE     | REPAIRS       | FIXED COST     | TOTAL           |
|-----------------------|------------|---------------------|------------------|----------------|-----------------|---------------|----------------|-----------------|
| SWEEP                 | 185 HP     | 0.08 HR             |                  | \$1.60         | \$3.30          | \$0.88        | \$1.87         | \$7.65          |
| DISC (2X)             | 185 HP     | 0.22 HR             |                  | \$4.40         | \$9.07          | \$3.28        | \$7.04         | \$23.79         |
| SPRAYER               | 126 HP     | 0.06 HR             |                  | \$1.20         | \$1.97          | \$0.28        | \$1.17         | \$4.62          |
| LISTER                | 185 HP     | 0.12 HR             |                  | \$2.40         | \$4.95          | \$0.99        | \$3.07         | \$11.41         |
| ROD WEED & PLANTER    | 185 HP     | 0.18 HR             |                  | \$3.60         | \$7.42          | \$1.52        | \$5.90         | \$18.44         |
| CULTIVATOR (2X)       | 126 HP     | 0.26 HR             |                  | \$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        |
| <b>SUBTOTAL</b>       |            | <b>2.12 HR</b>      |                  | <b>\$38.52</b> | <b>\$108.03</b> | <b>\$8.95</b> | <b>\$33.23</b> | <b>\$188.73</b> |

| HARVEST OPERATIONS | POWER UNIT | ACCOMPLISHMENT RATE | PURCHASED INPUTS | LABOR         | FUEL & LUBE   | REPAIRS       | FIXED COST    | TOTAL          |
|--------------------|------------|---------------------|------------------|---------------|---------------|---------------|---------------|----------------|
| 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        |
| <b>SUBTOTAL</b>    |            | <b>0.32 HR</b>      |                  | <b>\$6.40</b> | <b>\$9.30</b> | <b>\$1.69</b> | <b>\$9.28</b> | <b>\$26.67</b> |

| OVERHEAD EXPENSES          | ACCOMPLISHMENT RATE | PURCHASED INPUTS | LABOR          | FUEL & LUBE | REPAIRS | FIXED COST    | TOTAL          |
|----------------------------|---------------------|------------------|----------------|-------------|---------|---------------|----------------|
| DOWNTIME                   | 0.61 HR             |                  | \$12.20        |             |         |               | \$12.20        |
| EMPLOYEE BENEFITS          |                     |                  | \$8.09         |             |         |               | \$8.09         |
| INSURANCE                  |                     | \$0.90           |                |             |         |               | \$0.90         |
| LAND TAXES                 |                     |                  |                |             |         | \$0.82        | \$0.82         |
| SUPERVISION AND MANAGEMENT |                     |                  | \$26.53        |             |         |               | \$26.53        |
| OTHER EXPENSES             |                     | \$41.03          |                |             |         |               | \$41.03        |
| <b>SUBTOTAL</b>            | <b>0.61 HR</b>      | <b>\$41.93</b>   | <b>\$46.82</b> |             |         | <b>\$0.82</b> | <b>\$89.57</b> |

|                                 |                |                 |                |                 |                |                |                 |
|---------------------------------|----------------|-----------------|----------------|-----------------|----------------|----------------|-----------------|
| <b>TOTAL OPERATING EXPENSES</b> | <b>2.73 HR</b> | <b>\$120.15</b> | <b>\$91.74</b> | <b>\$117.33</b> | <b>\$10.64</b> | <b>\$43.34</b> | <b>\$383.20</b> |
|---------------------------------|----------------|-----------------|----------------|-----------------|----------------|----------------|-----------------|

NET OPERATING PROFIT (\$18.45)

INTEREST ON OPERATING CAPITAL ( \$69.27 @ 9.25% ) \$6.41  
 INTEREST ON EQUIPMENT INVESTMENT \$23.20

**RETURN TO LAND AND RISK (\$48.05)**

\* Pump water costs are shown under irrigation in the preharvest operations section.

**BUDGET SUMMARY**

|                               |          |           |   |
|-------------------------------|----------|-----------|---|
| GROSS RETURN                  |          | \$364.75  |   |
| VARIABLE OPERATING EXPENSES   | \$248.11 |           |   |
| RETURN OVER VARIABLE EXPENSES |          | \$116.64  | (GROSS MARGIN)                          |
| FIXED EXPENSES                | \$43.34  |           |   |
| NET FARM INCOME               |          | \$73.30   | (RETURN TO CAPITAL, LABOR, LAND & RISK) |
| LABOR AND MANAGEMENT COST     | \$91.74  |           |   |
| NET OPERATING PROFIT          |          | (\$18.45) | (RETURN TO CAPITAL, LAND & RISK)        |
| CAPITAL COSTS                 | \$29.60  |           |   |
| RETURN TO LAND AND RISK       |          | (\$48.05) |   |

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

|                                  | WHEAT<br>(Dryland) | GRAIN<br>SORGHUM<br>(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                        |                    | \$16.99                         |
| CROP INSURANCE                   | \$0.08             | \$0.14                          |
| OTHER PURCHASED INPUTS           |                    |                                 |
| CANAL WATER                      |                    |                                 |
| FUEL, OIL & LUBRICANTS-EQUIPMENT | \$27.22            | \$44.54                         |
| FUEL-IRRIGATION                  |                    | \$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

|                                  |              |                  |
|----------------------------------|--------------|------------------|
| GROSS RETURNS                    |              |                  |
| WHEAT                            | 607.75 ACRES |                  |
| CROP                             |              | \$66,366         |
| GRAZING                          |              | \$24,310         |
| PROGRAM PAYMENT                  |              | \$0              |
| PLC PAYMENT                      |              | \$0              |
| GRAIN SORGHUM                    | 357.25 ACRES |                  |
| CROP                             |              | \$130,307        |
| PROGRAM PAYMENT                  |              | \$0              |
| PLC PAYMENT                      |              | \$0              |
| GROSS RETURN                     |              | <u>\$220,983</u> |
| CASH OPERATING EXPENSES          |              |                  |
| SEED                             |              | \$10,891         |
| FERTILIZER                       |              | \$16,862         |
| CHEMICALS                        |              | \$6,068          |
| CROP INSURANCE                   |              | \$100            |
| OTHER PURCHASED INPUTS           |              | \$0              |
| CANAL WATER                      |              | \$0              |
| FUEL, OIL & LUBRICANTS-EQUIPMENT |              | \$32,457         |
| FUEL-IRRIGATION                  |              | \$26,003         |
| REPAIRS                          |              | \$7,444          |
| CUSTOM CHARGES                   |              | \$0              |
| LAND TAXES                       |              | \$493            |
| OTHER EXPENSES                   |              | \$28,643         |
| TOTAL CASH EXPENSES              |              | <u>\$128,961</u> |
| RETURN OVER CASH EXPENSES        |              | \$92,022         |
| FIXED EXPENSES                   |              | \$27,326         |
| TOTAL EXPENSES                   |              | \$156,287        |
| NET FARM INCOME                  |              | \$64,696         |
| LABOR AND MANAGEMENT COSTS       |              | \$53,636         |
| NET OPERATING PROFIT             |              | \$11,061         |
| CAPITAL COSTS                    |              |                  |
| INTEREST ON OPERATING CAPITAL    |              | \$2,942          |
| INTEREST ON EQUIPMENT INVESTMENT |              | \$14,816         |
| TOTAL CAPITAL COSTS              |              | <u>\$17,758</u>  |
| RETURN TO LAND AND RISK          |              | <u>(\$6,697)</u> |

| LAND VALUE  | RETURN TO RISK* | RETURN ON 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)