

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Cabbage, Fresh Market, Furrow Irrigated, Rio Grande Valley
South Extension District - 12

| Crop Acres | | 100 | | | |
|---|----------|-----------|----------|------------|------------------|
| REVENUE | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Cabbage | 750.00 | Carton | \$9.00 | \$6,750.00 | \$675,000.00 |
| Total Revenue | | | | \$6,750.00 | \$675,000.00 |
| VARIABLE COSTS | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Production Costs | | | | | |
| Custom | | | | | |
| Harvest Cabbage | 750 | Carton | \$1.50 | \$1,125.00 | \$112,500.00 |
| Pack and Count Cabbage | 750 | Carton | \$3.00 | \$2,250.00 | \$225,000.00 |
| Fertilizer | | | | | |
| Phosphorus (46% P2O5) | 1.75 | CWT | \$25.60 | \$44.80 | \$4,480.00 |
| Ammonium Nitrate (34% N) | 4.41 | CWT | \$25.85 | \$113.99 | \$11,398.97 |
| Herbicide | | | | | |
| Prefar 4E | 2.75 | Quart | \$19.26 | \$52.97 | \$5,297.08 |
| Insecticide | | | | | |
| Admire Pro | 0.275 | Pint | \$27.74 | \$7.63 | \$762.76 |
| Lorsban 4E | 3.55 | Pint | \$6.35 | \$22.56 | \$2,255.81 |
| Karate | 7.68 | Ounce | \$1.79 | \$13.74 | \$1,373.80 |
| Asana XL | 24 | Ounce | \$0.61 | \$14.73 | \$1,472.64 |
| Seed | | | | | |
| Cabbage Seed | 24 | Thousand | \$5.00 | \$120.00 | \$12,000.00 |
| Fungicides | | | | | |
| Bravo Ultrex | 7 | Pound | \$7.21 | \$50.45 | \$5,045.04 |
| Ridomil Gold SC | 72 | Ounce | \$0.89 | \$64.40 | \$6,439.68 |
| Other Labor | | | | | |
| Unallocated Labor | 0.1546 | Hour | \$12.00 | \$1.86 | \$185.52 |
| Irrigation | | | | | |
| Water Cost | 2.80 | Acre/Foot | \$20.00 | \$56.00 | \$5,600.00 |
| Irrigation Labor | 7.50 | Hour | \$12.00 | \$90.00 | \$9,000.00 |
| Machinery Labor | | | | | |
| Tractors/Self-Propelled | 2.38 | Hour | \$12.00 | \$28.56 | \$2,856.00 |
| Diesel Fuel | | | | | |
| Tractors/Self-Propelled | 13.91 | Gallon | \$2.30 | \$31.99 | \$3,199.30 |
| Repairs & Maintenance | | | | | |
| Tractors/Self-Propelled | 1 | Acre | \$30.90 | \$30.90 | \$3,089.64 |
| Implements | 1 | Acre | \$19.89 | \$19.89 | \$1,988.87 |
| Interest on Credit Line | | | 5.00% | \$11.26 | \$1,126.35 |
| Total Variable Costs | | | | \$4,150.71 | \$415,071.46 |
| Planned Returns Above Variable Costs: | | | | \$2,599.29 | \$259,928.54 |
| Breakeven Price to Cover Variable Costs | | | \$5.53 | Carton | |
| FIXED COSTS | Quantity | Units | \$/Unit | Total | Enterprise Total |
| Machinery Depreciation | | | | | |
| Tractors/Self-Propelled | 1 | Acre | \$31.67 | \$31.67 | \$3,167.17 |
| Implements | 1 | Acre | \$23.44 | \$23.44 | \$2,343.95 |
| Equipment Investment | | | | | |
| Tractors/Self-Propelled | \$246.73 | Dollars | 7.00% | \$17.27 | \$1,727.13 |
| Implements | \$107.96 | Dollars | 7.00% | \$7.56 | \$755.72 |
| Cash Rent, Irrigated Vegetables | 1 | Acre | \$110.00 | \$110.00 | \$11,000.00 |
| Total Fixed Costs | | | | \$189.94 | \$18,993.97 |
| Total Specified Costs | | | | \$4,340.65 | \$434,065.44 |
| Returns Above Specified Costs | | | | \$2,409.35 | \$240,934.56 |
| Breakeven Price to Cover Total Costs | | | \$5.79 | Carton | |

| Example Breakeven Prices | | | |
|--------------------------|----------------------|-------------------------|----------------------|
| Example Yield Percent | Example Yield Carton | To Cover Variable Costs | To Cover Total Costs |
| 75% | 562.50 | \$7.38 | \$7.72 |
| 90% | 675.00 | \$6.15 | \$6.43 |
| 100% | 750.00 | \$5.53 | \$5.79 |
| 110% | 825.00 | \$5.03 | \$5.26 |
| 125% | 937.50 | \$4.43 | \$4.63 |

Developed by Samuel Zapata, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension, 956-968-5581.

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.