## 2024 Estimated Costs and Returns per Acre Irrigated Onions Southwest Extension District - 10

Crop Acres 122

| REVENUE   | •                                       |          |         |                 |                | Enterprise        |
|---|---|----------|---------|-----------------|----------------|-------------------|
| VARIABLE COSTS  | REVENUE                                 | Quantity | Units   | \$/Unit         | Total          | Total             |
| Maria   |   | 700.00   | Bags    | \$10.00         |                |                   |
| VARIBBE COSTS   Cuantity   Units   VUnit   Total   Total  | Total Revenue                           |          |         |                 | \$7,000.00     |                   |
| Fertilizer   LAN(32% N)   | VARIABLE COCTO                          | 0        | 11-14-  | ф/I I : +       | Takal          | •                 |
| Fertilizer   UAN(32% N)   |   | Quantity | Units   | \$/Unit         | rotar          | rotar             |
| UAN1329' N   0.34   |   |          |         |                 |                |                   |
| Fertilizer 18-46-0  |   | 0.34     | CW/T    | \$17.08         | <b>\$</b> 5.81 | \$708.48          |
| N-32 in Water   |   |          |         |                 |                |                   |
| HarvestPack/Market Onions   |   |          |         |                 |                |                   |
| Harvest/Pack/Market Onions   700   Bag   \$4.02   \$2,814.00   \$343,308.00     Insecticide   Mustang Max   15   Ounce   \$1.44   \$21.56   \$2,630.63     Seed   Onion Seed   2   Pound   \$310.50   \$621.00   \$75,762.00     Miscellaneous Onion Overhead   1   Acre   \$44.00   \$44.00   \$78,568.00     Miscellaneous Onion Overhead   1   Acre   \$644.00   \$644.00   \$78,568.00     Herbicide   Prefar   18   Ouart   \$17.44   \$313.88   \$38,292.75     Fungicides   Echo 720   9   Pint   \$5.70   \$51.30   \$6,258.60     Chther Labor   Hand Labor   4.375   Hour   \$8.50   \$37.19   \$4,536.88     Irrigation   Energy Cost   1584.00   kWh   \$0.17   \$269.28   \$32,852.16     Irrigation Labor   1584.00   kWh   \$0.17   \$269.28   \$32,852.16     Irrigation   Fractors/Self-Propelled   1.31   Hour   \$17.21   \$2.255   \$2,750.50     Other Labor   0.04   Hour   \$17.21   \$2.55   \$2,750.50     Other Labor   0.04   Hour   \$17.21   \$2.69   \$83.98     Diesel Fuel   Tractors/Self-Propelled   9.76   Gallon   \$3.60   \$35.14   \$4,286.59     Gasoline   Pickup/General Use Equipment   1   Acre   \$49.80   \$49.80   \$6,075.73     Repairs & Maintenance   Pickup/General Use Equipment   1   Acre   \$49.80   \$49.80   \$6,075.73     Repairs & Maintenance   Fickup/General Use Equipment   1   Acre   \$49.80   \$49.80   \$6,075.73     Tractors/Self-Propelled   1   Acre   \$49.80   \$49.80   \$6,075.73     Tractors/Self-Propelled   1   Acre   \$49.80   \$49.80   \$6,075.73     Tractors/Self-Propelled   1   Acre   \$49.80   \$6.0                          |   | 130      | round   | Ψ0.17           | Ψ20.21         | ψ3,137.30         |
| Mustang Max   |   | 700      | Rag     | \$4.02          | \$2.814.00     | \$343 308 00      |
| Mustang Max   |   | 700      | Dug     | Ψ1.02           | Ψ2,011.00      | φο 10,000.00      |
| Seed  |   | 15       | Ounce   | \$1.44          | \$21.56        | \$2.630.63        |
| Onion Seed         2         Pound         \$310.50         \$621.00         \$75,762.00           Miscellaneous Miscellaneous Onion Overhead Crop Insurance - Onions         1         Acre         \$4.00         \$4.80         \$488.00           Herbicide Prefar         18         Quart         \$17.44         \$313.88         \$38,292.75           Fungicides         Echo 720         9         Pint         \$5.70         \$51.30         \$6,258.60           Other Labor         Hand Labor         4.375         Hour         \$8.50         \$37.19         \$4,536.88           Irrigation         Energy Cost         1584.00         kWh         \$0.17         \$269.28         \$32,852.16           Irrigation Labor         0.19         Hour         \$17.50         \$3.36         \$409.92           Machinery Labor         1584.00         kWh         \$0.17         \$269.28         \$32,852.16           Tractors/Self-Propelled         1.31         Hour         \$17.21         \$22.55         \$2,750.50           Other Labor         7         Gallon         \$3.60         \$35.14         \$4,286.59           Gasoline         7         Fickup/General Use Equipment         1         Acre         \$49.80         \$49.80         \$6,075.73   |   |          |         | *****           | 7=             | 7-,               |
| Miscellaneous Onion Overhead Crop Insurance - Onions         1         Acre S644.00         \$4.00         \$488.00           Herbicide Prefar         18         Quart         \$17.44         \$313.88         \$38,292.75           Fungicides Echo 720         9         Pint         \$5.70         \$51.30         \$6,258.60           Other Labor Hand Labor Hand Labor Irrigation Labor Irrigation Labor Other Labor Irrigation Labor Other Labor Other Labor Other Labor Irrigation Labor Irrigation Labor Irrigation Labor Other Labor O   |   | 2        | Pound   | \$310.50        | \$621.00       | \$75,762.00       |
| Crop Insurance - Onions   | Miscellaneous                           |          |         |                 |                |                   |
| Herbicide   | Miscellaneous Onion Overhead            | 1        | Acre    | \$4.00          | \$4.00         | \$488.00          |
| Prefar   18   | Crop Insurance - Onions                 | 1        | Acre    | \$644.00        | \$644.00       | \$78,568.00       |
| Fungicides  | Herbicide                               |          |         |                 |                |                   |
| Echo 720  | Prefar                                  | 18       | Quart   | \$17.44         | \$313.88       | \$38,292.75       |
| Other Labor<br>Hand Labor         4.375<br>Brigation         Hour         \$8.50<br>\$37.19         \$34,536.88<br>\$4,536.88           Irrigation<br>Irrigation Labor         1584.00<br>Brigation Labor         kWh         \$0.17<br>\$17.50         \$33.60<br>\$409.92         \$32,852.16<br>\$409.92           Machinery Labor<br>Tractors/Self-Propelled         1.31<br>Tractors/Self-Propelled         1.31<br>Tractors/Self-Propelled         \$17.21<br>\$17.21         \$22.55<br>\$27,50.50         \$27,50.50           Diesel Fuel<br>Tractors/Self-Propelled         9.76<br>Gasoline         Gallon         \$3.60<br>\$3.60         \$35.14         \$4,286.59           Beasins & Maintenance<br>Pickup/General Use Equipment<br>Irrigation Equipment         1         Acre<br>\$14.93         \$14.93<br>\$14.93         \$18.20<br>\$13.25         \$18.20<br>\$25.40         \$25.40<br>\$3.098.21           Implements         1         Acre<br>\$14.93         \$14.93<br>\$14.93         \$18.20<br>\$18.20         \$22.20.24           Interest on Credit Line         2         80.09<br>\$10.40         \$18.20         \$22.20.24           Interest on Credit Line         80.09<br>\$10.40         \$1.20<br>\$1.84.93         \$14.93         \$11.29           FIXED COSTS         Quantity         Units         \$7.36         Bays         Enterprise           FIXED COSTS         Quantity         Units         \$41.18         \$41.18         \$5,023.35           Irrigation  | Fungicides                              |          |         |                 |                |                   |
| Hand Labor   Han  | Echo 720                                | 9        | Pint    | \$5.70          | \$51.30        | \$6,258.60        |
| Irrigation  | Other Labor                             |          |         |                 |                |                   |
| Energy Cost   1584.00   kWh   \$0.17   \$269.28   \$32,852.16     Irrigation Labor   0.19   Hour   \$17.50   \$3.36   \$409.92     Machinery Labor   Tractors/Self-Propelled   0.131   Hour   \$17.21   \$22.55   \$2,750.50     Other Labor   0.04   Hour   \$17.21   \$22.55   \$2,750.50     Other Labor   0.04   Hour   \$17.21   \$0.69   \$83.98     Diesel Fuel   Tractors/Self-Propelled   9.76   Gallon   \$3.60   \$35.14   \$4,286.59     Gasoline   Pickup/General Use Equipment   1   Acre   \$49.80   \$49.80   \$6,075.73     Repairs & Maintenance   Pickup/General Use Equipment   1   Acre   \$14.93   \$14.93   \$1,821.55     Tractors/Self-Propelled   1   Acre   \$14.93   \$14.93   \$1,821.55     Tractors/Self-Propelled   1   Acre   \$25.40   \$25.40   \$3,098.21     Implements   1   Acre   \$18.20   \$18.20   \$2,220.24     Interest on Credit Line   8   80.09   \$92.58   \$11,294.35     Total Variable Costs   \$7.36   Bays   Enterprise     FIXED COSTS   Quantity   Units   \$(Units   \$(Units   \$41.18   \$5,023.35     Irrigation Equipment   1   Acre   \$41.18   \$41.18   \$5,023.35     Irrigation Equipment   1   Acre   \$80.58   \$80.58   \$9,831.25     Tractors/Self-Propelled   1   Acre   \$29.70   \$3,623.67     Implements   1   Acre   \$21.48   \$21.48   \$2,620.65     Equipment Investment   Pickup/General Use Equipment   \$171.56   Dollars   \$8.00%   \$13.73   \$1,674.45     Irrigation Equipment   \$171.56   Dollars   \$8.00%   \$18.38   \$2,242.18     Implements   \$93.26   Dollars   \$8.00%   \$18.38   \$2,242.18     Implements   \$93.26   Dollars   \$8.00%   \$18.38   \$2,242.18     Implements   \$93.26   Dollars   \$8.00%   \$13.49   \$38,330.72     Total Specified Costs   \$1,531.11   \$186,794.95     Returns Above Specified Costs   \$1,531.11   \$186,794.95     Returns Above Specified Costs   \$1,531.11   \$186,794.95     Tractor Self-Propelled   \$1,531.11   \$186,794.95     Total Specified Costs   \$1,531.11   \$186,794.95     To   | Hand Labor                              | 4.375    | Hour    | \$8.50          | \$37.19        | \$4,536.88        |
| Irrigation Labor  | Irrigation                              |          |         |                 |                |                   |
| Machinery Labor   | Energy Cost                             | 1584.00  | kWh     | \$0.17          | \$269.28       | \$32,852.16       |
| Tractors/Self-Propelled   1.31   Hour   \$17.21   \$22.55   \$2,750.50   Other Labor   0.04   Hour   \$17.21   \$0.69   \$83.98   S83.98   Diesel Fuel   Tractors/Self-Propelled   9.76   Gallon   \$3.60   \$35.14   \$4,286.59   Gasoline   Pickup/General Use Equipment   1   Acre   \$49.80   \$49.80   \$6,075.73   Repairs & Maintenance   Pickup/General Use Equipment   1   Acre   \$14.93   \$14.93   \$14.93   \$1,821.55   Tractors/Self-Propelled   1   Acre   \$14.93   \$14.93   \$1,821.55   Tractors/Self-Propelled   1   Acre   \$25.40   \$25.40   \$3,098.21   Implements   1   Acre   \$18.20   \$18.20   \$2,220.24   Interest on Credit Line   \$2.00   \$2.51.05 | Irrigation Labor                        | 0.19     | Hour    | \$17.50         | \$3.36         | \$409.92          |
| Other Labor   Diesel Fuel   Tractors/Self-Propelled   9.76   Gallon   \$3.60   \$35.14   \$4,286.59   Gasoline   Pickup/General Use Equipment   1   Acre   \$49.80   \$49.80   \$6,075.73   Repairs & Maintenance   Pickup/General Use Equipment   1   Acre   \$14.93   \$14.93   \$1,821.55   Tractors/Self-Propelled   1   Acre   \$14.93   \$14.93   \$1,821.55   Tractors/Self-Propelled   1   Acre   \$14.93   \$14.93   \$1,821.55   Tractors/Self-Propelled   1   Acre   \$18.20   \$18.20   \$25.40   \$3,098.21   Implements   1   Acre   \$18.20   \$18.20   \$22.20.24   Interest on Credit Line   8.00%   \$92.58   \$11,294.35   \$11,294.35   \$11,294.35   \$11,294.35   \$11,294.35   \$11,294.35   \$11,294.35   \$11,294.35   \$11,294.35   \$1,845.29   \$225,125.67   \$1,845.29   \$1,845.29   \$225,125.67   \$1,845.29   \$1,845                  | Machinery Labor                         |          |         |                 |                |                   |
| Diesel Fuel   | Tractors/Self-Propelled                 |          | Hour    |                 |                | \$2,750.50        |
| Tractors/Self-Propelled   9.76   Gallon   \$3.60   \$35.14   \$4,286.59   |   | 0.04     | Hour    | \$17.21         | \$0.69         | \$83.98           |
| Repairs & Maintenance   |   |          |         |                 |                |                   |
| Pickup/General Use Equipment   1   Acre   \$49.80   \$49.80   \$6,075.73     Repairs & Maintenance  |   | 9.76     | Gallon  | \$3.60          | \$35.14        | \$4,286.59        |
| Repairs & Maintenance   |   |          |         |                 |                |                   |
| Pickup/General Use Equipment  | •                                       | 1        | Acre    | \$49.80         | \$49.80        | \$6,075.73        |
| Irrigation Equipment  | ·                                       |          | _       |                 | 4              |                   |
| Tractors/Self-Propelled   1   Acre   \$25.40   \$25.40   \$3,098.21   Implements   1   Acre   \$18.20   \$18.20   \$2,220.24   Interest on Credit Line   8.00%   \$92.58   \$11,294.35   \$11,294.    |   |          |         |                 |                |                   |
| Implements  | 9 , ,                                   |          |         |                 |                |                   |
| Interest on Credit Line   | ·                                       |          |         |                 |                |                   |
| State   Stat  | •                                       | 1        | Acre    |                 |                |                   |
| Planned Returns Above Variable Costs   \$1,845.29   \$225,125.67  |   |          |         | 8.00%           |                |                   |
| State   Stat  |   |          |         |                 | •              |                   |
| Pixed Costs   Quantity   Units   \$/Unit   Total   Total  |   |          |         |                 |                | \$225,125.67      |
| Nachinery Depreciation  | Breakeven Price to Cover Variable Costs |          |         | \$7.36          | Bags           |                   |
| Machinery Depreciation           Pickup/General Use Equipment         1         Acre         \$41.18         \$41.18         \$5,023.35           Irrigation Equipment         1         Acre         \$80.58         \$80.58         \$9,831.25           Tractors/Self-Propelled         1         Acre         \$29.70         \$29.70         \$3,623.67           Implements         1         Acre         \$21.48         \$21.48         \$2,620.65           Equipment Investment         Pickup/General Use Equipment         \$171.56         Dollars         8.00%         \$13.73         \$1,674.45           Irrigation Equipment         \$646.00         Dollars         8.00%         \$51.68         \$6,305.00           Tractors/Self-Propelled         \$229.73         Dollars         8.00%         \$18.38         \$2,242.18           Implements         \$93.26         Dollars         8.00%         \$7.46         \$910.17           Irrigated Winter Garden Rent         1         Acre         \$50.00         \$6,100.00           Total Specified Costs         \$314.19         \$38,330.72           \$5,468.89         \$667,205.05    Returns Above Specified Costs  \$\$1,531.11         \$186,794.95   | FIVER ACCTO                             |          |         | <b>6</b> /11 ** | <b>-</b>       | •                 |
| Pickup/General Use Equipment         1         Acre         \$41.18         \$41.18         \$5,023.35           Irrigation Equipment         1         Acre         \$80.58         \$80.58         \$9,831.25           Tractors/Self-Propelled         1         Acre         \$29.70         \$29.70         \$3,623.67           Implements         1         Acre         \$21.48         \$21.48         \$2,620.65           Equipment Investment         Pickup/General Use Equipment         \$171.56         Dollars         8.00%         \$13.73         \$1,674.45           Irrigation Equipment         \$646.00         Dollars         8.00%         \$51.68         \$6,305.00           Tractors/Self-Propelled         \$229.73         Dollars         8.00%         \$18.38         \$2,242.18           Implements         \$93.26         Dollars         8.00%         \$7.46         \$910.17           Irrigated Winter Garden Rent         1         Acre         \$50.00         \$6,100.00           Total Specified Costs         \$314.19         \$38,330.72           \$5,468.89         \$667,205.05    Returns Above Specified Costs            \$1,531.11         \$186,794.95  |   | Quantity | Units   | \$/Unit         | Total          | Total             |
| Irrigation Equipment  | , ·                                     | 4        | Λ       | ¢41 10          | ¢41 10         | <b>ቀ</b> ደ ሳሳን ን፫ |
| Tractors/Self-Propelled         1         Acre         \$29.70         \$29.70         \$3,623.67           Implements         1         Acre         \$21.48         \$21.48         \$21.48         \$2,620.65           Equipment Investment         800%         \$13.73         \$1,674.45<  |   |          |         |                 |                |                   |
| Implements  |   |          | _       |                 |                |                   |
| Equipment Investment         Pickup/General Use Equipment       \$171.56       Dollars       8.00%       \$13.73       \$1,674.45         Irrigation Equipment       \$646.00       Dollars       8.00%       \$51.68       \$6,305.00         Tractors/Self-Propelled       \$229.73       Dollars       8.00%       \$18.38       \$2,242.18         Implements       \$93.26       Dollars       8.00%       \$7.46       \$910.17         Irrigated Winter Garden Rent       1       Acre       \$50.00       \$50.00       \$6,100.00         Total Fixed Costs       \$314.19       \$38,330.72         Total Specified Costs       \$5,468.89       \$667,205.05    Returns Above Specified Costs \$1,531.11 \$186,794.95  |   |          |         |                 |                |                   |
| Pickup/General Use Equipment         \$171.56         Dollars         8.00%         \$13.73         \$1,674.45           Irrigation Equipment         \$646.00         Dollars         8.00%         \$51.68         \$6,305.00           Tractors/Self-Propelled         \$229.73         Dollars         8.00%         \$18.38         \$2,242.18           Implements         \$93.26         Dollars         8.00%         \$7.46         \$910.17           Irrigated Winter Garden Rent         1         Acre         \$50.00         \$50.00         \$6,100.00           Total Fixed Costs         \$314.19         \$38,330.72         \$5,468.89         \$667,205.05           Returns Above Specified Costs         \$1,531.11         \$186,794.95  | •                                       |          | Acre    | <b>⊅</b> ∠1.40  | <b>⊅</b> 21.40 | \$2,020.00        |
| Irrigation Equipment   \$646.00   Dollars   8.00%   \$51.68   \$6,305.00     Tractors/Self-Propelled   \$229.73   Dollars   8.00%   \$18.38   \$2,242.18     Implements   \$93.26   Dollars   8.00%   \$7.46   \$910.17     Irrigated Winter Garden Rent   1   Acre   \$50.00   \$50.00   \$6,100.00     Total Fixed Costs   \$314.19   \$38,330.72     Total Specified Costs   \$5,468.89   \$667,205.05     Returns Above Specified Costs   \$1,531.11   \$186,794.95   |   | ¢171 E6  | Dollara | 9 000/          | ¢12.72         | ¢1 674 45         |
| Tractors/Self-Propelled Implements         \$229.73         Dollars Popular         \$8.00%         \$18.38         \$2,242.18           Implements Implements         \$93.26         Dollars Popular         \$8.00%         \$7.46         \$910.17           Irrigated Winter Garden Rent Total Fixed Costs         1         Acre Popular         \$50.00         \$50.00         \$6,100.00           Total Specified Costs         \$314.19         \$38,330.72         \$5,468.89         \$667,205.05           Returns Above Specified Costs         \$1,531.11         \$186,794.95  |   |          |         |                 |                |                   |
| Implements  |   |          |         |                 |                |                   |
| Irrigated Winter Garden Rent         1         Acre         \$50.00         \$50.00         \$6,100.00           Total Fixed Costs         \$314.19         \$38,330.72           Total Specified Costs         \$5,468.89         \$667,205.05           Returns Above Specified Costs         \$1,531.11         \$186,794.95   | ·                                       |          |         |                 |                |                   |
| Total Fixed Costs         \$314.19         \$38,330.72           Total Specified Costs         \$5,468.89         \$667,205.05           Returns Above Specified Costs         \$1,531.11         \$186,794.95  | •                                       |          |         |                 |                |                   |
| Total Specified Costs         \$5,468.89         \$667,205.05           Returns Above Specified Costs         \$1,531.11         \$186,794.95   | •                                       | ļ        | Acre    | \$50.00         |                |                   |
| Returns Above Specified Costs \$1,531.11 \$186,794.95   |   |          |         |                 |                |                   |
|   | rotar Specified Costs                   |          |         |                 | \$5,468.89     | \$667,205.05      |
| Breakeven Price to Cover Total Costs \$7.81 Bags  | Returns Above Specified Costs           |          |         |                 | \$1,531.11     | \$186,794.95      |
|   | Breakeven Price to Cover Total Costs    |          |         | \$7.81          | Bags           |                   |

 $\label{lem:conomists} \textbf{Developed by Extension Economists, Texas A\&M AgriLife Extension Service, budgets@tamu.edu.}$ 

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.