

Table 27.A Estimated costs and returns per Acre  
Onions, Irrigated  
2012 Projected Costs and Returns per Acre

| ITEM                                   | UNIT  | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|----------------------------------------|-------|---------|----------|---------|-----------|
|                                        |       | dollars |          | dollars |           |
| INCOME                                 |       |         |          |         |           |
| onions                                 | bag   | 7.00    | 700.0000 | 4900.00 | _____     |
|                                        |       |         |          | -----   |           |
| TOTAL INCOME                           |       |         |          | 4900.00 | _____     |
| DIRECT EXPENSES                        |       |         |          |         |           |
| SEED                                   |       |         |          |         |           |
| seed onion                             | lb    | 60.00   | 3.0000   | 180.00  | _____     |
| CROP INSURANCE                         |       |         |          |         |           |
| insurance-onion                        | acre  | 40.00   | 1.0000   | 40.00   | _____     |
| FUNGICIDE                              |       |         |          |         |           |
| fungicide onion                        | acre  | 18.48   | 1.0000   | 18.48   | _____     |
| fungicide ridomil                      | acre  | 28.88   | 1.0000   | 28.88   | _____     |
| INSECTICIDE                            |       |         |          |         |           |
| insect onion                           | acre  | 8.40    | 5.0000   | 42.00   | _____     |
| FERTILIZER                             |       |         |          |         |           |
| nitrogen dry                           | lb    | 0.50    | 50.0000  | 25.00   | _____     |
| phospate                               | lb    | 0.65    | 100.0000 | 65.00   | _____     |
| nitrogen n32                           | lb    | 0.50    | 100.0000 | 50.00   | _____     |
| MISC ADMIN O/H                         |       |         |          |         |           |
| mis admin o/h onion                    | acre  | 4.00    | 1.0000   | 4.00    | _____     |
| HERBICIDES                             |       |         |          |         |           |
| herbicide onion1                       | acre  | 8.50    | 5.0000   | 42.50   | _____     |
| CUSTOM                                 |       |         |          |         |           |
| fertilizer appl                        | acre  | 5.75    | 1.0000   | 5.75    | _____     |
| consult fee veg                        | acre  | 12.00   | 1.0000   | 12.00   | _____     |
| pesticide appl veg                     | acre  | 5.50    | 4.0000   | 22.00   | _____     |
| harv pk mk onion                       | bag   | 4.25    | 700.0000 | 2975.00 | _____     |
| IRRIGATION                             |       |         |          |         |           |
| irrigation costs                       | ac/in | 7.00    | 24.0000  | 168.00  | _____     |
| OTHER LABOR                            |       |         |          |         |           |
| other labor                            | hour  | 10.00   | 4.3750   | 43.75   | _____     |
| OPERATOR LABOR                         |       |         |          |         |           |
| Tractors                               | hour  | 11.00   | 1.9047   | 20.95   | _____     |
| IRRIGATION LABOR                       |       |         |          |         |           |
| irr system 1                           | hour  | 11.00   | 1.2000   | 13.20   | _____     |
| DIESEL FUEL                            |       |         |          |         |           |
| Tractors                               | gal   | 3.30    | 13.2139  | 43.60   | _____     |
| GASOLINE                               |       |         |          |         |           |
| Pick-up, 3/4 ton                       | gal   | 3.20    | 0.9100   | 2.91    | _____     |
| REPAIR & MAINTENANCE                   |       |         |          |         |           |
| Implements                             | Acre  | 23.94   | 1.0000   | 23.94   | _____     |
| Tractors                               | Acre  | 24.59   | 1.0000   | 24.59   | _____     |
| Pick-up, 3/4 ton                       | acre  | 1.00    | 1.0000   | 1.00    | _____     |
| irr system 1                           | ac/in | 0.17    | 24.0000  | 4.08    | _____     |
| INTEREST ON OP. CAP.                   | Acre  | 46.34   | 1.0000   | 46.34   | _____     |
|                                        |       |         |          | -----   |           |
| TOTAL DIRECT EXPENSES                  |       |         |          | 3902.99 | _____     |
| RETURNS ABOVE DIRECT EXPENSES          |       |         |          | 997.00  | _____     |
| FIXED EXPENSES                         |       |         |          |         |           |
| Implements                             | Acre  | 44.20   | 1.0000   | 44.20   | _____     |
| Tractors                               | Acre  | 39.02   | 1.0000   | 39.02   | _____     |
| Pick-up, 3/4 ton                       | acre  | 3.60    | 1.0000   | 3.60    | _____     |
| irr system 1                           | ac/in | 0.20    | 24.0000  | 4.89    | _____     |
|                                        |       |         |          | -----   |           |
| TOTAL FIXED EXPENSES                   |       |         |          | 91.72   | _____     |
|                                        |       |         |          | -----   |           |
| TOTAL SPECIFIED EXPENSES               |       |         |          | 3994.71 | _____     |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES |       |         |          | 905.28  | _____     |
| ALLOCATED COST ITEMS                   |       |         |          |         |           |
| cash rent onion                        | acre  | 60.00   | 1.0000   | 60.00   | _____     |
| RESIDUAL RETURNS                       |       |         |          | 845.28  | _____     |

Table 27.B Estimated resource use and costs for field operations, per Acre  
 Onions, Irrigated  
 2012 Projected Costs and Returns per Acre

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | TRACTOR<br>SIZE | PERF<br>RATE | TIMES<br>OVER | MTH | TRACTOR COST      |       | EQUIP COST |       | ALLOC LABOR |       | OPERATING INPUT   |       |         | TOTAL<br>COST |
|-------------------------------|---------------|-----------------|--------------|---------------|-----|-------------------|-------|------------|-------|-------------|-------|-------------------|-------|---------|---------------|
|                               |               |                 |              |               |     | DIRECT            | FIXED | DIRECT     | FIXED | HOURS       | COST  | AMOUNT            | PRICE | COST    |               |
|                               |               |                 |              |               |     | -----dollars----- |       |            |       | dollars     |       | -----dollars----- |       |         |               |
| shredder                      |               | 100             | 0.130        | 1.00          | Sep | 3.73              | 2.10  | 0.61       | 0.86  | 0.130       | 1.43  |                   |       |         | 8.74          |
| offset disc                   | 12-foot       | 125             | 0.130        | 1.00          | Sep | 4.18              | 2.30  | 0.50       | 1.09  | 0.130       | 1.43  |                   |       |         | 9.51          |
| moldboard plow - 200          |               | 200             | 0.170        | 1.00          | Sep | 8.52              | 5.15  | 2.00       | 2.81  | 0.170       | 1.87  |                   |       |         | 20.36         |
| offset disc 20 ft             | 20 ft         | 200             | 0.103        | 1.00          | Sep | 5.16              | 3.12  | 5.02       | 9.23  | 0.103       | 1.13  |                   |       |         | 23.68         |
| nitrogen dry                  | lb            |                 |              |               |     |                   |       |            |       |             |       | 50.0000           | 0.50  | 25.00   | 25.00         |
| phosphate                     | lb            |                 |              |               |     |                   |       |            |       |             |       | 100.0000          | 0.65  | 65.00   | 65.00         |
| fertilizer appl               | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 5.75  | 5.75    | 5.75          |
| mis admin o/h onion           | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 4.00  | 4.00    | 4.00          |
| offset disc 20 ft             | 20 ft         | 200             | 0.103        | 1.00          | Oct | 5.16              | 3.12  | 5.02       | 9.23  | 0.103       | 1.13  |                   |       |         | 23.68         |
| offset disc 20 ft             | 20 ft         | 200             | 0.103        | 1.00          | Oct | 5.16              | 3.12  | 5.02       | 9.23  | 0.103       | 1.13  |                   |       |         | 23.68         |
| bedder                        | 6-row         | 100             | 0.114        | 1.00          | Oct | 3.27              | 1.84  | 0.60       | 1.10  | 0.114       | 1.25  |                   |       |         | 8.07          |
| irrigation costs              | ac/in         |                 |              |               |     |                   |       |            |       |             |       | 4.0000            | 7.00  | 28.00   | 28.00         |
| sprayer                       | 18 row        | 125             | 0.110        | 1.00          | Oct | 3.54              | 1.94  | 0.48       | 1.04  | 0.110       | 1.21  |                   |       |         | 8.22          |
| herbicide onion1              | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 8.50  | 8.50    | 8.50          |
| insect onion                  | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 8.40  | 8.40    | 8.40          |
| consult fee veg               | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 12.00 | 12.00   | 12.00         |
| bed shapper                   |               | 125             | 0.130        | 1.00          | Oct | 4.18              | 2.30  | 0.48       | 0.89  | 0.130       | 1.43  |                   |       |         | 9.30          |
| rodweeder                     |               | 100             | 0.128        | 1.00          | Oct | 3.70              | 2.08  | 0.21       | 0.39  | 0.128       | 1.41  |                   |       |         | 7.81          |
| planter - monosend            |               | 125             | 0.150        | 1.00          | Nov | 4.82              | 2.65  | 0.90       | 1.65  | 0.150       | 1.65  |                   |       |         | 11.69         |
| seed onion                    | lb            |                 |              |               |     |                   |       |            |       |             |       | 3.0000            | 60.00 | 180.00  | 180.00        |
| irrigation costs              | ac/in         |                 |              | 1.00          | Nov |                   |       |            |       |             |       | 4.0000            | 7.00  | 28.00   | 28.00         |
| cultivator 8 row              | 8 row         | 125             | 0.103        | 1.00          | Nov | 3.31              | 1.82  | 0.63       | 1.37  | 0.103       | 1.13  |                   |       |         | 8.28          |
| nitrogen n32                  | lb            |                 |              |               |     |                   |       |            |       |             |       | 50.0000           | 0.50  | 25.00   | 25.00         |
| irrigation costs              | ac/in         |                 |              | 1.00          | Jan |                   |       |            |       |             |       | 3.0000            | 7.00  | 21.00   | 21.00         |
| cultivator 8 row              | 8 row         | 125             | 0.103        | 1.00          | Jan | 3.31              | 1.82  | 0.63       | 1.37  | 0.103       | 1.13  |                   |       |         | 8.28          |
| nitrogen n32                  | lb            |                 |              |               |     |                   |       |            |       |             |       | 50.0000           | 0.50  | 25.00   | 25.00         |
| Pick-up, 3/4 ton              | acre          |                 |              | 1.00          | Jan |                   |       | 3.91       | 3.60  |             |       | 1.0000            |       |         | 7.51          |
| irrigation costs              | ac/in         |                 |              | 1.00          | Feb |                   |       |            |       |             |       | 3.0000            | 7.00  | 21.00   | 21.00         |
| fungicide onion               | acre          |                 |              | 1.00          | Feb |                   |       |            |       |             |       | 1.0000            | 18.48 | 18.48   | 18.48         |
| insect onion                  | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 8.40  | 8.40    | 8.40          |
| pesticide appl veg            | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 5.50  | 5.50    | 5.50          |
| cultivator 8 row              | 8 row         | 125             | 0.103        | 1.00          | Feb | 3.31              | 1.82  | 0.63       | 1.37  | 0.103       | 1.13  |                   |       |         | 8.28          |
| irrigation costs              | ac/in         |                 |              | 1.00          | Mar |                   |       |            |       |             |       | 3.0000            | 7.00  | 21.00   | 21.00         |
| insect onion                  | acre          |                 |              | 1.00          | Mar |                   |       |            |       |             |       | 1.0000            | 8.40  | 8.40    | 8.40          |
| pesticide appl veg            | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 5.50  | 5.50    | 5.50          |
| cultivator 8 row              | 8 row         | 125             | 0.103        | 1.00          | Mar | 3.31              | 1.82  | 0.63       | 1.37  | 0.103       | 1.13  |                   |       |         | 8.28          |
| herbicide onion1              | acre          |                 |              |               |     |                   |       |            |       |             |       | 2.0000            | 8.50  | 17.00   | 17.00         |
| irrigation costs              | ac/in         |                 |              | 1.00          | Apr |                   |       |            |       |             |       | 3.0000            | 7.00  | 21.00   | 21.00         |
| insect onion                  | acre          |                 |              | 1.00          | Apr |                   |       |            |       |             |       | 1.0000            | 8.40  | 8.40    | 8.40          |
| pesticide appl veg            | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 5.50  | 5.50    | 5.50          |
| other labor                   | hour          |                 |              | 1.00          | Apr |                   |       |            |       |             |       | 4.3750            | 10.00 | 43.75   | 43.75         |
| sprayer                       | 12-foot       | 100             | 0.120        | 1.00          | Apr | 3.44              | 1.94  | 0.52       | 1.14  | 0.120       | 1.32  |                   |       |         | 8.37          |
| herbicide onion1              | acre          |                 |              |               |     |                   |       |            |       |             |       | 2.0000            | 8.50  | 17.00   | 17.00         |
| irrigation costs              | ac/in         |                 |              | 1.00          | May |                   |       |            |       |             |       | 2.0000            | 7.00  | 14.00   | 14.00         |
| insect onion                  | acre          |                 |              | 1.00          | May |                   |       |            |       |             |       | 1.0000            | 8.40  | 8.40    | 8.40          |
| fungicide ridomil             | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 28.88 | 28.88   | 28.88         |
| pesticide appl veg            | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 5.50  | 5.50    | 5.50          |
| irrigation costs              | ac/in         |                 |              | 1.00          | May |                   |       |            |       |             |       | 2.0000            | 7.00  | 14.00   | 14.00         |
| irr system 1                  | ac/in         |                 |              | 1.00          | Jun |                   |       | 4.08       | 4.89  | 1.200       | 13.20 | 24.0000           |       |         | 22.17         |
| harv pk mk onion              | bag           |                 |              |               |     |                   |       |            |       |             |       | 700.0000          | 4.25  | 2975.00 | 2975.00       |
| insurance-onion               | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 40.00 | 40.00   | 40.00         |
| TOTALS                        |               |                 |              |               |     | 68.19             | 39.02 | 31.93      | 52.70 | 3.104       | 34.15 |                   |       | 3722.36 | 3948.36       |
| INTEREST ON OPERATING CAPITAL |               |                 |              |               |     |                   |       |            |       |             |       |                   |       |         | 46.34         |
| UNALLOCATED LABOR             |               |                 |              |               |     |                   |       |            |       |             |       |                   |       |         | 0.00          |
| TOTAL SPECIFIED COST          |               |                 |              |               |     |                   |       |            |       |             |       |                   |       |         | 3994.71       |