

Table 27.A Estimated costs and returns per Acre  
Processed Beets, Irrigated  
2005 Projected Costs and Returns per Acre

| ITEM                                   | UNIT  | PRICE   | QUANTITY | AMOUNT  | YOUR FARM |
|--|-------|---------|----------|---------|-----------|
|  |       | dollars |          | dollars |           |
| INCOME                                 |       |         |          |         |           |
| beets                                  | ton   | 40.00   | 15.0000  | 600.00  | _____     |
|  |       |         |          | -----   |           |
| TOTAL INCOME                           |       |         |          | 600.00  | _____     |
| DIRECT EXPENSES                        |       |         |          |         |           |
| SEED                                   |       |         |          |         |           |
| seed beet                              | lb    | 50.00   | 1.0000   | 50.00   | _____     |
| CROP INSURANCE                         |       |         |          |         |           |
| crop insurance-NAP                     | acre  | 2.00    | 1.0000   | 2.00    | _____     |
| FUNGICIDE                              |       |         |          |         |           |
| fungicide beet                         | acre  | 7.00    | 1.0000   | 7.00    | _____     |
| FERTILIZER                             |       |         |          |         |           |
| nitrogen n32                           | lb    | 0.34    | 124.0000 | 42.16   | _____     |
| phosphate                              | lb    | 0.38    | 80.0000  | 30.72   | _____     |
| MISC ADMIN O/H                         |       |         |          |         |           |
| mis admin o/h                          | acre  | 3.00    | 1.0000   | 3.00    | _____     |
| SOIL ADMENDMENT                        |       |         |          |         |           |
| boron                                  | acre  | 7.00    | 2.0000   | 14.00   | _____     |
| HERBICIDES                             |       |         |          |         |           |
| herbicide beets                        | acre  | 25.00   | 1.0000   | 25.00   | _____     |
| CUSTOM                                 |       |         |          |         |           |
| herb appl                              | acre  | 4.50    | 1.0000   | 4.50    | _____     |
| fungicide appl beet                    | acre  | 4.50    | 3.0000   | 13.50   | _____     |
| IRRIGATION                             |       |         |          |         |           |
| irrigation costs                       | ac/in | 5.00    | 15.0000  | 75.00   | _____     |
| OPERATOR LABOR                         |       |         |          |         |           |
| Tractors                               | hour  | 8.90    | 1.6100   | 14.32   | _____     |
| IRRIGATION LABOR                       |       |         |          |         |           |
| irr system 1                           | hour  | 8.90    | 0.7500   | 6.67    | _____     |
| DIESEL FUEL                            |       |         |          |         |           |
| Tractors                               | gal   | 1.60    | 11.0090  | 17.61   | _____     |
| GASOLINE                               |       |         |          |         |           |
| Pick-up, 3/4 ton                       | gal   | 2.15    | 0.9100   | 1.95    | _____     |
| REPAIR & MAINTENANCE                   |       |         |          |         |           |
| Implements                             | Acre  | 12.85   | 1.0000   | 12.85   | _____     |
| Tractors                               | Acre  | 17.84   | 1.0000   | 17.84   | _____     |
| Pick-up, 3/4 ton                       | acre  | 1.00    | 1.0000   | 1.00    | _____     |
| irr system 1                           | ac/in | 0.17    | 15.0000  | 2.55    | _____     |
| INTEREST ON OP. CAP.                   | Acre  | 7.74    | 1.0000   | 7.74    | _____     |
|  |       |         |          | -----   |           |
| TOTAL DIRECT EXPENSES                  |       |         |          | 349.45  | _____     |
| RETURNS ABOVE DIRECT EXPENSES          |       |         |          | 250.54  | _____     |
| FIXED EXPENSES                         |       |         |          |         |           |
| Implements                             | Acre  | 25.77   | 1.0000   | 25.77   | _____     |
| Tractors                               | Acre  | 30.50   | 1.0000   | 30.50   | _____     |
| Pick-up, 3/4 ton                       | acre  | 3.00    | 1.0000   | 3.00    | _____     |
| irr system 1                           | ac/in | 0.17    | 15.0000  | 2.55    | _____     |
|  |       |         |          | -----   |           |
| TOTAL FIXED EXPENSES                   |       |         |          | 61.83   | _____     |
|  |       |         |          | -----   |           |
| TOTAL SPECIFIED EXPENSES               |       |         |          | 411.28  | _____     |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES |       |         |          | 188.71  | _____     |
| ALLOCATED COST ITEMS                   |       |         |          |         |           |
| cash rent beets                        | acre  | 40.00   | 1.0000   | 40.00   | _____     |
| RESIDUAL RETURNS                       |       |         |          | 148.71  | _____     |

Projections for Planning Purposes Only  
Not to be Used without Updating after October 15, 2004

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Table 27.B Estimated resource use and costs for field operations, per Acre  
Processed Beets, Irrigated  
2005 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             | 0.199        | 1.00          | Sep | 3.81              | 3.58  | 0.58       | 0.91  | 0.199       | 1.77  |                   |       |        | 10.68         |
| moleboard plow veg2           |               | 150             | 0.169        | 1.00          | Sep | 3.74              | 2.81  | 1.25       | 1.96  | 0.169       | 1.51  |                   |       |        | 11.28         |
| offset disc 20 ft             | 20 ft         | 200             | 0.103        | 1.00          | Sep | 2.72              | 2.11  | 3.09       | 6.43  | 0.103       | 0.91  |                   |       |        | 15.27         |
| land plane                    |               | 100             | 0.190        | 1.00          | Sep | 3.66              | 3.44  | 1.06       | 2.20  | 0.190       | 1.69  |                   |       |        | 12.07         |
| offset disc 20 ft             | 20 ft         | 200             | 0.103        | 1.00          | Nov | 2.72              | 2.11  | 3.09       | 6.43  | 0.103       | 0.91  |                   |       |        | 15.27         |
| bed shapper                   |               | 125             | 0.190        | 1.00          | Jan | 4.40              | 4.03  | 0.44       | 0.91  | 0.190       | 1.69  |                   |       |        | 11.49         |
| nitrogen n32                  | lb            |                 |              | 1.00          | Jan |                   |       |            |       |             |       | 64.0000           | 0.34  | 21.76  | 21.76         |
| phospate                      | lb            |                 |              |               |     |                   |       |            |       |             |       | 80.0000           | 0.38  | 30.72  | 30.72         |
| bedder                        | 6-row         | 100             | 0.114        | 1.00          | Jan | 2.18              | 2.05  | 0.36       | 0.76  | 0.114       | 1.01  |                   |       |        | 6.39          |
| irrigation costs              | ac/in         |                 |              |               |     |                   |       |            |       |             |       | 3.0000            | 5.00  | 15.00  | 15.00         |
| planter                       | 6 row         | 150             | 0.229        | 1.00          | Jan | 5.06              | 3.80  | 1.35       | 2.82  | 0.229       | 2.04  |                   |       |        | 15.09         |
| seed beet                     | lb            |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 50.00 | 50.00  | 50.00         |
| herbicide beets               | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 25.00 | 25.00  | 25.00         |
| crop insurance-NAP            | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 2.00  | 2.00   | 2.00          |
| herb appl                     | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 4.50  | 4.50   | 4.50          |
| cultivator 8 row              | 8 row         | 125             | 0.103        | 1.00          | Jan | 2.37              | 2.17  | 0.53       | 1.10  | 0.103       | 0.91  |                   |       |        | 7.10          |
| Pick-up, 3/4 ton              | acre          |                 |              | 1.00          | Jan |                   |       | 2.95       | 3.00  |             |       | 1.0000            |       |        | 5.95          |
| irrigation costs              | ac/in         |                 |              |               |     |                   |       |            |       |             |       | 3.0000            | 5.00  | 15.00  | 15.00         |
| fungicide beet                | acre          |                 |              | 1.00          | Feb |                   |       |            |       |             |       | 1.0000            | 7.00  | 7.00   | 7.00          |
| fungicide appl beet           | acre          |                 |              |               |     |                   |       |            |       |             |       | 1.0000            | 4.50  | 4.50   | 4.50          |
| irrigation costs              | ac/in         |                 |              | 1.00          | Feb |                   |       |            |       |             |       | 3.0000            | 5.00  | 15.00  | 15.00         |
| cultivator 8 row              | 8 row         | 125             | 0.103        | 1.00          | Mar | 2.37              | 2.17  | 0.53       | 1.10  | 0.103       | 0.91  |                   |       |        | 7.10          |
| irrigation costs              | ac/in         |                 |              | 1.00          | Mar |                   |       |            |       |             |       | 3.0000            | 5.00  | 15.00  | 15.00         |
| nitrogen n32                  | lb            |                 |              |               |     |                   |       |            |       |             |       | 60.0000           | 0.34  | 20.40  | 20.40         |
| mis admin o/h                 | acre          |                 |              | 1.00          | Mar |                   |       |            |       |             |       | 1.0000            | 3.00  | 3.00   | 3.00          |
| boron                         | acre          |                 |              | 1.00          | Apr |                   |       |            |       |             |       | 2.0000            | 7.00  | 14.00  | 14.00         |
| fungicide appl beet           | acre          |                 |              |               |     |                   |       |            |       |             |       | 2.0000            | 4.50  | 9.00   | 9.00          |
| cultivator 8 row              | 8 row         | 125             | 0.103        | 1.00          | Apr | 2.37              | 2.17  | 0.53       | 1.10  | 0.103       | 0.91  |                   |       |        | 7.10          |
| irr system 1                  | ac/in         |                 |              | 1.00          | Apr |                   |       | 2.55       | 2.55  | 0.750       | 6.67  | 15.0000           |       |        | 11.77         |
| irrigation costs              | ac/in         |                 |              |               |     |                   |       |            |       |             |       | 3.0000            | 5.00  | 15.00  | 15.00         |
| TOTALS                        |               |                 |              |               |     | 35.46             | 30.50 | 18.36      | 31.32 | 2.360       | 21.00 |                   |       | 266.88 | 403.54        |
| INTEREST ON OPERATING CAPITAL |               |                 |              |               |     |                   |       |            |       |             |       |                   |       |        | 7.74          |
| UNALLOCATED LABOR             |               |                 |              |               |     |                   |       |            |       |             |       |                   |       |        | 0.00          |
| TOTAL SPECIFIED COST          |               |                 |              |               |     |                   |       |            |       |             |       |                   |       |        | 411.28        |