

Table 19.A Estimated costs and returns per acre  
Grapefruit; Year 2 Orchard Establishment, Flood Irr.  
Projected for 2011, Rio Grande Valley, For Planning Purpose

| ITEM                                   | UNIT   | PRICE   | QUANTITY | AMOUNT   | YOUR FARM |
|--|--------|---------|----------|----------|-----------|
|  |        | dollars |          | dollars  |           |
| INCOME                                 |        |         |          |          |           |
| Grapefruit (Rio Red)                   | tons   | 100.00  | 0.2000   | 20.00    | _____     |
|  |        |         |          | -----    |           |
| TOTAL INCOME                           |        |         |          | 20.00    | _____     |
| DIRECT EXPENSES                        |        |         |          |          |           |
| FERTILIZER                             |        |         |          |          |           |
| Amm Sulfate (21% N)                    | cwt    | 16.00   | 3.4200   | 54.72    | _____     |
| HERBICIDE                              |        |         |          |          |           |
| Simizine 90DF                          | gallon | 20.47   | 5.0000   | 102.35   | _____     |
| Krovar I 80 DF                         | lb     | 18.00   | 3.0000   | 54.00    | _____     |
| INSECTICIDE/MITICIDE                   |        |         |          |          |           |
| Vydate                                 | gal    | 88.32   | 0.0625   | 5.52     | _____     |
| Vendex                                 | lb     | 30.91   | 6.0000   | 185.46   | _____     |
| Citrus Oil                             | gal    | 3.36    | 5.0000   | 16.80    | _____     |
| Agri-Mek                               | gal    | 873.60  | 0.0540   | 47.17    | _____     |
| IRRIGATION SUPPLIES                    |        |         |          |          |           |
| Irrigation Water                       | ac-ft  | 20.00   | 1.2000   | 24.00    | _____     |
| ADJUVANT                               |        |         |          |          |           |
| Surfactant                             | pt     | 1.21    | 2.0000   | 2.42     | _____     |
| CUSTOM ORCHD. SPRAY                    |        |         |          |          |           |
| Lorsban 4E                             | pt     | 4.19    | 8.0000   | 33.52    | _____     |
| INSURANCE                              |        |         |          |          |           |
| Grapefruit, Year 2                     | acre   | 70.00   | 1.0000   | 70.00    | _____     |
| CUSTOM ORCHARD OPS.                    |        |         |          |          |           |
| Tree Replacement                       | tree   | 8.80    | 1.0000   | 8.80     | _____     |
| Custom Fert. Citrus                    | acre   | 4.40    | 2.0000   | 8.80     | _____     |
| Custom Orchard Spray                   | acre   | 38.50   | 4.0000   | 154.00   | _____     |
| OPERATOR LABOR                         |        |         |          |          |           |
| Tractors                               | hour   | 7.50    | 0.1220   | 0.91     | _____     |
| HAND LABOR                             |        |         |          |          |           |
| Implements                             | hour   | 7.50    | 0.0610   | 0.45     | _____     |
| IRRIGATION LABOR                       |        |         |          |          |           |
| Labor (Flood)                          | hour   | 7.50    | 3.0000   | 22.50    | _____     |
| UNALLOCATED LABOR                      | hour   | 7.50    | 0.0122   | 0.09     | _____     |
| DIESEL FUEL                            |        |         |          |          |           |
| Tractors                               | gal    | 2.50    | 0.9419   | 2.35     | _____     |
| REPAIR & MAINTENANCE                   |        |         |          |          |           |
| Implements                             | acre   | 0.27    | 1.0000   | 0.27     | _____     |
| Tractors                               | acre   | 0.64    | 1.0000   | 0.64     | _____     |
| INTEREST ON OP. CAP.                   | acre   | 44.55   | 1.0000   | 44.55    | _____     |
|  |        |         |          | -----    |           |
| TOTAL DIRECT EXPENSES                  |        |         |          | 839.36   | _____     |
| RETURNS ABOVE DIRECT EXPENSES          |        |         |          | -819.36  | _____     |
| FIXED EXPENSES                         |        |         |          |          |           |
| Implements                             | acre   | 0.40    | 1.0000   | 0.40     | _____     |
| Tractors                               | acre   | 1.94    | 1.0000   | 1.94     | _____     |
| Permanent Valve Irr.                   | acre   | 45.00   | 1.0000   | 45.00    | _____     |
| Year 1 Est. Costs                      | acre   | 209.04  | 1.0000   | 209.04   | _____     |
|  |        |         |          | -----    |           |
| TOTAL FIXED EXPENSES                   |        |         |          | 256.38   | _____     |
|  |        |         |          | -----    |           |
| TOTAL SPECIFIED EXPENSES               |        |         |          | 1095.74  | _____     |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES |        |         |          | -1075.74 | _____     |
| ALLOCATED COST ITEMS                   |        |         |          |          |           |
| Land Cost, Orchard                     | acre   | 150.00  | 1.0000   | 150.00   | _____     |
| RESIDUAL RETURNS                       |        |         |          | -1225.74 | _____     |

Brand names are mentioned only as examples and imply no endorsement.

Projections for Planning Purposes Only  
 Not to be Used without Updating after January 1, 2011

B-1241 (C12)

Table 19.B Estimated resource use and costs for field operations, per acre  
 Grapefruit; Year 2 Orchard Establishment, Flood Irr.  
 Projected for 2011, Rio Grande Valley, For Planning Purposes Only

| OPERATION/<br>OPERATING INPUT | SIZE/<br>UNIT | TRACTOR<br>SIZE | PERF TIMES |      |     | TRACTOR COST      |       | EQUIP COST |        | ALLOC LABOR |       | OPERATING INPUT   |        |        | TOTAL<br>COST |
|-------------------------------|---------------|-----------------|------------|------|-----|-------------------|-------|------------|--------|-------------|-------|-------------------|--------|--------|---------------|
|                               |               |                 | RATE       | OVER | MTH | DIRECT            | FIXED | DIRECT     | FIXED  | HOURS       | COST  | AMOUNT            | PRICE  | COST   |               |
|                               |               |                 |            |      |     | -----dollars----- |       |            |        | dollars     |       | -----dollars----- |        |        |               |
| Year 1 Est. Costs             | acre          |                 | 1.00       | Jan  |     |                   |       | 209.04     |        |             |       | 1.0000            |        |        | 209.04        |
| Permanent Valve Irr.          | acre          |                 | 1.00       | Jan  |     |                   |       | 45.00      |        |             |       | 1.0000            |        |        | 45.00         |
| Tree Replacement              | tree          |                 | 1.00       | Feb  |     |                   |       |            |        |             |       | 1.0000            | 8.80   | 8.80   | 8.80          |
| Custom Fert. Citrus           | acre          |                 | 1.00       | Mar  |     |                   |       |            |        |             |       | 1.0000            | 4.40   | 4.40   | 4.40          |
| Amm Sulfate (21% N)           | cwt           |                 |            |      |     |                   |       |            |        |             |       | 1.7100            | 16.00  | 27.36  | 27.36         |
| Spray (Broadcast)             | 27'           | 150 hp          | 0.061      | 1.00 | Mar | 1.50              | 0.97  | 0.13       | 0.20   | 0.091       | 0.68  |                   |        |        | 3.49          |
| Simizine 90DF                 | gallon        |                 |            |      |     |                   |       |            |        |             |       | 5.0000            | 20.47  | 102.35 | 102.35        |
| Grapefruit, Year 2            | acre          |                 | 1.00       | Mar  |     |                   |       |            |        |             |       | 1.0000            | 70.00  | 70.00  | 70.00         |
| Custom Orchard Spray          | acre          |                 | 1.00       | Apr  |     |                   |       |            |        |             |       | 1.0000            | 38.50  | 38.50  | 38.50         |
| Vydate                        | gal           |                 |            |      |     |                   |       |            |        |             |       | 0.0625            | 88.32  | 5.52   | 5.52          |
| Vendex                        | lb            |                 |            |      |     |                   |       |            |        |             |       | 2.0000            | 30.91  | 61.82  | 61.82         |
| Surfactant                    | pt            |                 |            |      |     |                   |       |            |        |             |       | 1.0000            | 1.21   | 1.21   | 1.21          |
| Labor (Flood)                 | hour          |                 | 1.00       | Apr  |     |                   |       |            |        | 1.000       | 7.50  | 1.0000            |        |        | 7.50          |
| Irrigation Water              | ac-ft         |                 |            |      |     |                   |       |            |        |             |       | 0.4000            | 20.00  | 8.00   | 8.00          |
| Custom Orchard Spray          | acre          |                 | 1.00       | May  |     |                   |       |            |        |             |       | 1.0000            | 38.50  | 38.50  | 38.50         |
| Vendex                        | lb            |                 |            |      |     |                   |       |            |        |             |       | 2.0000            | 30.91  | 61.82  | 61.82         |
| Lorsban 4E                    | pt            |                 |            |      |     |                   |       |            |        |             |       | 4.0000            | 4.19   | 16.76  | 16.76         |
| Custom Orchard Spray          | acre          |                 | 1.00       | Jul  |     |                   |       |            |        |             |       | 1.0000            | 38.50  | 38.50  | 38.50         |
| Citrus Oil                    | gal           |                 |            |      |     |                   |       |            |        |             |       | 5.0000            | 3.36   | 16.80  | 16.80         |
| Agri-Mek                      | gal           |                 |            |      |     |                   |       |            |        |             |       | 0.0540            | 873.60 | 47.17  | 47.17         |
| Spray (Broadcast)             | 27'           | 150 hp          | 0.061      | 1.00 | Jul | 1.50              | 0.97  | 0.13       | 0.20   | 0.091       | 0.68  |                   |        |        | 3.49          |
| Krovar I 80 DF                | lb            |                 |            |      |     |                   |       |            |        |             |       | 3.0000            | 18.00  | 54.00  | 54.00         |
| Labor (Flood)                 | hour          |                 | 1.00       | Jul  |     |                   |       |            |        | 1.000       | 7.50  | 1.0000            |        |        | 7.50          |
| Irrigation Water              | ac-ft         |                 |            |      |     |                   |       |            |        |             |       | 0.4000            | 20.00  | 8.00   | 8.00          |
| Custom Fert. Citrus           | acre          |                 | 1.00       | Aug  |     |                   |       |            |        |             |       | 1.0000            | 4.40   | 4.40   | 4.40          |
| Amm Sulfate (21% N)           | cwt           |                 |            |      |     |                   |       |            |        |             |       | 1.7100            | 16.00  | 27.36  | 27.36         |
| Labor (Flood)                 | hour          |                 | 1.00       | Sep  |     |                   |       |            |        | 1.000       | 7.50  | 1.0000            |        |        | 7.50          |
| Irrigation Water              | ac-ft         |                 |            |      |     |                   |       |            |        |             |       | 0.4000            | 20.00  | 8.00   | 8.00          |
| Custom Orchard Spray          | acre          |                 | 1.00       | Sep  |     |                   |       |            |        |             |       | 1.0000            | 38.50  | 38.50  | 38.50         |
| Vendex                        | lb            |                 |            |      |     |                   |       |            |        |             |       | 2.0000            | 30.91  | 61.82  | 61.82         |
| Lorsban 4E                    | pt            |                 |            |      |     |                   |       |            |        |             |       | 4.0000            | 4.19   | 16.76  | 16.76         |
| Surfactant                    | pt            |                 |            |      |     |                   |       |            |        |             |       | 1.0000            | 1.21   | 1.21   | 1.21          |
| Pick/Pack/Ship                | crtm          |                 | 1.00       | Dec  |     |                   |       |            |        |             |       | 10.0000           |        |        |               |
| TOTALS                        |               |                 |            |      |     | 3.00              | 1.94  | 0.27       | 254.44 | 3.183       | 23.87 |                   |        | 767.56 | 1051.09       |
| INTEREST ON OPERATING CAPITAL |               |                 |            |      |     |                   |       |            |        |             |       |                   |        |        | 44.55         |
| UNALLOCATED LABOR             |               |                 |            |      |     |                   |       |            |        |             |       |                   |        |        | 0.09          |
| TOTAL SPECIFIED COST          |               |                 |            |      |     |                   |       |            |        |             |       |                   |        |        | 1095.74       |

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