

Table 21.A Estimated costs and returns per acre
Grapefruit; Year 4 Orchard Development, Flood Irr.
Projected for 2009, Rio Grande Valley, For Planning Purpose

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|--|--------|---------|----------|---------|-----------|
| | | dollars | | dollars | |
| INCOME | | | | | |
| Grapefruit (Rio Red) | tons | 88.88 | 6.0000 | 533.28 | _____ |
| | | | | ----- | |
| TOTAL INCOME | | | | 533.28 | _____ |
| DIRECT EXPENSES | | | | | |
| FERTILIZER | | | | | |
| Amm Sulfate (21% N) | cwt | 36.00 | 7.1400 | 257.04 | _____ |
| HERBICIDE | | | | | |
| Simazine 90DF | gallon | 3.58 | 5.0000 | 17.90 | _____ |
| Krovar I 80 DF | lb | 14.08 | 3.0000 | 42.24 | _____ |
| INSECTICIDE/MITICIDE | | | | | |
| Vydate | gal | 76.80 | 0.0625 | 4.80 | _____ |
| Vendex | lb | 29.44 | 6.0000 | 176.64 | _____ |
| Citrus Oil | gal | 3.20 | 5.0000 | 16.00 | _____ |
| Agri-Mek | gal | 832.00 | 0.0540 | 44.92 | _____ |
| IRRIGATION SUPPLIES | | | | | |
| Irrigation Water | ac-ft | 20.00 | 1.2000 | 24.00 | _____ |
| ADJUVANT | | | | | |
| Surfactant | pt | 1.12 | 2.0000 | 2.24 | _____ |
| CUSTOM ORCHD. SPRAY | | | | | |
| Lorsban 4E | pt | 7.13 | 8.0000 | 57.04 | _____ |
| INSURANCE | | | | | |
| Established Grapefrt | acre | 115.00 | 1.0000 | 115.00 | _____ |
| CUSTOM ORCHARD OPS. | | | | | |
| 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 | 2.80 | 0.9419 | 2.63 | _____ |
| REPAIR & MAINTENANCE | | | | | |
| Implements | acre | 0.27 | 1.0000 | 0.27 | _____ |
| Tractors | acre | 0.64 | 1.0000 | 0.64 | _____ |
| INTEREST ON OP. CAP. | acre | 53.14 | 1.0000 | 53.14 | _____ |
| | | | | ----- | |
| TOTAL DIRECT EXPENSES | | | | 1001.29 | _____ |
| RETURNS ABOVE DIRECT EXPENSES | | | | -468.01 | _____ |
| 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 | | | | 1257.67 | _____ |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES | | | | -724.39 | _____ |
| ALLOCATED COST ITEMS | | | | | |
| Land Cost, Orchard | acre | 150.00 | 1.0000 | 150.00 | _____ |
| RESIDUAL RETURNS | | | | -874.39 | _____ |

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, 2009

B-1241 (C12)

Table 21.B Estimated resource use and costs for field operations, per acre
Grapefruit; Year 4 Orchard Development, Flood Irr.
Projected for 2009, Rio Grande Valley, For Planning Purposes Only

| OPERATION/ OPERATING INPUT | SIZE/ UNIT | TRACTOR SIZE | PERF RATE | TIMES OVER | MTH | TRACTOR COST | | EQUIP COST | | ALLOC LABOR | | OPERATING INPUT | | | TOTAL COST |
|-------------------------------|---------------|-----------------|--------------|---------------|-----|-------------------|-------|------------|--------|-------------|-------|-------------------|--------|--------|---------------|
| | | | | | | 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 |
| Custom Fert. Citrus | acre | | | 1.00 | Feb | | | | | | | 1.0000 | 4.40 | 4.40 | 4.40 |
| Amm Sulfate (21% N) | cwt | | | | | | | | | | | 3.5700 | 36.00 | 128.52 | 128.52 |
| Spray (Broadcast) | 27' | 150 hp | 0.061 | 1.00 | Mar | 1.64 | 0.97 | 0.13 | 0.20 | 0.091 | 0.68 | | | | 3.63 |
| Simizine 90DF | gallon | | | | | | | | | | | 5.0000 | 3.58 | 17.90 | 17.90 |
| Established Grapefrt | acre | | | 1.00 | Mar | | | | | | | 1.0000 | 115.00 | 115.00 | 115.00 |
| Custom Orchard Spray | acre | | | 1.00 | Apr | | | | | | | 1.0000 | 38.50 | 38.50 | 38.50 |
| Vydate | gal | | | | | | | | | | | 0.0625 | 76.80 | 4.80 | 4.80 |
| Vendex | lb | | | | | | | | | | | 2.0000 | 29.44 | 58.88 | 58.88 |
| Surfactant | pt | | | | | | | | | | | 1.0000 | 1.12 | 1.12 | 1.12 |
| 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 | 29.44 | 58.88 | 58.88 |
| Lorsban 4E | pt | | | | | | | | | | | 4.0000 | 7.13 | 28.52 | 28.52 |
| Custom Orchard Spray | acre | | | 1.00 | Jul | | | | | | | 1.0000 | 38.50 | 38.50 | 38.50 |
| Citrus Oil | gal | | | | | | | | | | | 5.0000 | 3.20 | 16.00 | 16.00 |
| Agri-Mek | gal | | | | | | | | | | | 0.0540 | 832.00 | 44.92 | 44.92 |
| Spray (Broadcast) | 27' | 150 hp | 0.061 | 1.00 | Jul | 1.64 | 0.97 | 0.13 | 0.20 | 0.091 | 0.68 | | | | 3.63 |
| Krovar I 80 DF | lb | | | | | | | | | | | 3.0000 | 14.08 | 42.24 | 42.24 |
| 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 | | | | | | | | | | | 3.5700 | 36.00 | 128.52 | 128.52 |
| 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 | 29.44 | 58.88 | 58.88 |
| Lorsban 4E | pt | | | | | | | | | | | 4.0000 | 7.13 | 28.52 | 28.52 |
| Surfactant | pt | | | | | | | | | | | 1.0000 | 1.12 | 1.12 | 1.12 |
| Pick/Pack/Ship | crtn | | | 1.00 | Dec | | | | | | | 300.0000 | | | |
| TOTALS | | | | | | 3.28 | 1.94 | 0.27 | 254.44 | 3.183 | 23.87 | | | 920.62 | 1204.44 |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | | | | 53.14 |
| UNALLOCATED LABOR | | | | | | | | | | | | | | | 0.09 |
| TOTAL SPECIFIED COST | | | | | | | | | | | | | | | 1257.67 |

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