

*Projections for Planning Purposes Only
Not to be Used without Updating after October 15, 2003*

Table 22.A Estimated costs and returns per acre
Grapefruit; Year 5 Orchard Development, Flood Irr.
Projected for 2004, Rio Grande Valley, For Planning Purpose

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|--|--------|---------|----------|---------|-----------|
| | | dollars | | dollars | |
| INCOME | | | | | |
| Grapefruit (Rio Red) | tons | 88.88 | 9.0000 | 799.92 | _____ |
| TOTAL INCOME | | | | 799.92 | _____ |
| DIRECT EXPENSES | | | | | |
| FERTILIZER | | | | | |
| Amm Sulfate (21% N) | cwt | 11.11 | 7.1400 | 79.32 | _____ |
| HERBICIDE | | | | | |
| Simazine 90DF | gallon | 2.80 | 5.0000 | 14.00 | _____ |
| Krovar I 80 DF | lb | 11.00 | 3.0000 | 33.00 | _____ |
| INSECTICIDE/MITICIDE | | | | | |
| Vydate | gal | 60.00 | 0.0625 | 3.75 | _____ |
| Vendex | lb | 23.00 | 6.0000 | 138.00 | _____ |
| Citrus Oil | gal | 2.50 | 5.0000 | 12.50 | _____ |
| Agri-Mek | gal | 650.00 | 0.0540 | 35.10 | _____ |
| IRRIGATION SUPPLIES | | | | | |
| Irrigation Water | ac-ft | 16.23 | 1.2000 | 19.47 | _____ |
| ADJUVANT | | | | | |
| Surfactant | pt | 0.88 | 2.0000 | 1.76 | _____ |
| CUSTOM ORCHD. SPRAY | | | | | |
| Lorsban 4E | pt | 5.57 | 8.0000 | 44.56 | _____ |
| INSURANCE | | | | | |
| Established Grapefrt | acre | 115.00 | 1.0000 | 115.00 | _____ |
| CUSTOM ORCHARD OPS. | | | | | |
| Custom Fert. Citrus | acre | 4.00 | 2.0000 | 8.00 | _____ |
| Custom Orchard Spray | acre | 35.00 | 4.0000 | 140.00 | _____ |
| OPERATOR LABOR | | | | | |
| Tractors | hour | 8.31 | 0.1220 | 1.01 | _____ |
| HAND LABOR | | | | | |
| Implements | hour | 6.91 | 0.0610 | 0.42 | _____ |
| IRRIGATION LABOR | | | | | |
| Labor (Flood) | hour | 6.91 | 3.0000 | 20.73 | _____ |
| UNALLOCATED LABOR | hour | 8.31 | 0.0122 | 0.10 | _____ |
| DIESEL FUEL | | | | | |
| Tractors | gal | 1.06 | 0.9419 | 0.99 | _____ |
| REPAIR & MAINTENANCE | | | | | |
| Implements | acre | 0.27 | 1.0000 | 0.27 | _____ |
| Tractors | acre | 0.64 | 1.0000 | 0.64 | _____ |
| INTEREST ON OP. CAP. | acre | 49.78 | 1.0000 | 49.78 | _____ |
| TOTAL DIRECT EXPENSES | | | | 718.44 | _____ |
| RETURNS ABOVE DIRECT EXPENSES | | | | 81.47 | _____ |
| FIXED EXPENSES | | | | | |
| Implements | acre | 0.41 | 1.0000 | 0.41 | _____ |
| Tractors | acre | 2.05 | 1.0000 | 2.05 | _____ |
| Permanent Valve Irr. | acre | 45.00 | 1.0000 | 45.00 | _____ |
| Year 1 Est. Costs | acre | 209.04 | 1.0000 | 209.04 | _____ |
| TOTAL FIXED EXPENSES | | | | 256.50 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | 974.94 | _____ |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES | | | | -175.02 | _____ |
| ALLOCATED COST ITEMS | | | | | |
| Land Cost, Orchard | acre | 150.00 | 1.0000 | 150.00 | _____ |
| RESIDUAL RETURNS | | | | -325.02 | _____ |

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

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Table 22.B Estimated resource use and costs for field operations, per acre
Grapefruit; Year 5 Orchard Development, Flood Irr.
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| 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 | | | | | | | 1.0000 | | | 209.04 |
| Permanent Valve Irr. | acre | | | 1.00 | Jan | | | | | | | 1.0000 | | | 45.00 |
| Custom Fert. Citrus | acre | | | 1.00 | Feb | | | | | | | 1.0000 | 4.00 | 4.00 | 4.00 |
| Amm Sulfate (21% N) | cwt | | | | | | | | | | | 3.5700 | 11.11 | 39.66 | 39.66 |
| Spray (Broadcast) | 27' | 150 hp | 0.061 | 1.00 | Mar | 0.82 | 1.02 | 0.13 | 0.20 | 0.091 | 0.71 | | | | 2.91 |
| Simizine 90DF | gallon | | | | | | | | | | | 5.0000 | 2.80 | 14.00 | 14.00 |
| Established Grapefrt | acre | | | 1.00 | Mar | | | | | | | 1.0000 | 115.00 | 115.00 | 115.00 |
| Custom Orchard Spray | acre | | | 1.00 | Apr | | | | | | | 1.0000 | 35.00 | 35.00 | 35.00 |
| Vydate | gal | | | | | | | | | | | 0.0625 | 60.00 | 3.75 | 3.75 |
| Vendex | lb | | | | | | | | | | | 2.0000 | 23.00 | 46.00 | 46.00 |
| Surfactant | pt | | | | | | | | | | | 1.0000 | 0.88 | 0.88 | 0.88 |
| Labor (Flood) | hour | | | 1.00 | Apr | | | | | 1.000 | 6.91 | 1.0000 | | | 6.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.4000 | 16.23 | 6.49 | 6.49 |
| Custom Orchard Spray | acre | | | 1.00 | May | | | | | | | 1.0000 | 35.00 | 35.00 | 35.00 |
| Vendex | lb | | | | | | | | | | | 2.0000 | 23.00 | 46.00 | 46.00 |
| Lorsban 4E | pt | | | | | | | | | | | 4.0000 | 5.57 | 22.28 | 22.28 |
| Custom Orchard Spray | acre | | | 1.00 | Jul | | | | | | | 1.0000 | 35.00 | 35.00 | 35.00 |
| Citrus Oil | gal | | | | | | | | | | | 5.0000 | 2.50 | 12.50 | 12.50 |
| Agri-Mek | gal | | | | | | | | | | | 0.0540 | 650.00 | 35.10 | 35.10 |
| Spray (Broadcast) | 27' | 150 hp | 0.061 | 1.00 | Jul | 0.82 | 1.02 | 0.13 | 0.20 | 0.091 | 0.71 | | | | 2.91 |
| Krovar I 80 DF | lb | | | | | | | | | | | 3.0000 | 11.00 | 33.00 | 33.00 |
| Labor (Flood) | hour | | | 1.00 | Jul | | | | | 1.000 | 6.91 | 1.0000 | | | 6.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.4000 | 16.23 | 6.49 | 6.49 |
| Custom Fert. Citrus | acre | | | 1.00 | Aug | | | | | | | 1.0000 | 4.00 | 4.00 | 4.00 |
| Amm Sulfate (21% N) | cwt | | | | | | | | | | | 3.5700 | 11.11 | 39.66 | 39.66 |
| Labor (Flood) | hour | | | 1.00 | Sep | | | | | 1.000 | 6.91 | 1.0000 | | | 6.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.4000 | 16.23 | 6.49 | 6.49 |
| Custom Orchard Spray | acre | | | 1.00 | Sep | | | | | | | 1.0000 | 35.00 | 35.00 | 35.00 |
| Vendex | lb | | | | | | | | | | | 2.0000 | 23.00 | 46.00 | 46.00 |
| Lorsban 4E | pt | | | | | | | | | | | 4.0000 | 5.57 | 22.28 | 22.28 |
| Surfactant | pt | | | | | | | | | | | 1.0000 | 0.88 | 0.88 | 0.88 |
| Pick/Pack/Ship | crtm | | | 1.00 | Dec | | | | | | | 450.0000 | | | |
| TOTALS | | | | | | 1.64 | 2.05 | 0.27 | 254.45 | 3.183 | 22.16 | | | 644.47 | 925.06 |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | | | | 49.78 |
| UNALLOCATED LABOR | | | | | | | | | | | | | | | 0.10 |
| TOTAL SPECIFIED COST | | | | | | | | | | | | | | | 974.94 |

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