

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

Table 13.A Estimated costs and returns per acre
Honeydew; Plastic Mulch, Drip Irr.
Projected for 2004, Rio Grande Valley, For Planning Purpose

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|--|-------|---------|-----------|---------|-----------|
| | | dollars | | dollars | |
| INCOME | | | | | |
| Honeydews | crtn | 7.54 | 800.0000 | 6032.00 | _____ |
| TOTAL INCOME | | | | 6032.00 | _____ |
| DIRECT EXPENSES | | | | | |
| FERTILIZER | | | | | |
| Phosphorus (46% P2O5) | cwt | 13.86 | 1.5000 | 20.79 | _____ |
| UAN (32% N) | cwt | 7.78 | 3.7400 | 29.09 | _____ |
| FUNGICIDE | | | | | |
| Bravo Ultrex | qt | 12.50 | 1.0000 | 12.50 | _____ |
| Quadris | oz | 2.29 | 32.0000 | 73.28 | _____ |
| HERBICIDE | | | | | |
| Prefar 4E | qt | 10.00 | 2.7500 | 27.50 | _____ |
| INSECTICIDE/MITICIDE | | | | | |
| Admire | gal | 550.00 | 0.1250 | 68.75 | _____ |
| Thiodan 3 EC | qt | 9.09 | 1.0000 | 9.09 | _____ |
| IRRIGATION SUPPLIES | | | | | |
| DripTape (2 seasons) | feet | 0.00 | 6550.0000 | 52.40 | _____ |
| Irrigation Water | ac-ft | 16.23 | 1.1760 | 19.08 | _____ |
| sulfuric acid | oz | 0.01 | 27.0000 | 0.40 | _____ |
| SEED/PLANTS | | | | | |
| Cantaloupe Seeds | lb | 130.00 | 0.8300 | 107.90 | _____ |
| Cantaloupe Seedlings | thou | 33.50 | 13.0000 | 435.50 | _____ |
| HORT. SUPPLIES | | | | | |
| Plastic Mulch, 3x4K' | roll | 60.00 | 0.6100 | 36.60 | _____ |
| Bee Rental | hive | 75.00 | 1.0000 | 75.00 | _____ |
| HIRED LABOR CREW | | | | | |
| Transplant melons | hour | 3.43 | 8.0000 | 27.44 | _____ |
| Pickup plastic | hour | 3.43 | 8.0000 | 27.44 | _____ |
| CUSTOM HORT. HARVEST | | | | | |
| Harvest Honeydews | crtn | 1.00 | 800.0000 | 800.00 | _____ |
| Pack & Count Honeyd. | crtn | 2.00 | 800.0000 | 1600.00 | _____ |
| Sales Consign. Hnydw | crtn | 0.40 | 800.0000 | 320.00 | _____ |
| OPERATOR LABOR | | | | | |
| Tractors | hour | 8.31 | 1.1240 | 9.34 | _____ |
| HAND LABOR | | | | | |
| Implements | hour | 6.91 | 0.5010 | 3.46 | _____ |
| IRRIGATION LABOR | | | | | |
| Drip Trailer System | hour | 6.91 | 0.1960 | 1.35 | _____ |
| UNALLOCATED LABOR | | | | | |
| | hour | 8.31 | 0.8992 | 7.47 | _____ |
| DIESEL FUEL | | | | | |
| Tractors | gal | 1.06 | 8.4445 | 8.95 | _____ |
| Drip Trailer System | gal | 1.06 | 117.6000 | 124.65 | _____ |
| REPAIR & MAINTENANCE | | | | | |
| Implements | acre | 4.61 | 1.0000 | 4.61 | _____ |
| Tractors | acre | 6.69 | 1.0000 | 6.69 | _____ |
| Drip Trailer System | hour | 0.05 | 98.0000 | 4.90 | _____ |
| INTEREST ON OP. CAP. | acre | 122.37 | 1.0000 | 122.37 | _____ |
| TOTAL DIRECT EXPENSES | | | | 4036.60 | _____ |
| RETURNS ABOVE DIRECT EXPENSES | | | | 1995.39 | _____ |
| FIXED EXPENSES | | | | | |
| Implements | acre | 9.93 | 1.0000 | 9.93 | _____ |
| Tractors | acre | 20.88 | 1.0000 | 20.88 | _____ |
| Drip Trailer System | hour | 1.21 | 98.0000 | 118.58 | _____ |
| TOTAL FIXED EXPENSES | | | | 149.39 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | 4186.00 | _____ |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES | | | | 1845.99 | _____ |
| ALLOCATED COST ITEMS | | | | | |
| Cash Rent, Irr. Veg | acre | 100.00 | 1.0000 | 100.00 | _____ |
| RESIDUAL RETURNS | | | | 1745.99 | _____ |

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Table 13.B Estimated resource use and costs for field operations, per acre
Honeydew; Plastic Mulch, Drip Irr.
Projected for 2004, 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----- | | | | |
| Heavy Disk | 14' | 150 hp | 0.167 | 1.00 | Oct | 2.25 | 2.80 | 0.98 | 2.00 | 0.167 | 1.38 | | | | | 9.43 |
| Chisel Plow | 16' | 130 hp | 0.117 | 1.00 | Oct | 1.82 | 2.99 | 0.27 | 0.70 | 0.117 | 0.97 | | | | | 6.76 |
| Heavy Disk | 14' | 150 hp | 0.167 | 1.00 | Oct | 2.25 | 2.80 | 0.98 | 2.00 | 0.167 | 1.38 | | | | | 9.43 |
| 80" Row Disk | 3R-80 | 150 hp | 0.094 | 1.00 | Oct | 1.26 | 1.58 | 0.55 | 1.04 | 0.094 | 0.78 | | | | | 5.23 |
| Order seedlings | order | | | 1.00 | Dec | | | | | | | 1.0000 | | | | |
| Cantaloupe Seeds | lb | | | | | | | | | | | 0.8300 | 130.00 | 107.90 | | 107.90 |
| Fert Appl (Liquid) | 3R-80 | 150 hp | 0.098 | 1.00 | Dec | 1.32 | 1.64 | 0.44 | 1.32 | 0.147 | 1.15 | | | | | 5.88 |
| Phosphorus(46% P2O5) | cwt | | | | | | | | | | | 1.5000 | 13.86 | 20.79 | | 20.79 |
| Pmlch/Driptape Layer | 3R-80 | 130 hp | 0.110 | 1.00 | Dec | 1.71 | 2.81 | 0.44 | 1.21 | 0.440 | 3.19 | | | | | 9.38 |
| DripTape (2 seasons) | feet | | | | | | | | | | | 6550.0000 | 0.00 | 52.40 | | 52.40 |
| Plastic Mulch, 3x4K' | roll | | | | | | | | | | | 0.6100 | 60.00 | 36.60 | | 36.60 |
| Spray (Band) | 27' | 150 hp | 0.061 | 1.00 | Dec | 0.82 | 1.02 | 0.13 | 0.20 | 0.091 | 0.71 | | | | | 2.91 |
| Prefar 4E | qt | | | | | | | | | | | 2.7500 | 10.00 | 27.50 | | 27.50 |
| Drip Trailer System | hour | | | 1.00 | Jan | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | | 8.91 |
| Cantaloupe Seedlings | thou | | | | | | | | | | | 13.0000 | 33.50 | 435.50 | | 435.50 |
| Transplant melons | hour | | | | | | | | | | | 8.0000 | 3.43 | 27.44 | | 27.44 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | | 0.68 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | | 2.64 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | | 2.64 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | | 2.64 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | | 0.01 |
| Admire | gal | | | | | | | | | | | 0.1250 | 550.00 | 68.75 | | 68.75 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | | 2.64 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | | 2.64 |

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| | | | | | | | | | | | | | | | |
|---------------------|-------|--------|-------|------|-----|------|------|------|------|-------|------|---------|-------|-------|-------|
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Cultivate (Early) | 3R-80 | 150 hp | 0.127 | 1.00 | Mar | 1.71 | 2.13 | 0.37 | 0.81 | 0.127 | 1.05 | | | | 6.09 |
| Bravo Ultrex | qt | | | | | | | | | | | 0.5000 | 12.50 | 6.25 | 6.25 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | 2.64 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | 2.64 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | 2.64 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 7.78 | 2.64 | 2.64 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Spray (Band) | 27' | 150 hp | 0.061 | 1.00 | Mar | 0.82 | 1.02 | 0.13 | 0.20 | 0.091 | 0.71 | | | | 2.91 |
| Bravo Ultrex | qt | | | | | | | | | | | 0.5000 | 12.50 | 6.25 | 6.25 |
| Bee Rental | hive | | | 1.00 | Mar | | | | | | | 1.0000 | 75.00 | 75.00 | 75.00 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Spray (Band) | 27' | 150 hp | 0.061 | 1.00 | Apr | 0.82 | 1.02 | 0.13 | 0.20 | 0.091 | 0.71 | | | | 2.91 |
| Quadris | oz | | | | | | | | | | | 16.0000 | 2.29 | 36.64 | 36.64 |
| Ambush 2E | oz | | | | | | | | | | | 8.0000 | | | |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Spray (Band) | 27' | 150 hp | 0.061 | 1.00 | Apr | 0.82 | 1.02 | 0.13 | 0.20 | 0.091 | 0.71 | | | | 2.91 |
| Quadris | oz | | | | | | | | | | | 16.0000 | 2.29 | 36.64 | 36.64 |
| Thiodan 3 EC | qt | | | | | | | | | | | 1.0000 | 9.09 | 9.09 | 9.09 |

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| | | | | | | | | | | | |
|-------------------------------|-------|------|-----|-------|-------|--------|--------|----------|-------|---------|---------|
| Drip Trailer System | hour | 1.00 | Apr | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | 1.00 | Apr | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | 1.00 | Apr | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Harvest Honeydews | crtn | 1.00 | Apr | | | | | 100.0000 | 1.00 | 100.00 | 100.00 |
| Pack & Count Honeyd. | crtn | | | | | | | 100.0000 | 2.00 | 200.00 | 200.00 |
| Sales Consign. Hnydw | crtn | | | | | | | 100.0000 | 0.40 | 40.00 | 40.00 |
| Drip Trailer System | hour | 1.00 | Apr | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Harvest Honeydews | crtn | 1.00 | May | | | | | 200.0000 | 1.00 | 200.00 | 200.00 |
| Pack & Count Honeyd. | crtn | | | | | | | 200.0000 | 2.00 | 400.00 | 400.00 |
| Sales Consign. Hnydw | crtn | | | | | | | 200.0000 | 0.40 | 80.00 | 80.00 |
| Drip Trailer System | hour | 1.00 | May | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Harvest Honeydews | crtn | 1.00 | May | | | | | 200.0000 | 1.00 | 200.00 | 200.00 |
| Pack & Count Honeyd. | crtn | | | | | | | 200.0000 | 2.00 | 400.00 | 400.00 |
| Sales Consign. Hnydw | crtn | | | | | | | 200.0000 | 0.40 | 80.00 | 80.00 |
| Drip Trailer System | hour | 1.00 | May | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Harvest Honeydews | crtn | 1.00 | May | | | | | 200.0000 | 1.00 | 200.00 | 200.00 |
| Pack & Count Honeyd. | crtn | | | | | | | 200.0000 | 2.00 | 400.00 | 400.00 |
| Sales Consign. Hnydw | crtn | | | | | | | 200.0000 | 0.40 | 80.00 | 80.00 |
| Drip Trailer System | hour | 1.00 | May | 4.62 | 4.23 | 0.007 | 0.04 | 3.5000 | | | 8.91 |
| Irrigation Water | ac-ft | | | | | | | 0.0420 | 16.23 | 0.68 | 0.68 |
| sulfuric acid | oz | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Harvest Honeydews | crtn | 1.00 | May | | | | | 100.0000 | 1.00 | 100.00 | 100.00 |
| Pack & Count Honeyd. | crtn | | | | | | | 100.0000 | 2.00 | 200.00 | 200.00 |
| Sales Consign. Hnydw | crtn | | | | | | | 100.0000 | 0.40 | 40.00 | 40.00 |
| Pickup plastic | hour | 1.00 | Jun | | | | | 8.0000 | 3.43 | 27.44 | 27.44 |
| TOTALS | | | | ----- | ----- | ----- | ----- | | | ----- | ----- |
| INTEREST ON OPERATING CAPITAL | | | | 15.64 | 20.88 | 134.16 | 128.51 | 1.821 | 14.15 | 3742.77 | 4056.15 |
| UNALLOCATED LABOR | | | | | | | | | | | 122.37 |
| TOTAL SPECIFIED COST | | | | | | | | | | | 7.47 |
| | | | | | | | | | | | 4186.00 |

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