

Table 12.A Estimated costs and returns per acre
Cantaloupe; Plastic Mulch, Drip Irr.
Projected for 2010, Rio Grande Valley, For Planning Purpose

| ITEM | UNIT | PRICE | QUANTITY | AMOUNT | YOUR FARM |
|--|-------|---------|-----------|---------|-----------|
| | | dollars | | dollars | |
| INCOME | | | | | |
| Cantaloupes | crtn | 10.00 | 600.0000 | 6000.00 | _____ |
| | | | | ----- | |
| TOTAL INCOME | | | | 6000.00 | _____ |
| DIRECT EXPENSES | | | | | |
| FERTILIZER | | | | | |
| Phosphorus(46% P2O5) | cwt | 20.19 | 1.5000 | 30.28 | _____ |
| UAN (32% N) | cwt | 16.00 | 3.7400 | 59.84 | _____ |
| FUNGICIDE | | | | | |
| Bravo Ultrex | qt | 16.00 | 1.0000 | 16.00 | _____ |
| Quadris | oz | 2.93 | 32.0000 | 93.76 | _____ |
| HERBICIDE | | | | | |
| Prefar 4E | qt | 13.44 | 2.7500 | 36.96 | _____ |
| INSECTICIDE/MITICIDE | | | | | |
| Admire | gal | 704.00 | 0.1250 | 88.00 | _____ |
| Thiodan 3 EC | qt | 12.22 | 1.0000 | 12.22 | _____ |
| IRRIGATION SUPPLIES | | | | | |
| DripTape (2 seasons) | feet | 0.00 | 6550.0000 | 52.40 | _____ |
| Irrigation Water | ac-ft | 20.00 | 1.1760 | 23.52 | _____ |
| 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 | 7.50 | 8.0000 | 60.00 | _____ |
| Pickup plastic | hour | 7.50 | 8.0000 | 60.00 | _____ |
| CUSTOM HORT. HARVEST | | | | | |
| Harvest Cantaloupe | crtn | 1.38 | 600.0000 | 828.00 | _____ |
| Pack & Count Cantal. | crtn | 2.53 | 600.0000 | 1518.00 | _____ |
| Sales Consign. Canta | crtn | 0.55 | 600.0000 | 330.00 | _____ |
| OPERATOR LABOR | | | | | |
| Tractors | hour | 7.50 | 1.1240 | 8.43 | _____ |
| HAND LABOR | | | | | |
| Implements | hour | 7.50 | 0.5010 | 3.75 | _____ |
| IRRIGATION LABOR | | | | | |
| Drip Trailer System | hour | 7.50 | 0.1960 | 1.47 | _____ |
| UNALLOCATED LABOR | | | | | |
| | hour | 7.50 | 0.8992 | 6.74 | _____ |
| DIESEL FUEL | | | | | |
| Tractors | gal | 2.10 | 8.4445 | 17.73 | _____ |
| Drip Trailer System | gal | 2.10 | 117.6000 | 246.96 | _____ |
| 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 | 101.07 | 1.0000 | 101.07 | _____ |
| TOTAL DIRECT EXPENSES | | | | 4266.76 | _____ |
| RETURNS ABOVE DIRECT EXPENSES | | | | 1733.23 | _____ |
| FIXED EXPENSES | | | | | |
| Implements | acre | 9.50 | 1.0000 | 9.50 | _____ |
| Tractors | acre | 19.71 | 1.0000 | 19.71 | _____ |
| Drip Trailer System | hour | 1.21 | 98.0000 | 118.58 | _____ |
| TOTAL FIXED EXPENSES | | | | 147.80 | _____ |
| TOTAL SPECIFIED EXPENSES | | | | 4414.57 | _____ |
| RETURNS ABOVE TOTAL SPECIFIED EXPENSES | | | | 1585.43 | _____ |
| ALLOCATED COST ITEMS | | | | | |
| Cash Rent, Irr. Veg | acre | 100.00 | 1.0000 | 100.00 | _____ |
| RESIDUAL RETURNS | | | | 1485.43 | _____ |

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, 2010

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Table 12.B Estimated resource use and costs for field operations, per acre
Cantaloupe; Plastic Mulch, Drip Irr.
Projected for 2010, Rio Grande Valley, For Planning Purposes Only

| OPERATION/ OPERATING INPUT | SIZE/ UNIT | TRACTOR SIZE | PERF TIMES | | | TRACTOR COST | | EQUIP COST | | ALLOC LABOR | | OPERATING INPUT | | | TOTAL COST |
|-------------------------------|---------------|-----------------|------------|------|-----|-------------------|-------|------------|-------|-------------|------|-------------------|--------|--------|---------------|
| | | | RATE | OVER | MTH | DIRECT | FIXED | DIRECT | FIXED | HOURS | COST | AMOUNT | PRICE | COST | |
| | | | | | | -----dollars----- | | | | dollars | | -----dollars----- | | | |
| Heavy Disk | 14' | 150 hp | 0.167 | 1.00 | Oct | 3.59 | 2.65 | 0.98 | 1.91 | 0.167 | 1.25 | | | | 10.40 |
| Chisel Plow | 16' | 130 hp | 0.117 | 1.00 | Oct | 2.64 | 2.80 | 0.27 | 0.66 | 0.117 | 0.87 | | | | 7.27 |
| Heavy Disk | 14' | 150 hp | 0.167 | 1.00 | Oct | 3.59 | 2.65 | 0.98 | 1.91 | 0.167 | 1.25 | | | | 10.40 |
| 80" Row Disk | 3R-80 | 150 hp | 0.094 | 1.00 | Oct | 2.02 | 1.49 | 0.55 | 1.00 | 0.094 | 0.70 | | | | 5.78 |
| 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 | 2.10 | 1.55 | 0.44 | 1.27 | 0.147 | 1.10 | | | | 6.48 |
| Phosphorus(46% P2O5) | cwt | | | | | | | | | | | 1.5000 | 20.19 | 30.28 | 30.28 |
| Pmlch/Driptape Layer | 3R-80 | 130 hp | 0.110 | 1.00 | Dec | 2.48 | 2.64 | 0.44 | 1.14 | 0.440 | 3.30 | | | | 10.01 |
| 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 | 1.31 | 0.97 | 0.13 | 0.20 | 0.091 | 0.68 | | | | 3.30 |
| Prefar 4E | qt | | | | | | | | | | | 2.7500 | 13.44 | 36.96 | 36.96 |
| Drip Trailer System | hour | | | 1.00 | Jan | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Cantaloupe Seedlings | thou | | | | | | | | | | | 13.0000 | 33.50 | 435.50 | 435.50 |
| Transplant melons | hour | | | | | | | | | | | 8.0000 | 7.50 | 60.00 | 60.00 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 16.00 | 5.44 | 5.44 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 16.00 | 5.44 | 5.44 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 16.00 | 5.44 | 5.44 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | 704.00 | 88.00 | 88.00 |
| Admire | gal | | | | | | | | | | | 0.1250 | 704.00 | 88.00 | 88.00 |
| Drip Trailer System | hour | | | 1.00 | Feb | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 16.00 | 5.44 | 5.44 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |

Information presented is prepared solely as a general guide & not intended to recognize or predict the costs & returns from any one operation.
Developed by Texas AgriLife Extension Service.

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| | | | | | | | | | | | | | | | |
|---------------------|-------|--------|-------|------|-----|------|------|------|------|-------|------|---------|-------|-------|-------|
| Drip Trailer System | hour | | | 1.00 | Feb | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 16.00 | 5.44 | 5.44 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Cultivate (Early) | 3R-80 | 150 hp | 0.127 | 1.00 | Mar | 2.73 | 2.01 | 0.37 | 0.77 | 0.127 | 0.95 | | | | 6.85 |
| Bravo Ultrex | qt | | | | | | | | | | | 0.5000 | 16.00 | 8.00 | 8.00 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 16.00 | 5.44 | 5.44 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 16.00 | 5.44 | 5.44 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| UAN (32% N) | cwt | | | | | | | | | | | 0.3400 | 16.00 | 5.44 | 5.44 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Spray (Band) | 27' | 150 hp | 0.061 | 1.00 | Mar | 1.31 | 0.97 | 0.13 | 0.20 | 0.091 | 0.68 | | | | 3.30 |
| Bravo Ultrex | qt | | | | | | | | | | | 0.5000 | 16.00 | 8.00 | 8.00 |
| Bee Rental | hive | | | 1.00 | Mar | | | | | | | 1.0000 | 75.00 | 75.00 | 75.00 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Mar | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Spray (Band) | 27' | 150 hp | 0.061 | 1.00 | Apr | 1.31 | 0.97 | 0.13 | 0.20 | 0.091 | 0.68 | | | | 3.30 |
| Quadris | oz | | | | | | | | | | | 16.0000 | 2.93 | 46.88 | 46.88 |
| Ambush 2E | oz | | | | | | | | | | | 8.0000 | | | |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 |

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|-------------------------------|-------|--------|-------|------|-----|-------|-------|--------|--------|-------|-------|----------|-------|---------|---------|-------|
| Drip Trailer System | hour | | | 1.00 | Apr | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 | |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 | |
| Spray (Band) | 27' | 150 hp | 0.061 | 1.00 | Apr | 1.31 | 0.97 | 0.13 | 0.20 | 0.091 | 0.68 | | | | | 3.30 |
| Quadris | oz | | | | | | | | | | | 16.0000 | 2.93 | 46.88 | 46.88 | |
| Thiodan 3 EC | qt | | | | | | | | | | | 1.0000 | 12.22 | 12.22 | 12.22 | |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 | |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 | |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 | |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 | |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 | |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 | |
| Harvest Cantaloupe | crtn | | | 1.00 | Apr | | | | | | | 100.0000 | 1.38 | 138.00 | 138.00 | |
| Pack & Count Cantal. | crtn | | | | | | | | | | | 100.0000 | 2.53 | 253.00 | 253.00 | |
| Sales Consign. Canta | crtn | | | | | | | | | | | 100.0000 | 0.55 | 55.00 | 55.00 | |
| Drip Trailer System | hour | | | 1.00 | Apr | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 | |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 | |
| Harvest Cantaloupe | crtn | | | 1.00 | May | | | | | | | 100.0000 | 1.38 | 138.00 | 138.00 | |
| Pack & Count Cantal. | crtn | | | | | | | | | | | 100.0000 | 2.53 | 253.00 | 253.00 | |
| Sales Consign. Canta | crtn | | | | | | | | | | | 100.0000 | 0.55 | 55.00 | 55.00 | |
| Drip Trailer System | hour | | | 1.00 | May | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 | |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 | |
| Harvest Cantaloupe | crtn | | | 1.00 | May | | | | | | | 150.0000 | 1.38 | 207.00 | 207.00 | |
| Pack & Count Cantal. | crtn | | | | | | | | | | | 150.0000 | 2.53 | 379.50 | 379.50 | |
| Sales Consign. Canta | crtn | | | | | | | | | | | 150.0000 | 0.55 | 82.50 | 82.50 | |
| Drip Trailer System | hour | | | 1.00 | May | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 | |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 | |
| Harvest Cantaloupe | crtn | | | 1.00 | May | | | | | | | 150.0000 | 1.38 | 207.00 | 207.00 | |
| Pack & Count Cantal. | crtn | | | | | | | | | | | 150.0000 | 2.53 | 379.50 | 379.50 | |
| Sales Consign. Canta | crtn | | | | | | | | | | | 150.0000 | 0.55 | 82.50 | 82.50 | |
| Drip Trailer System | hour | | | 1.00 | May | | | 8.99 | 4.23 | 0.007 | 0.05 | 3.5000 | | | | 13.28 |
| Irrigation Water | ac-ft | | | | | | | | | | | 0.0420 | 20.00 | 0.84 | 0.84 | |
| sulfuric acid | oz | | | | | | | | | | | 1.0000 | 0.01 | 0.01 | 0.01 | |
| Harvest Cantaloupe | crtn | | | 1.00 | May | | | | | | | 100.0000 | 1.38 | 138.00 | 138.00 | |
| Pack & Count Cantal. | crtn | | | | | | | | | | | 100.0000 | 2.53 | 253.00 | 253.00 | |
| Sales Consign. Canta | crtn | | | | | | | | | | | 100.0000 | 0.55 | 55.00 | 55.00 | |
| Pickup plastic | hour | | | 1.00 | Jun | | | | | | | 8.0000 | 7.50 | 60.00 | 60.00 | |
| ----- | | | | | | | | | | | | | | | | |
| TOTALS | | | | | | 24.42 | 19.71 | 256.47 | 128.08 | 1.821 | 13.65 | | | 3864.39 | 4306.75 | |
| INTEREST ON OPERATING CAPITAL | | | | | | | | | | | | | | | 101.07 | |
| UNALLOCATED LABOR | | | | | | | | | | | | | | | 6.74 | |
| TOTAL SPECIFIED COST | | | | | | | | | | | | | | | 4414.57 | |

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