

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YCWUA TILLAGE: Conventional
 CROP: Cotton, Upland ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 1,296.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/02/96

| Item | Unit | Quantity | Price /Unit | Budgeted /Acre | Total /Acre | Your Farm Budget |
|--|-------|----------|-------------|----------------|-------------|------------------|
| INCOME -> Lint | Pound | 1,296.00 | \$0.7200 | \$933.12 | | |
| Cottonseed | Ton | 1.13 | 114.6000 | 129.50 | \$1,062.62 | |
| CASH LAND PREPARATION AND GROWING EXPENSES (including sales tax) | | | | | | |
| Paid Labor (including benefits) | | | | | 94.00 | |
| Tractor/Self Propelled | | | | 40.22 | | |
| Hand | | | | 30.81 | | |
| Irrigation | | | | 18.69 | | |
| Other/Contract | | | | 4.28 | | |
| Chemicals & Custom Applications | | | | | 270.69 | |
| Fertilizers | | | | 69.04 | | |
| Insecticides | | | | 190.29 | | |
| Herbicides | | | | 11.37 | | |
| Farm Machinery and Vehicles | | | | | 49.21 | |
| Diesel Fuel | | | | 18.38 | | |
| Gasoline | | | | 5.87 | | |
| Repairs & Maint. | | | | 24.95 | | |
| Irrigation Water (excluding labor) | | | | | 0.00 | |
| Water Assessment (See Note Below) ** | | | | | ** | |
| Other Purchased Inputs & Services | | | | | 12.07 | |
| Seed/Transplants | | | | 9.07 | | |
| Other Services & Rentals | | | | 3.00 | | |
| TOTAL CASH LAND PREPARATION AND GROWING EXPENSES | | | | | 425.97 | |
| CASH HARVEST AND POST HARVEST EXPENSES | | | | | | |
| Paid Labor (including benefits) | | | | | 11.09 | |
| Tractor/Self Propelled | | | | 5.26 | | |
| Other/Contract | | | | 5.84 | | |
| Chemicals & Custom Applications | | | | | 76.75 | |
| Insecticides | | | | 31.52 | | |
| Other Chemicals | | | | 45.22 | | |
| Farm Machinery and Vehicles | | | | | 34.98 | |
| Diesel Fuel | | | | 6.09 | | |
| Repairs & Maint. | | | | 28.89 | | |
| Custom Harvest/Post Harvest | | | | | 59.89 | |
| Cotton Ginning | | | | | 114.35 | |
| Crop Assessments | | | | | 9.33 | |
| Other Materials | | | | | 1.59 | |
| TOTAL HARVEST AND POST HARVEST EXPENSE | | | | | 307.98 | |
| OPERATING OVERHEAD->PICKUP USE | | | | | 15.61 | |
| OPERATING INTEREST AT 8.0% | | | | | 11.66 | |
| TOTAL CASH OPERATING EXPENSES | | | | | \$761.22 | |
| RETURNS OVER CASH OPERATING EXPENSES | | | | | \$301.40 | |

Notes: The above figures do not include ownership costs, see Table 8B on Next Page for detailed cost allocation.

** A water assessment charge of \$62.00/Acre is included in the ownership costs of Table 8B. ARIZONA COOPERATIVE EXTENSION
 Department of Ag & Resource Economics
 University of Arizona F 2/17

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YCWUA TILLAGE: Conventional
 CROP: Cotton, Upland ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 1,296.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/02/96

| Item | -- CASH COST BASIS (\$/ACRE) - | | - TOTAL COST BASIS (\$/ACRE) - | |
|--|--------------------------------|-------------|--------------------------------|-------------|
| | Income & Costs | Net Returns | Income & Costs | Net Returns |
| TOTAL INCOME at \$ 0.7200/Lb + 2nd Crop | \$1,062.62 | | \$1,062.62 | |
| TOTAL OPERATING EXPENSES | 761.22 | | 761.22 | |
| RETURN OVER CASH OPERATING EXPENSES | | \$301.39 | | \$301.39 |
| CASH OVERHEAD EXPENSES | | | | |
| Taxes, Housing & Insur., Farm Machinery | 8.57 | | 8.57 | |
| Gen. & Off. Overhead (5% of Tot. Oper. Exp.) | 38.06 | | 38.06 | |
| General Farm Maint. (3% of Tot. Oper. Exp.) | 22.84 | | 22.84 | |
| Total Cash Overhead Expenses | 69.47 | | 69.47 | |
| Total Cash Oper. & Over. Cost | 830.69 | | 830.69 | |
| RETURNS OVER CASH OPER. & OVER. EXPENSES. | | 231.92 | | 231.92 |
| CAPITAL ALLOCATIONS (100% Equity) | | | | |
| Capital Replacement, Machinery & Vehicles | | | 53.25 | |
| Interest on Equity, Machinery & Vehicles | | | 21.80 | |
| Total Capital Allocations | | | 75.05 | |
| RETURNS TO LAND, CAPITAL, MANAGEMENT & RISK -----> | | 231.92 | | |
| RETURNS TO LAND, MANAGEMENT & RISK -----> | | | | 156.87 |
| LAND COSTS / OWNERSHIP (100% Equity) | | | | |
| Property Taxes (\$780 X 16% X .13076) | 16.31 | | 16.31 | |
| Opport. Inter. on Land (100% X 6.0% X \$780) | | | 46.80 | |
| Water Assessment ** | 62.00 | | 62.00 | |
| Total Land Costs | 78.31 | | 125.11 | |
| RETURNS TO MANAGEMENT, CAPITAL & RISK -----> | | 153.60 | | |
| RETURNS TO MANAGEMENT & RISK -----> | | | | 31.75 |
| Management Services (8% of Tot. Oper. Exp.) | | | 60.89 | |
| TOTAL OWNERSHIP COST | 147.79 | | 330.54 | |
| TOTAL COST | \$909.01 | | \$1,091.76 | |
| RETURN TO MANAGEMENT, CAPITAL & RISK -----> | | \$153.60 | | |
| RETURN TO RISK (PROFITS) -----> | | | | (\$29.14) |
| BREAK-EVEN PRICE TO COVER OPERATING COST (PER Lb) | | \$0.4874 | | \$0.4874 |
| BREAK-EVEN PRICE TO COVER OWNERSHIP COST | | \$0.1140 | | \$0.2550 |
| BREAK-EVEN PRICE TO COVER TOTAL COST | | \$0.6014 | | \$0.7424 |

Table 8C. Variable Operating Costs; Upland Cotton, 1996

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YCWUA TILLAGE: Conventional
 CROP: Cotton, Upland ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 1,296.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/02/96

| No. | First Month | Operation | Hours * -- | | Operating Costs (\$/Acre*) | | | | Total | Times | Tot. Cash Expense | Class |
|-----|-------------|---------------------------|------------|-------|----------------------------|-------|-----------|-----------|-------|-------|-------------------|-------|
| | | | Machine | Labor | Fuel/Rps. | Labor | Cust/Ser. | Materials | | | | |
| 1 | Dec | Rip | 0.450 | 0.500 | 5.82 | 4.20 | | | 10.02 | 1.0 | 10.02 | L |
| 2 | Dec | Disk | 0.300 | 0.333 | 3.04 | 2.80 | | | 5.84 | 1.0 | 5.84 | L |
| 3 | Jan | Laser Level | 0.900 | 1.000 | 7.79 | 8.41 | | | 16.20 | 1.0 | 16.20 | L |
| 4 | Jan | Apply Herb. & Incorporate | 0.180 | 0.200 | 2.04 | 1.68 | | 4.73 | 8.45 | 1.0 | 8.45 | G |
| 5 | Jan | List | 0.225 | 0.250 | 2.17 | 2.10 | | | 4.27 | 1.0 | 4.27 | L |
| 6 | Feb | Preirrigate | | 0.667 | | 4.67 | | | 4.67 | 1.0 | 4.67 | G |
| 7 | Mar | Mulch | 0.180 | 0.200 | 1.18 | 1.68 | | | 2.86 | 1.0 | 2.86 | L |
| 8 | Mar | Plant | 0.225 | 0.250 | 2.32 | 2.10 | | 9.07 | 13.49 | 1.0 | 13.49 | L |
| 9 | Mar | Remove Cap | 0.150 | 0.167 | 1.20 | 1.40 | | | 2.60 | 1.0 | 2.60 | G |
| 10 | Apr | Cultivate | 0.225 | 0.250 | 1.47 | 2.10 | | | 3.57 | 3.0 | 10.72 | G |
| 11 | Apr | Soil Fertility | | | | | 3.00 | | 3.00 | 1.0 | 3.00 | G |
| 12 | May | Irrigate/Run Fertilizer | | 0.400 | | 2.80 | | 17.85 | 20.65 | 2.0 | 41.30 | G |
| 13 | Jun | Irrigate | | 0.400 | | 2.80 | | | 2.80 | 2.0 | 5.60 | G |
| 14 | Jun | Hand Weeding | | 4.000 | | 26.64 | | | 26.64 | 1.0 | 26.64 | G |
| 15 | Jun | Apply Insect./Ground | 0.180 | 0.200 | 1.59 | 1.68 | | 46.44 | 49.71 | 1.0 | 49.71 | G |
| 16 | Jun | Apply Herbicide/Ground | 0.180 | 0.200 | 1.18 | 1.68 | | 6.63 | 9.49 | 1.0 | 9.49 | G |
| 17 | Jul | Apply Insect./Ground | 0.180 | 0.200 | 1.59 | 1.68 | | 34.94 | 38.21 | 1.0 | 38.21 | G |
| 18 | Jul | Apply Insect./Ground | 0.180 | 0.200 | 1.59 | 1.68 | | 9.08 | 12.35 | 1.0 | 12.35 | G |
| 19 | Jul | Hand Weeding | | 1.250 | | 8.33 | | | 8.33 | 0.5 | 4.17 | G |
| 20 | Jul | Apply Insecticide/Air | | | | | 6.00 | 10.55 | 16.55 | 1.0 | 16.55 | G |
| 21 | Aug | Apply Insecticide/Air | | | | | 6.00 | 7.62 | 13.62 | 1.0 | 13.62 | G |
| 22 | Aug | Apply Insecticide/Air | | | | | 6.00 | 11.22 | 17.22 | 1.0 | 17.22 | G |
| 23 | Aug | Apply Insecticide/Air | | | | | 6.00 | 26.23 | 32.23 | 1.0 | 32.23 | G |
| 24 | Aug | Irrigate/Run Fertilizer | | 0.400 | | 2.80 | | 33.33 | 36.13 | 1.0 | 36.13 | G |
| 25 | Sep | Apply Insecticide/Air | | | | | 6.00 | 14.21 | 20.21 | 1.0 | 20.21 | G |
| 26 | Sep | Apply Defoliant/Air | | | | | 8.32 | 37.02 | 45.34 | 1.0 | 45.34 | H |
| 27 | Sep | Apply Defoliant/Air | | | | | 8.32 | 23.10 | 31.42 | 1.0 | 31.42 | H |
| 28 | Sep | Dust Control | 0.009 | 0.010 | 0.17 | 0.07 | | | 0.24 | 61.0 | 14.48 | G |
| 29 | Sep | Prepare Ends | 0.037 | 0.041 | 0.38 | 0.34 | | | 0.72 | 1.0 | 0.72 | H |

* NOTES: See next page for notes.

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 CROP: Cotton, Upland ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 1,296.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/02/96

| No. | First Month | Operation | Hours * -- | | Operating Costs (\$/Acre*) | | | | | Tot. Cash Expense | Class | | |
|--------------------------------|-------------|-----------------------------|------------|-------|----------------------------|----------|-----------|-----------|-------|-------------------|-------|----------|---|
| | | | Machine | Labor | Fuel/Rps. | Labor | Cust/Ser. | Materials | Total | | | Times | |
| 30 | Sep | Cotton, First Pick | 0.750 | 0.833 | 28.41 | 5.84 | | | | 34.25 | 1.0 | 34.25 | H |
| 31 | Sep | Cotton, Make Modules | 0.375 | 0.417 | 4.77 | 3.51 | | 1.59 | | 9.87 | 1.0 | 9.87 | H |
| 32 | Nov | Cotton, Rood 200.0 Cl | | | | | 56.00 | | | 56.00 | 1.0 | 56.00 | H |
| 33 | Sep | Haul, Custom 0.2 Mu | | | | | | | 0.00 | 0.00 | 1.0 | 0.00 | H |
| 34 | Sep | Cotton Ginning 38.1 Cs | | | | | 114.35 | | | 114.35 | 1.0 | 114.35 | P |
| 35 | Dec | Cotton Classing 2.6 Ba | | | | | | 3.89 | | 3.89 | 1.0 | 3.89 | M |
| 36 | Dec | Crop Assessment 2.6 Ba | | | | | | 9.33 | | 9.33 | 1.0 | 9.33 | M |
| 37 | Nov | Cut Stalks | 0.150 | 0.167 | 1.43 | 1.40 | | | | 2.83 | 1.0 | 2.83 | P |
| 38 | Nov | Disk Residue | 0.300 | 0.333 | 3.04 | 2.80 | | | | 5.84 | 1.0 | 5.84 | L |
| | | Pickup Use 60 Mi/Ac | 2.000 | | 15.61 | | | | | | | 15.61 | O |
| | | Operating Interest at 8.00% | | | | | | 11.64 | | | | 11.64 | O |
| TOTAL CASH OPERATING EXPENSES: | | | | | \$99.80 | \$105.03 | \$244.85 | \$311.46 | | | | \$761.14 | T |

* NOTES: Machine and labor hours and operating cost are for one time over the designated acreage. The 'Tot. Cash Expense' column and the 'TOTAL CASH OPERATING EXPENSES:' row include all operations, all times over. Classes are defined below. A water assessment charge of \$62.00/Acre included as ownership cost in Table 8B.

| OPERATING COST SUMMARY BY CLASS | | SENSITIVITY OF NET REVENUES OVER TOTAL CASH EXPENSES (\$/Acre) | | | | | | | |
|---------------------------------|----------|--|---------|----------|----------|--------|--------|------------|------|
| | | Prices -> | -25% | -10% | Budgeted | +10% | +25% | | |
| Land Preparation (L) | \$58.53 | | | | | | | | |
| Growing (G) | 367.35 | | | | | | | | |
| Harvest (H) | 177.58 | Yields | \$0.54 | \$0.64 | \$0.72 | \$0.79 | \$0.90 | Break-even | |
| Post Harvest (P) | 117.18 | | | | | | | | |
| Marketing (M) | 13.21 | -25% | 972.0 | -159.25 | -54.28 | 15.70 | 85.68 | 190.66 | 0.70 |
| Operating Overhead (O) | 27.25 | -10% | 1,166.4 | -100.48 | 25.49 | 109.47 | 193.45 | 319.42 | 0.62 |
| | | Budgeted | 1,296.0 | -61.29 | 78.67 | 171.98 | 265.29 | 405.26 | 0.58 |
| | | +10% | 1,425.6 | -22.11 | 131.85 | 234.49 | 337.14 | 491.10 | 0.55 |
| | | +25% | 1,620.0 | 36.66 | 211.62 | 328.26 | 444.90 | 619.86 | 0.51 |
| | | Break-even Yield | | 1,498.72 | 1,104.27 | 939.44 | 817.42 | 684.14 | |
| Total (T) | \$761.13 | | | | | | | | |

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| Month * | Number Irrig. | Water Applied (Inches) | Total Labor (Hrs) | Operating Cost (\$/Acre) | | | | | | |
|----------------------------|---------------|------------------------|-------------------|--------------------------|---------------------|---------------|---------------|-----------------|---------------|---------------|
| | | | | Purchased Water | Fuel, Oil & Repairs | Labor | Chemicals | Other Purchases | Services | Total |
| DEC P | | | 0.41 | | 4.43 | 3.50 | | | | 7.93 |
| JAN C | | | 1.86 | | 16.44 | 15.70 | 4.73 | | | 36.87 |
| FEB C | 1.0 | 12.0 | 0.66 | | | 4.67 | | | | 4.67 |
| MAR C | | | 0.61 | | 4.70 | 5.19 | | 9.07 | | 18.96 |
| APR C | | | 0.25 | | 1.47 | 2.10 | | | 3.00 | 6.58 |
| MAY C | 1.0 | 6.0 | 0.65 | | 1.47 | 4.91 | 17.85 | | | 24.23 |
| JUN C | 2.0 | 12.0 | 5.45 | | 4.25 | 37.72 | 70.92 | | | 112.89 |
| JUL C | 1.0 | 6.0 | 1.42 | | 3.19 | 10.33 | 54.57 | | 6.00 | 74.09 |
| AUG C | 1.0 | 6.0 | 0.71 | | 5.19 | 4.98 | 78.40 | | 18.00 | 106.56 |
| SEP C | | | 0.57 | | 11.84 | 4.14 | 62.77 | 0.32 | 41.35 | 120.43 |
| OCT C | | | 0.77 | | 20.09 | 5.78 | 11.54 | 0.95 | 61.34 | 99.70 |
| NOV C | | | 0.55 | | 9.32 | 4.39 | | 0.32 | 90.31 | 104.34 |
| DEC C | | | 0.20 | | 1.79 | 1.68 | | | 13.22 | 16.69 |
| Pickup Use 60 Mi/Ac | | | | | 15.61 | | | | | 15.61 |
| Operating Interest at 8.0% | | | | | | | | | 11.66 | 11.66 |
| Water Assessment | | | | ** | | | | | | |
| Total | 6.0 | 42.0 | 14.14 | | 99.80 | 105.09 | 300.78 | 10.66 | 244.87 | 761.20 |
| % | | | | | 13.11 | 13.80 | 39.51 | 1.40 | 32.16 | 100.00 |

| TOTAL RESOURCES REQUIREMENTS(/Acre) | | TOTAL ENERGY REQUIREMENTS(/Acre) | |
|-------------------------------------|-----------|----------------------------------|-----------|
| Total N | 205.3 lbs | Diesel Fuel | 26.2 Gal |
| Total P | 0.0 lbs | Regular Gas | 0.0 Gal |
| Total K | 0.0 lbs | NonLead Gas | 9.8 Gal |
| Total Labor | 14.1 Hrs | All Direct Energy | 4.8 M BTU |
| Total Water | 42.0 AI | | |

| EQUIPMENT REQUIREMENTS(/Acre) | | | |
|-------------------------------|----------|-------------------------------|----------|
| Tractor, 150 PTO HP, MFWD | 0.45 Hrs | V-Ripper, 7 Shnk | 0.45 Hrs |
| Offset Disk, 12' | 0.64 Hrs | Drag Scraper, 10' | 0.90 Hrs |
| Laser Trailer | 0.90 Hrs | Tandem Disk, 12' | 0.18 Hrs |
| Lister, 5 Bottom | 0.23 Hrs | Tractor, 70 PTO HP, MFWD | 1.80 Hrs |
| Planter, 4 Row | 0.23 Hrs | Cultipacker, 13' | 0.15 Hrs |
| Directed Spray Rig, 8 Row | 0.18 Hrs | Truck, 5 Ton w/1000 Gal Tank | 0.55 Hrs |
| Tractor, 80 PTO HP, MFWD | 0.38 Hrs | Module Builder | 0.38 Hrs |
| Pickup Truck, 1/2 Ton | 2.00 Hrs | | |
| | | Tractor, 100 PTO HP, MFWD | 2.24 Hrs |
| | | Laser Receiver, Mast System | 0.90 Hrs |
| | | Saddle Tk Sprayer, 2 Tk 8 Row | 0.18 Hrs |
| | | Rolling Cultivator, 4 Rw | 0.86 Hrs |
| | | Row Crop Sprayer, 8 Rw Trail | 0.54 Hrs |
| | | Cotton Picker, 2 Row | 0.75 Hrs |
| | | Rotary Stalk Cutter, 4 Row | 0.15 Hrs |

| MATERIALS REQUIREMENTS(/Acre) | | | |
|-------------------------------|----------|--------------------------|----------|
| Trifluralin | 1.20 Pt | Water, District | 42.00 AI |
| 32-00-00, URAN 32, Lqd | 58.00 Ga | Pyriproxyfen | 8.00 Oz |
| Cyanazine | 1.00 Qt | Buprofezin | 0.50 Lb |
| Lambdacyhalothrin | 3.20 Oz | Chlorpyrifos | 0.50 Pt |
| Cyfluthrin | 2.25 Oz | Amitraz | 0.25 Lb |
| Sulprophos | 1.00 Pt | Zetacypermethrin | 6.40 Oz |
| Thidiazuron | 0.30 Lb | Fenpropathrin | 10.67 Oz |
| Module Tarps | 30.21 CW | Upl Cotton Sd+NU-Flow ND | 12.00 Lb |
| | | Acephate | 1.00 Lb |
| | | Oxamyl | 1.00 Pt |
| | | Endosulfan | 1.50 Lb |
| | | Bifenthrin | 4.00 Oz |
| | | Acephate | 1.59 Lb |
| | | Sodium Chlorate | 2.00 Ga |

| LABOR REQUIREMENTS(/Acre) | | | |
|---------------------------|----------|--------------|----------|
| Tractor | 5.41 Hrs | Irrigators | 2.67 Hrs |
| | | Hand Weeders | 4.63 Hrs |

Other

0.61 Hrs Harvest

0.83 Hrs

* NOTE: P = Previous Year C = Current Year N = Next Year

** A water assessment charge of \$62.00/Acre included as ownership cost in Table 8B.

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 CROP: Cotton, Upland ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 1,296.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/02/96

| No. | First Month | Times | Operation | Equipment/Custom Oper. HP Self-Prop./Implem. | Job Rate Acres/Hr | Material Use & Cost Name | Appl. Rate | \$/Unit | Service Cost \$/Unit | Labor Type |
|-----|-------------|-------|---------------------------|---|----------------------|-----------------------------|------------|-----------|-------------------------|---------------|
| 1 | Dec | 1.0 | Rip | 150 V-Ripper, 7 Shnk | 2.00 | | | | | Tractor |
| 2 | Dec | 1.0 | Disk | 100 Offset Disk, 12' | 3.00 | | | | | Tractor |
| 3 | Jan | 1.0 | Laser Level | 100 Drag Scraper, 10' Laser Receiver, Mast Sy Laser Trailer | 1.00 | | | | | Tractor |
| 4 | Jan | 1.0 | Apply Herb. & Incorporate | 100 Tandem Disk, 12' Saddle Tk Sprayer, 2 Tk | 5.00 | Trifluralin | 1.20 Pt | 30.06 Ga | | Tractor |
| 5 | Jan | 1.0 | List | 100 Lister, 5 Bottom | 4.00 | | | | | Tractor |
| 6 | Feb | 1.0 | Preirrigate | | 1.50 | Water, District | 12.00 AI | 0.00 AF | | Irrigator |
| 7 | Mar | 1.0 | Mulch | 70 Rolling Cultivator, 4 R | 5.00 | | | | | Tractor |
| 8 | Mar | 1.0 | Plant | 70 Planter, 4 Row | 4.00 | Upl Cotton Sd+NU-F | 12.00 Lb | 72.00 CW | | Tractor |
| 9 | Mar | 1.0 | Remove Cap | 100 Cultipacker, 13' | 6.00 | | | | | Tractor |
| 10 | Apr | 3.0 | Cultivate | 70 Rolling Cultivator, 4 R | 4.00 | | | | | Tractor |
| 11 | Apr | 1.0 | Soil Fertility | CST Soil Analysis (Surf) | | | | | 3.00 Ac | |
| 12 | May | 2.0 | Irrigate/Run Fertiliz | | 2.50 | Water, District | 6.00 AI | 0.00 AF | | Irrigator |
| | | | | | | 32-00-00, URAN 32, | 15.00 Ga | 205.00 Tn | | |
| 13 | Jun | 2.0 | Irrigate | | 2.50 | Water, District | 6.00 AI | 0.00 AF | | Irrigator |
| 14 | Jun | 1.0 | Hand Weeding | | 0.30 | | | | | Hand Weed |
| 15 | Jun | 1.0 | Apply Insect./Ground | 70 Row Crop Sprayer, 8 Rw | 5.00 | Pyriproxyfen | 8.00 Oz | 560.00 Ga | | Tractor |
| | | | | | | Acephate | 1.00 Lb | 9.23 Lb | | |
| 16 | Jun | 1.0 | Apply Herbicide/Groun | 70 Directed Spray Rig, 8 | 5.00 | Cyanazine | 1.00 Qt | 25.26 Ga | | Tractor |
| 17 | Jul | 1.0 | Apply Insect./Ground | 70 Row Crop Sprayer, 8 Rw | 5.00 | Buprofezin | 0.50 Lb | 50.00 Lb | | Tractor |
| | | | | | | Oxamyl | 1.00 Pt | 66.19 Ga | | |
| 18 | Jul | 1.0 | Apply Insect./Ground | 70 Row Crop Sprayer, 8 Rw | 5.00 | Lambdacyhalothrin | 3.20 Oz | 234.04 Ga | | Tractor |
| | | | | | | Chlorpyrifos | 0.50 Pt | 44.73 Ga | | |
| 19 | Jul | 0.5 | Hand Weeding | | 0.80 | | | | | Hand Weed |
| 20 | Jul | 1.0 | Apply Insecticide/Air | CST Air Spray, 3 Gal Mi | | Endosulfan | 1.50 Lb | 6.70 Lb | 6.00 Ac | |
| 21 | Aug | 1.0 | Apply Insecticide/Air | CST Air Spray, 3 Gal Mi | | Cyfluthrin | 2.25 Oz | 412.77 Ga | 6.00 Ac | |
| 22 | Aug | 1.0 | Apply Insecticide/Air | CST Air Spray, 3 Gal Mi | | Amitraz | 0.25 Lb | 42.74 Lb | 6.00 Ac | |
| 23 | Aug | 1.0 | Apply Insecticide/Air | CST Air Spray, 3 Gal Mi | | Bifenthrin | 4.00 Oz | 511.12 Ga | 6.00 Ac | |
| | | | | | | Sulprophos | 1.00 Pt | 72.11 Ga | | |
| 24 | Aug | 1.0 | Irrigate/Run Fertiliz | | 2.50 | Water, District | 6.00 AI | 0.00 AF | | Irrigator |
| | | | | | | 32-00-00, URAN 32, | 28.00 Ga | 205.00 Tn | | |
| 25 | Sep | 1.0 | Apply Insecticide/Air | CST Air Spray, 3 Gal Mi | | Zetacypermethrin | 3.20 Oz | 305.70 Ga | 6.00 Ac | |
| | | | | | | Acephate | 0.67 Lb | 8.78 Lb | | |
| 26 | Sep | 1.0 | Apply Defoliant/Air | CST Air Spray, 5 Gal Mi | | Thidiazuron | 0.30 Lb | 50.21 Lb | 8.32 Ac | |
| | | | | | | Fenpropathrin | 10.67 Oz | 171.54 Ga | | |
| | | | | | | Acephate | 0.67 Lb | 8.78 Lb | | |
| 27 | Sep | 1.0 | Apply Defoliant/Air | CST Air Spray, 5 Gal Mi | | Sodium Chlorate | 2.00 Ga | 6.08 Ga | 8.32 Ac | |
| | | | | | | Zetacypermethrin | 3.20 Oz | 305.70 Ga | | |
| | | | | | | Acephate | 0.25 Lb | 8.78 Lb | | |
| 28 | Sep | 61.0 | Dust Control | Truck, 5 Ton w/1000 Gal | 100.00 | | | | | Other |
| 29 | Sep | 1.0 | Prepare Ends | 100 Offset Disk, 12' | 24.40 | | | | | Tractor |
| 30 | Sep | 1.0 | Cotton, First Pick | Cotton Picker, 2 Row | 1.20 | | | | | Harvest |

NOTES at the bottom of the next page.

COUNTY: Yuma FARM: Yuma County Farm WATER SOURCE: YCWUA TILLAGE: Conventional
 CROP: Cotton, Upland ACRES: 1.0 IRRIGATION SYSTEM: Flood Furrow SOIL: Sandy-Loam
 AREA: Yuma Valley South YIELD: 1,296.0 Lb/Acre PREVIOUS CROP: Cotton, Upland DATE: 10/02/96

| No. | Month | First Times | Operation | Equipment/Custom Oper. HP Self-Prop./Implem. | Job Rate Acres/Hr | Material Use & Cost Name Appl. Rate | Service Cost \$/Unit | Labor Type |
|-----|-------|-------------|----------------------|---|----------------------|--|-------------------------|---------------|
| 31 | Sep | 1.0 | Cotton, Make Modules | 80 Module Builder | 2.40 | Module Tarps 30.21 CW | 0.05 CW | Tractor |
| 32 | Nov | 1.0 | Cotton, Rood | CST Rood Upland Cotton | | | 0.28 Cl | |
| 33 | Sep | 1.0 | Haul, Custom | CST Haul Cotton Modules | | | 0.00 Mu | |
| 34 | Sep | 1.0 | Cotton Ginning | CST Gin Upland Cotton | | | 3.00 Cs | |
| 35 | Dec | 1.0 | Cotton Classing | CST Class Cotton, HVI | | | 1.50 Ba | |
| 36 | Dec | 1.0 | Crop Assessment | CST Upland (Low Elev) | | | 3.60 Ba | |
| 37 | Nov | 1.0 | Cut Stalks | 100 Rotary Stalk Cutter, 4 | 6.00 | | | Tractor |
| 38 | Nov | 1.0 | Disk Residue | 100 Offset Disk, 12' | 3.00 | | | Tractor |
| | | | Pickup Use 60 Mi/Ac | Pickup Truck, 1/2 Ton | 0.50 | | | |

* NOTE: Machine times, labor times, and material rates are for one time over the designated acreage.

** A water assessment charge of \$62.00/Acre included as ownership cost in Table 8B.