

Mixed Melon Projected Production Costs 1989-1990

Mechanical operations at custom rates. Hand labor at \$5.75 per hour (\$4.50 plus Social Security, unemployment insurance, transportation, supervision and fringe benefits).
Yield--600 cartons per acre. 85-90 days to maturity. Hybrid Honeydews

| OPERATION | CUSTOM RATE | MATERIALS | | HAND LABOR | | COSTS Per Acre |
|--|-------------|-------------------------------------|--------|------------|---------|----------------|
| | | Type | Cost | Hours | Dollars | |
| LAND PREPARATION | | | | | | |
| Stubble disc 1x | 18.25 | | | | | 18.25 |
| Subsoil 1x | 29.25 | | | | | 29.25 |
| Disc 1x | 9.50 | | | | | 9.50 |
| Landplane 2x | 10.00 | | | | | 20.00 |
| Border, cross check & break borders | 15.00 | | | | | 15.00 |
| Flood | | Water 1/2 ac/ft | 5.50 | 1 | 5.75 | 11.25 |
| Fertilize | 4.50 | 300# 11-52-0 | 40.50 | | | 45.00 |
| Disc 2x | 9.50 | | | | | 19.00 |
| Triplane | 8.75 | | | | | 8.75 |
| List flat beds | 11.50 | | | | | 11.50 |
| TOTAL LAND PREPARATION COSTS | | | | | | 169.25 |
| GROWING PERIOD | | | | | | |
| Plant & shape | 12.00 | Seed 1 1/2# @ 210.00 | 315.00 | | | 327.00 |
| Thin | | | | 5 | 28.75 | 28.75 |
| Cultivate and reshape 2x | 18.00 | | | | | 36.00 |
| Fertilize & furrow out 1x | 10.50 | 60# N @ .31 | 18.60 | | | 29.10 |
| Pollination | | Hives 1 1/2 @ 18.00 | 27.00 | | | 27.00 |
| Hand weed 1x | | | | 6 | 34.50 | 34.50 |
| Irrigate 3x | | Water 2 ac/ft | 22.00 | 8 | 46.00 | 68.00 |
| Water run fertilizer | | 60# N @ .31 | 18.60 | | | 18.60 |
| Insect control 4x | 4.50 | Insecticides | 36.00 | | | 54.00 |
| Disease control 2x | 5.00 | Fungicides | 14.50 | | | 24.50 |
| Disc out beds | 9.50 | | | | | 9.50 |
| TOTAL GROWING PERIOD | | | | | | 656.95 |
| GROWING PERIOD & LAND PREPARATION COSTS | | | | | | 826.20 |
| Land Rent (net acres) | | | | | | 175.00 |
| Cash Overhead----- | | 12% of Preharvest costs & land rent | | | | 120.14 |
| TOTAL PREHARVEST COSTS | | | | | | 1121.34 |
| HARVEST (Field pack) | | | | | | |
| Pick, haul, pack and sell | | 600 cartons @ | 2.60 | per carton | | 1560.00 |
| TOTAL ALL COSTS | | | | | | 2681.34 |

PROJECTED INCOME ABOVE COSTS (PER ACRE)
price/carton

| | | price/carton | | | | | Breakeven \$/carton |
|---------|-----|--------------|------|------|------|------|---------------------|
| | | 3.50 | 4.50 | 6.50 | 7.50 | 8.50 | |
| Cartons | 400 | -761 | -361 | 439 | 839 | 1239 | 5.40 |
| | 500 | -671 | -171 | 829 | 1329 | 1829 | 4.84 |
| per | 600 | -581 | 19 | 1219 | 1819 | 2419 | 4.47 |
| acre | 700 | -491 | 209 | 1609 | 2309 | 3009 | 4.20 |
| | 800 | -401 | 399 | 1999 | 2799 | 3599 | 4.00 |

GUIDELINES TO PRODUCTION COSTS AND PRACTICES
IMPERIAL COUNTY CROPS, CIRCULAR 104
 1989 - 1990

CUSTOM RATE CHARGES

HEAVY TRACTOR WORK

| | <u>PRICE/ACRE</u> |
|--------------------------------|-------------------|
| Plow | \$ 24.75 |
| Subsoil 2nd Gear | 29.25 |
| Disc, Regular | 9.50 |
| Disc, Stubble | 18.25 |
| Float | 8.25 |
| Triplane | 8.75 |
| List, Regular | 11.50 |
| List, and Rerun 80" Melon Beds | 22.00 |
| Reshape 80" Melon Beds | 10.00 |
| Landplane | 10.00 |
| Chisel | 20.75 |

PLANTING AND CULTIVATING

| | |
|-------------------------------------|-------|
| Plant and Shape Melon Beds | 16.75 |
| Precision Plant 42" Beds | 14.50 |
| Plant Carrots | 13.75 |
| Plant Onions | 16.75 |
| Cultivate 4-Row 42" Beds | 10.75 |
| Cultivate Melon Beds | 14.00 |
| Spike and Furrow Out (2 row) | 10.50 |
| Lilliston | 9.50 |
| Furrow out alone | 8.00 |
| Move N-Side 80" Beds for Irrigation | 9.50 |

INCORPORATING, BORDER AND BED WORK

| | |
|--|-------|
| Power Incorporate herbicides | 20.25 |
| Border, Cross checks and Break Borders | 15.00 |
| Bust Melon Beds | 9.00 |
| Roll Beds | 5.00 |

FERTILIZER APPLICATION

| | |
|-----------------------------------|-------|
| Broadcast Fertilizer | 6.00 |
| Inject Fertilizer (Flat) | 9.00 |
| Fertilize and Furrow Out 42" Beds | 10.50 |
| Fertilize and Furrow Out 80" Beds | 10.50 |

IRRIGATION

| | |
|-----------------|---------------|
| Custom Sprinkle | 135.00-145.00 |
|-----------------|---------------|

MISCELLANEOUS

| | |
|------------------------------------|-------|
| Motor Grader/Hour | 42.75 |
| Chop Broccoli, Corn Stalks, Etc. | 10.00 |
| Water truck/Hour | 34.00 |
| Cultipacker | 6.00 |
| Ground Spray Pesticides (4 Row) | 7.00 |
| Aerial Spray 5 Gal. (Insecticides) | 4.50 |
| Aerial Spray 10 Gal. (Fungicides) | 5.00 |