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FERTILIZERS
Previous crop history will help in determining fertilizer requirements. Phosphate is applied ahead of planting from 150-200 pounds per acre. Two hundred pounds of nitrogen is usually ample. Preplant fertilizer should be disked into the soil before listing to prevent forking.

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PESTS & DISEASES
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# HARVESTING
Both hand and machine harvest are practiced. Harvesting takes place from December to June. Carrots are shipped with tops, in cello-paks or topped loose.

Prepared by
Imperial County Agricultural Extension Staff
Revised August 1974

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Imperial County Court House, El Centro
Cost Data Sheet No. 14
UC Cooperative Extension
CARRIAGE—SAMPLE PRODUCTION COSTS

Mechanical operations at custom rates. Hand labor at $3.00 per hour ($2.53 plus Social Security, unemployment insurance, and transportation, supervision and fringe benefits).

Yield — 500 54# sacks per acre. (13.5 tons) 75-80 days to maturity.

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>Custom Rate</th>
<th>MATERIALS Type</th>
<th>Cost</th>
<th>LAND LABOR Hours</th>
<th>DOLLARS</th>
<th>SAMPLE COSTS Per Acre</th>
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<tr>
<td>LAND PREPARATION</td>
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<td>TOTAL LAND PREPARATION</td>
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<td></td>
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<td>$125.60</td>
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</table>

GROWING PERIOD

| Plant                      | 5.50        | Seed 2# @ 7.00 | 14.00|                  | 19.50   |                       |
| Weed control 2x            | 2.50        | Herbicides     | 37.00|                  | 42.00   |                       |
| Cultivate 2x               | 4.00        |                |      |                  | 8.00    |                       |
| Spike 2x                   | 3.00        |                |      |                  | 6.00    |                       |
| Fertilize - side-dress 2x  | 4.00        | 150# N @ 20#  | 30.00 |                  | 38.00   |                       |
| Irrigate 7x                | 8.10        | Water 3 ac ft | 11.00| 33.00            | 41.19   |                       |
| Sprinkler Irrigate         | 30.00       | Rent           | 10.00| 30.00            | 60.00   |                       |
| Pest Control 2x            | 10.00       | Insecticides   |      |                  | 16.00   |                       |
| GROWING PERIOD             |             |                |      |                  |         | $230.60               |

GROWING PERIOD & LAND PREP COSTS

| Land Rent                  |             |                |      |                  | $125.00 |                       |
| Cash Overhead - 10% of preharvest costs and land rent | | | | | 48.12 | |
| TOTAL PREHARVEST COSTS     |             |                |      |                  |         | $529.32               |

HARVEST COSTS*

Harvest by machine, haul, pack, sell in mesh sacks containing 48 l 1/8 pound cello bags, contract rate at $3.00 per carton $1620.00

TOTAL ALL COSTS $2149.32

Cost per sack = $4.29

Note: The cello bags are the most common consumer package although other sizes or grades will be packed from field run carrots.

YIELDS

Average yields are 15-20 tons per acre. The Agricultural Commissioner's reports show seasonal average price per ton during the past five years varied from a low of $81.50 in 1972 to a high of $141.00 in 1971. There were 4500 acres grown in 1973.

PLANTING DATES

Early carrots are planted the last week in August and early September. Later maturing carrots are planted in October and early November.

VARIETIES

Long Imperator 58 is the main variety grown. Danvers 126 is planted for canny use.
SOILS

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IRRIGATION

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