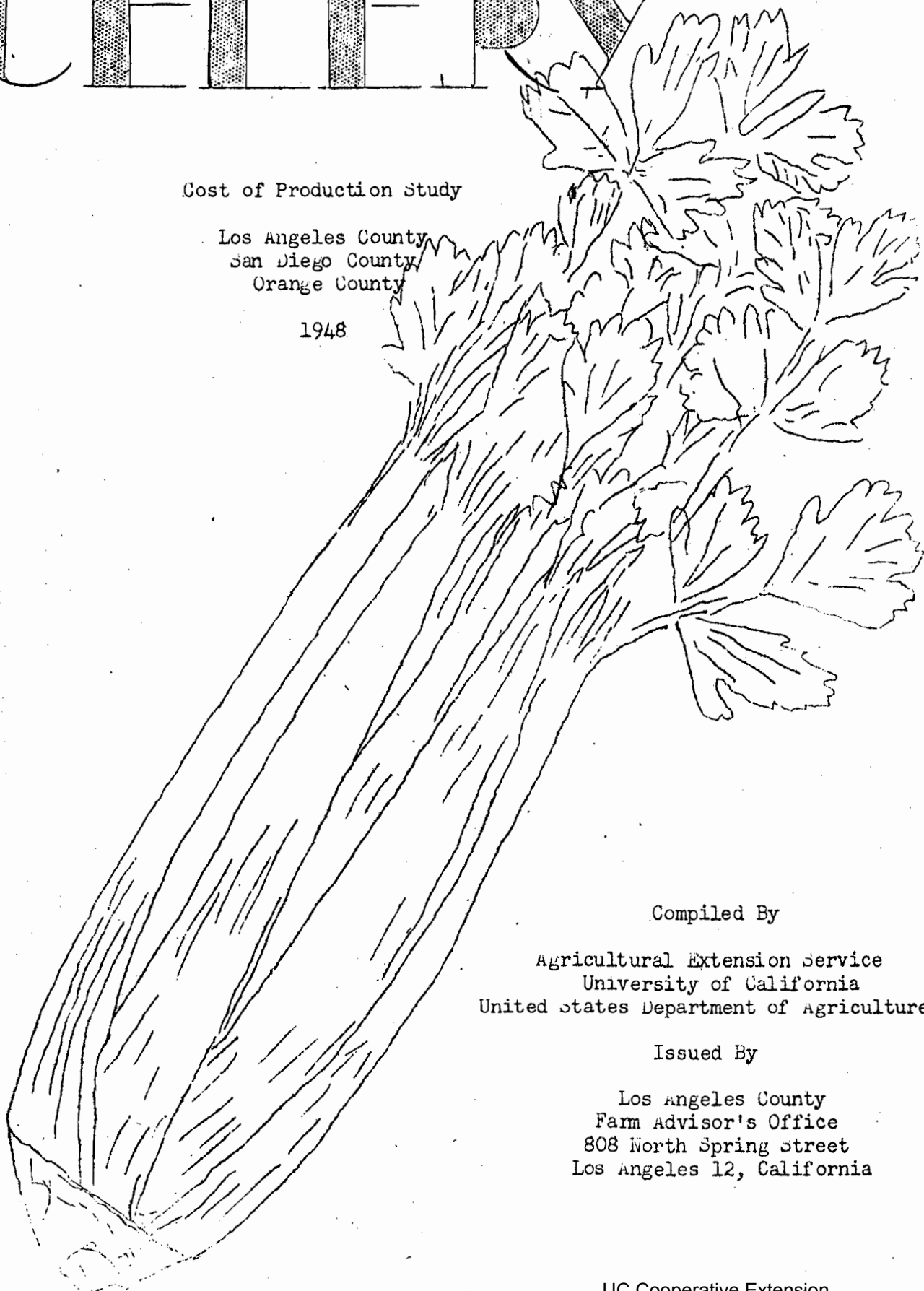


# CHEERUP

Cost of Production Study

Los Angeles County  
San Diego County  
Orange County

1948



Compiled By

Agricultural Extension Service  
University of California  
United States Department of Agriculture

Issued By

Los Angeles County  
Farm Advisor's Office  
808 North Spring Street  
Los Angeles 12, California

CELERY PRODUCTION, COSTS AND ANALYSIS

1947-48

Los Angeles - Orange - San Diego

An analysis of costs and management practices on 8 ranches producing Winter and Spring celery on 349 acres in three southern California counties.

Statistical tables show the California and U. S. acreage, production, average yield per acre, and prices.

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The Agricultural Extension Service

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cooperating with  
Celery Growers

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## Introduction

This study of the cost of producing celery has been prepared at the request of celery growers. The tables were compiled from data furnished by eight growers. Two were located in the Venice district in Los Angeles County, three in Orange County, and three in San Diego County.

It should not be assumed that the averages presented in these tables are averages for the industry. The sample is too small for that purpose and conditions vary widely in the different celery producing areas and even from ranch to ranch in the same area.

However, this statistical analysis will give the grower some idea about how costs are distributed and about what he may expect in the way of costs under similar conditions in the production of winter and spring celery.

The eight records in this analysis consist of 349 acres with an average yield of 978 packed crates per acre. The total costs per acre averaged \$2072.54. All costs up to harvest averaged \$1010.34, while all harvesting and packing costs, including crates, etc., averaged slightly more, \$1062.20 per acre.

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Calculated on a per crate basis, the pre-harvest cost averaged \$1.04 and harvesting and packing \$1.08, making a total of all costs of \$2.12.

Some of the major items of costs that could well receive careful consideration are: (1) harvesting and packing, (2) plants and planting methods, (3) fertilizers, (4) irrigation practice, (5) pest control.

Fertilizer practices varied widely between farms in both amounts and kinds of fertilizer used as shown in table 5. Pounds of nitrogen per acre ranged from 498 to 1609, with an average of 879. It appears that cost of this operation could be materially reduced on most farms with no reduction in yield or quality.

Harvesting and packing costs were greater than the cost of growing the crop up to harvest. The difference between cost of field packing and shed packing was primarily a labor cost. It appears that growers could find some means of reducing cost of this item.

A careful study of these tables should indicate to the cooperator the strong and weak spots in his management practice and assist others in analyzing their costs.

Table 1 - Main Factors in the Cost of Producing Celery - per Acre

| Serial no.      | Yield per A. (crates) | Pre-harvest costs per A. |        |              |                |                    |                   |         | Harvesting and packing costs |            |                      |          |                            |                        | Total all costs |                           |
|-----------------|-----------------------|--------------------------|--------|--------------|----------------|--------------------|-------------------|---------|------------------------------|------------|----------------------|----------|----------------------------|------------------------|-----------------|---------------------------|
|                 |                       | Lab.&field pow.          |        | All material | Cash over-head | Depreciation costs | Interest and rent | Total   | Cut and trim                 | Field pack | Pack-ing house labor | Haul-ing | Total hvst.& packing labor | Mater-ial crates, etc. |                 | Total hvst.& packing cost |
| Pre-plant prep. | Plant to harvest      |                          |        |              |                |                    |                   |         |                              |            |                      |          |                            |                        |                 |                           |
| 1               | 1154                  | 52.98                    | 277.85 | 583.75       | 95.75          | 57.10              | 113.70            | 1181.13 | 138.46                       | -          | 680.77               | 92.31    | 911.54                     | 484.62                 | 1396.16         | 2577.29                   |
| 2               | 1106                  | 8.97                     | 136.06 | 406.31       | 76.31          | 4.28               | 68.39             | 700.32  | 331.68*                      | -          | -                    | -        | 331.68                     | 541.74                 | 873.42          | 1573.74                   |
| 3               | 1097                  | 37.13                    | 205.87 | 525.67       | 76.94          | 28.84              | 69.56             | 944.01  | 138.54                       | -          | 647.10               | 115.45   | 901.09                     | 460.65                 | 1361.74         | 2305.75                   |
| 4               | 1027                  | 39.37                    | 179.53 | 504.69       | 136.85         | 9.93               | 101.24            | 971.61  | 184.86                       | -          | 636.74               | 71.89    | 893.49                     | 441.61                 | 1335.10         | 2306.71                   |
| 5               | 1000                  | 54.99                    | 213.74 | 766.60       | 98.39          | 8.33               | 70.83             | 1212.88 | 250.00*                      | -          | 5.00                 | 255.00   | 440.00                     | 695.00                 | 1907.88         |                           |
| 6               | 1000                  | 64.20                    | 191.12 | 672.62       | 80.15          | 6.33               | 52.59             | 1067.01 | 200.00*                      | -          | -                    | 200.00   | 455.00                     | 655.00                 | 1722.01         |                           |
| 7               | 804                   | 16.84                    | 225.16 | 383.00       | 100.31         | 7.27               | 24.87             | 757.45  | 160.80                       | -          | 402.00               | 50.20    | 613.00                     | 361.80                 | 974.80          | 1732.25                   |
| 8               | 725                   | 31.87                    | 183.55 | 404.27       | 99.92          | 13.97              | 71.31             | 804.89  | 253.75*                      | -          | 61.25                | 315.00   | 326.25                     | 641.25                 | 1446.14         |                           |
| AV.             | 978                   | 39.87                    | 224.25 | 509.93       | 123.04         | 30.18              | 83.07             | 1010.34 | 637.33                       |            |                      |          | 637.33                     | 424.87                 | 1062.20         | 2072.54                   |

\* includes hauling

The above table presents the average yield (in crates) and the costs per acre broken down into the major items of cost as reported by eight different growers of celery. Two of these growers were in the Venice area in Los Angeles County, three in Orange, and two in Chula Vista and one in San Luis Rey in San Diego County.

Each record in the table is given a serial number and is kept in the same order in subsequent tables. The data shown in the tables were computed from growers' records on their 1947-48 crop. The averages shown here must not be assumed as being an average cost for the industry as a whole, since it is a very small sample and these particular records may not represent average conditions.

This statistical analysis will give the grower a good idea of cost distribution and what to expect in the way of costs in the production of celery under similar conditions. It will also give him a method of analyzing costs so that they can be related to management practice, hence giving him a better basis for making managerial decisions. The grower can compare his costs with others and observe the strong and weak spots in his practices. Subsequent tables break down into greater detail these major factors and operations.

Table 2 - Costs of Production per Crate on Eight Farms in Southern California

| Serial no. | Yield per A. (crates) | Pre-harvest costs per crate |                  |              |               |                    |                      |        | Harvesting and packing costs |            |                     |         |                             |                       |                            |                 |
|------------|-----------------------|-----------------------------|------------------|--------------|---------------|--------------------|----------------------|--------|------------------------------|------------|---------------------|---------|-----------------------------|-----------------------|----------------------------|-----------------|
|            |                       | Labor & field power         |                  | All material | Cash overhead | Depreciation costs | Interest and or rent | Total  | Cut and trim                 | Field pack | Packing house labor | Hauling | Total hvst. & packing labor | Material crates, etc. | Total hvst. & packing cost | Total all costs |
|            |                       | Pre-plant prep.             | Plant to harvest |              |               |                    |                      |        |                              |            |                     |         |                             |                       |                            |                 |
| 1          | 1154                  | \$.05                       | \$.24            | \$.50        | \$.08         | \$.05              | \$.10                | \$1.02 | \$.12                        | -          | \$.59               | \$.08   | \$.79                       | \$.42                 | \$1.21                     | \$2.23          |
| 2          | 1106                  | .01                         | .12              | .37          | .07           | 0                  | .06                  | .63    | .30*                         | -          | -                   | .30     | .49                         | .79                   | 1.42                       |                 |
| 3          | 1097                  | .03                         | .19              | .48          | .07           | .03                | .06                  | .86    | .13                          | -          | .59                 | .10     | .82                         | .42                   | 1.24                       | 2.10            |
| 4          | 1027                  | .04                         | .17              | .49          | .14           | .01                | .10                  | .95    | .18                          | -          | .62                 | .07     | .87                         | .43                   | 1.30                       | 2.25            |
| 5          | 1000                  | .05                         | .22              | .77          | .10           | .01                | .07                  | 1.22   | .25*                         | -          | -                   | .25     | .44                         | .69                   | 1.91                       |                 |
| 6          | 1000                  | .06                         | .19              | .67          | .08           | .01                | .05                  | 1.06   | .20*                         | -          | -                   | .20     | .46                         | .66                   | 1.72                       |                 |
| 7          | 804                   | .02                         | .28              | .48          | .12           | .01                | .03                  | .94    | .20                          | .50        | .06                 | .76     | .45                         | 1.21                  | 2.15                       |                 |
| 8          | 725                   | .04                         | .26              | .56          | .14           | .02                | .10                  | 1.12   | .35*                         | .08        | .43                 | .45     | .88                         | 2.00                  |                            |                 |
| Av.        | 978                   | .04                         | .23              | .52          | .13           | .03                | .09                  | 1.04   | .65                          |            |                     | .65     | .43                         | 1.08                  | 2.12                       |                 |

\* Includes hauling

This table is set up exactly the same as table 1 and the computations are based on the cost per packed crate (approximately 65 pounds). In records 1, 3, and 4 all celery was hauled to a packing house and carefully graded, washed, and packed. In records 7 and 8 a part of the crop was field packed and part was run through the house. The others were field packed. There are two major divisions in the breakdown of costs. All costs up to harvesting, including depreciation, cash overhead, and land costs, are shown in the first section. The cost of bringing the crop up to harvest averaged for the eight records \$1010.34 per acre or \$1.04 per crate. It is interesting to note that the total harvesting and packing costs averaged almost the same, \$1062.20 per acre or \$1.08 per crate. It should be remembered that this average includes some field packed as well as shed packed costs.

Yield per acre is one of the most important factors in reducing costs per crate up to harvesting because many of the per acre costs are more or less fixed regardless of yield. The larger the number of crates that these costs can be divided among, the lower the costs per package. Harvesting and packing costs per acre are almost in direct ratio to the yield.

Table 3 - an Analysis of Labor and Field Power and Certain Materials per Acre

| Serial no. | Yield per A. packed crates | Cost of labor and field power |                      |                      |            |             |            |              |          | Cost of materials |            |          |              |
|------------|----------------------------|-------------------------------|----------------------|----------------------|------------|-------------|------------|--------------|----------|-------------------|------------|----------|--------------|
|            |                            | Pre-plant preparation         | Planting and growing |                      |            |             |            |              |          | Water             | Fertilizer | Plants   | Pest control |
|            |                            |                               | Planting             | Fertilizing          | Irrigation | Cultivation | Hoe & weed | Pest control | Other    |                   |            |          |              |
| 1          | 1154                       | \$52.98                       | \$45.86              | \$11.69              | \$56.49    | \$18.90     | \$ 8.00    | \$29.60      | \$107.31 | \$10.74           | \$199.86   | \$318.40 | \$ 54.75     |
| 2          | 1106                       | 8.97                          | 89.10                | 3.46                 | 12.39      | 3.57        | 19.07      | 8.47         | .00      | 6.88              | 128.99     | 240.00   | 30.44        |
| 3          | 1097                       | 37.13                         | 44.10                | 18.71                | 33.85      | 16.87       | 63.00      | 22.15        | 7.19     | 15.02             | 153.75     | 318.75   | 38.15        |
| 4          | 1027                       | 39.37                         | 38.25                | 27.71                | 26.00      | 27.68       | 49.60      | 10.29        | .00      | 78.44             | 236.57     | 150.00   | 39.68        |
| 5          | 1000                       | 54.99                         | 86.50                | 4.28                 | 40.80      | 37.46       | 16.20      | 28.50        | .00      | 7.50              | 414.10     | 320.00   | 25.00        |
| 6          | 1000                       | 64.20                         | 28.80                | Included in material | 59.52      | 24.00       | 38.40      | 40.40        | .00      | 18.60             | 260.62     | 350.00   | 43.40        |
| 7          | 804                        | 16.84                         | 25.00                | 25.68                | 32.20      | 9.60        | 28.35      | 91.80        | 12.53    | 6.00              | 217.00     | 105.00   | 55.00        |
| 8          | 725                        | 31.87                         | 24.50                | 10.76                | 32.00      | 13.26       | 70.00      | 11.03        | 22.00    | 73.00             | 135.00     | 148.75   | 47.52        |
| Av.        | 978                        | 39.87                         | 41.78                | 12.76                | 41.17      | 16.82       | 36.10      | 27.44        | 48.18    | 29.76             | 187.90     | 244.83   | 47.44        |

One of the most striking characteristics of this analysis is the wide variation in the costs of individual operations and the input of labor and materials. Some of this can be explained by the fact that heavy soils require a lot more work in tillage operations, water is more expensive and difficult to apply in some areas than others, needs for pest control will vary with time and place, but a great deal of it can be laid at the door of the individual manager. His decisions as to "what and how much" and the skill and technique with which he performs are basic in determining costs.

These tables showing the costs of different operations and materials used by individual operators and the average for all should indicate to him the items in his practice that would need a more careful analysis to determine why this is so. Some items, of course, like irrigation water cost just so much and that's what has to be paid, but many items like fertilizer, number of cultivations, etc. depend on the decision of the manager. Every item of expense and input of material should be tested with the question, "Will it pay?" Will the increased yield and income more than pay for this item of costs?

Table 4 - Total Labor and Material Cost for Certain Operations - Per Acre

| Serial no. | Soil type          | Previous crop      | Date planted      | Date harvest       | Planting       |                      |                              | Irrigation |                    |                              | Pest control    |                |                              |
|------------|--------------------|--------------------|-------------------|--------------------|----------------|----------------------|------------------------------|------------|--------------------|------------------------------|-----------------|----------------|------------------------------|
|            |                    |                    |                   |                    | Plant distance | Number plants per A. | Total costs labor & material | No. times  | Acre inches per A. | Total costs labor & material | No. times spray | No. times dust | Total costs labor & material |
| 1          | Silt & clay loam   | Beans & other veg. | Dec. 1-<br>Mar.15 | April 15           | 23 x 6         | 41392                | \$364.26                     | 20         | 79.8               | \$ 67.23                     | 5               | -              | \$ 84.35                     |
| 2          | Loam               | Celery & pasture   | Sept.             | Feb.-Apr.          | 30 x 7         | 30000                | 329.10                       | 13         | 19.4               | 19.27                        | 8               | -              | 38.91                        |
| 3          | Yolo med. to heavy | Spinach            | Dec. 1-<br>Mar.17 | Apr.12-<br>June 30 | 23 x 6         | 31900                | 362.85                       | 21         | 41.0               | 48.87                        | 4               | 3              | 60.30                        |
| 4          | Med-Heavy          | vegetables         | Sept. 5           | Jan. 20            |                | 30000                | 188.25                       | 13         | -                  | 104.44                       | 8               | 0              | 49.97                        |
| 5          | Heavy(peat)        | vegetables         | Jan.              | Apr.-June          |                | 40000                | 406.50                       | 14         | -                  | 48.30                        | 4               | 1              | 53.50                        |
| 6          | Sandy loam         |                    | Aug.15            | Feb.-Apr.          |                | 35000                | 378.80                       | 31         | 104.0              | 78.12                        | 3               | 2              | 83.80                        |
| 7          | Sandy loam         | vegetables         | Oct.5             | Jan.-Mar.<br>15    |                | 35000                | 130.00                       | 23         | -                  | 38.20                        | 25              |                | 146.80                       |
| 8          | aliso sandy & clay | Vegetables         | Aug.25            | Jan.-Apr.          | 30 x 6         | 35000                | 173.25                       | -          | -                  | 105.00                       | 6               | 4              | 55.10                        |
| AV.        |                    |                    |                   |                    |                |                      | 286.61                       |            |                    | 70.93                        |                 |                | 74.88                        |

Table 4 presents certain factors that have a direct bearing on yields, costs, and management practices. Certain costs that are important and are largely under the control of the manager are set up to focus attention upon them.

Getting the plants set in the field averaged \$286.61 per acre. Yet the costs varied from \$130.00 to \$406.50. Our observation is that there is a great difference in the way growers do this. Growers with higher costs would do well to look into more efficient methods.

The cost of pest control averaged \$74.88 per acre. Here again costs varied widely, ranging from \$38.91 to \$146.80.

The cost of fertilizing averaged \$200.66 per acre with a range of \$132.45 to \$418.38. Note the total number of pounds of nitrogen applied per acre. Tests and observations show that nitrogen is the only fertilizer that has increased celery production. On most soils 400 pounds of nitrogen per acre is adequate for maximum yield.

Continuation of Table 4

| Serial number | Fertilizing                                     |   |                          |                                | Variety of celery | Land preparation and cultivation |                   |        |              |
|---------------|---|---|--------------------------|--------------------------------|-------------------|----------------------------------|-------------------|--------|--------------|
|               | Kind  | Pounds per acre                               | Pounds nitrogen per acre | Total costs labor and material |                   | Number times over land           |                   |        |              |
|               |   |   |                          |                                |                   | Land preparation                 | Power cultivation | Hoeing | Hand weeding |
| 1             | Chick<br>10-5-5<br>ca cyn<br>am. nit.           | 5000 )<br>4615 )<br>700 )<br>100 )            | 532                      | \$211.55                       | Utah special      | 11                               | -                 | 2      | 0            |
| 2             | Chick<br>8-8-4                                  | 28500 )<br>1176 )                             | 807                      | 132.45                         | Utah special      | 5                                | 2                 | 2      | 1            |
| 3             | Chick<br>manure<br>10-5-5<br>am. nit.<br>ca cyn | 6000 )<br>20000 )<br>3000 )<br>250 )<br>150 ) | 762                      | 172.46                         | Utah special      | 15                               | 4                 | 1      | 0            |
| 4             | Chick<br>8-8-4<br>16-20                         | 29429 )<br>4000 )<br>1200 )                   | 1056                     | 264.28                         | Utah special      | 12                               | -                 | 2      | 3            |
| 5             | Chick<br>8-8-4<br>NH <sub>3</sub>               | 8000 )<br>5700 )<br>13 )                      | 667                      | 418.38                         | Utah special      | 11                               | 8                 | 1      | 2            |
| 6             | Chick<br>Dairy                                  | 36364 )<br>100000 )                           | 1609                     | 260.62                         | Utah special      | 8                                | 6                 | 2      | 0            |
| 7             | Chick<br>Dairy<br>8-8-4<br>NH <sub>3</sub>      | 19637 )<br>29455 )<br>2000 )<br>300 )         | 1100                     | 242.68                         | Utah special      | 7                                | 4                 | 2      | 1            |
| 8             | 8-8-4<br>am. nit.                               | 500 )<br>300 )                                | 498                      | 145.76                         | Utah special      | 16                               | 5                 | 2      | 2            |
| AV.           |   |   | 872                      | 200.66                         |                   |                                  |                   |        |              |



Table 5 - Celery: U. S. Acreage and Production - Average Yield and Farm Price

| Crop and state   | Acreage           |        |        | Production        |        |        | Average yield per acre |       |      | Average farm price |      |      |
|------------------|-------------------|--------|--------|-------------------|--------|--------|------------------------|-------|------|--------------------|------|------|
|                  | 10 yrs. 1935-1944 | 1945   | 1946   | 10 yrs. 1935-1944 | 1945   | 1946   | 10 yrs. 1935-1944      | 1945  | 1946 | 10 yrs. 1935-1944  | 1945 | 1946 |
|                  |                   |        |        | 1,000 crates*     |        |        | crates*                |       |      | dollars per crate  |      |      |
| <u>Winter</u>    |                   |        |        |                   |        |        |                        |       |      |                    |      |      |
| California       | 1,780             | 1,800  | 2,500  | 1,213             | 1,350  | 1,562  | 681                    | 750   | 625  | 1.70               | 3.15 | 2.60 |
| Florida          | 5,060             | 6,800  | 8,550  | 2,636+            | 3,706+ | 4,249+ | 521                    | 545   | 497  | 1.81               | 3.00 | 2.15 |
| Arizona          | -                 | 250    | 930    | -                 | 201    | 442    | -                      | 804   | 475  | -                  | 3.15 | 2.85 |
| Total            | 6,840             | 8,850  | 11,980 | 3,849             | 5,257  | 6,253  | 563                    | 594   | 522  | 1.77               | 3.04 | 2.31 |
| <u>Spring</u>    |                   |        |        |                   |        |        |                        |       |      |                    |      |      |
| California       | 1,520             | 1,800  | 2,250  | 1,235             | 2,034  | 2,182  | 813                    | 1,130 | 970  | 1.90               | 3.35 | 1.85 |
| Florida          | 2,510             | 4,250  | 4,900  | 1,186+            | 1,806+ | 2,190+ | 473                    | 425   | 447  | 2.25               | 4.45 | 2.50 |
| Total            | 4,030             | 6,050  | 7,150  | 2,421             | 3,840  | 4,372  | 601                    | 635   | 611  | 2.08               | 3.86 | 2.17 |
| <u>Late fall</u> |                   |        |        |                   |        |        |                        |       |      |                    |      |      |
| California       | 10,100            | 11,700 | 10,000 | 3,009             | 3,978  | 4,300  | 298                    | 340   | 430  | 1.89               | 3.15 | 1.80 |
| Idaho            | 15                | -      | -      | 7                 | -      | -      | 467                    | -     | -    | .82                | -    | -    |
| New Jersey       | 520               | 500    | 600    | 109               | 110    | 138    | 210                    | 220   | 230  | 1.78               | 2.50 | 1.10 |
| Total            | 10,640            | 12,200 | 10,600 | 3,125             | 4,088  | 4,438  | 294                    | 335   | 419  | 1.79               | 3.13 | 1.78 |
| Total Calif.     | 13,400            | 15,300 | 14,750 | 5,457             | 7,362  | 8,044  | 407                    | 481   | 545  | 1.85               | 3.21 | 1.97 |
| Total U.S.#      | 39,570            | 43,890 | 48,250 | 16,227            | 19,622 | 23,329 | 410                    | 447   | 484  | 1.68               | 3.19 | 1.91 |

\* Equivalent 1/2 size crate (approximately 65 pounds).

+ Includes some quantities not harvested.

# Includes summer and early fall crops.

Sources of data: U.S. Bur. Agr. Econ. 1947 Annual Summary of Commerical Truck Crops for Fresh Market. December, 1947.

U. S. Dept. Agr. Agricultural Statistics 1947. p.233.

Table 6 Celery: California Acreage by Counties

| Crop and County  | Acreage by years |        |        |        |        |       |
|------------------|------------------|--------|--------|--------|--------|-------|
|                  | 1942             | 1943   | 1944   | 1945   | 1946   | 1947  |
| <u>Winter</u>    |                  |        |        |        |        |       |
| San Diego        | 1,000            | 600    | 900    | 850    | 1,300  | 1,200 |
| Tulare           | 50               | 120    | 110    | 290    | 500    | 700   |
| Los Angeles      | 750              | 500    | 400    | 500    | 500    | 500   |
| Orange           | 400              | 250    | 100    | 100    | 100    | 100   |
| All others       | 130              | 130    | 90     | 60     | 100    | 70    |
| Total            | 2,330            | 1,600  | 1,600  | 1,800  | 2,500  | 2,570 |
| <u>Spring</u>    |                  |        |        |        |        |       |
| Los Angeles      | 1,000            | 750    | 1,000  | 1,500  | 1,800  | 1,500 |
| Santa Clara      | 100              | 50     | 50     | 100    | 150    | 200   |
| Orange           | 100              | 50     | 50     | 50     | 100    | 100   |
| San Diego        | 50               | 30     | 50     | 50     | 50     | 50    |
| All others       | 150              | 70     | 100    | 100    | 150    | 150   |
| Total            | 1,400            | 950    | 1,250  | 1,800  | 2,250  | 2,000 |
| <u>Late fall</u> |                  |        |        |        |        |       |
| San Joaquin      | 5,200            | 6,000  | 5,200  | 6,200  | 5,000  | 4,200 |
| Monterey         | 850              | 1,400  | 1,500  | 2,150  | 1,600  | 2,100 |
| Santa Barbara    | 900              | 1,300  | 1,500  | 1,500  | 1,400  | 600   |
| San Luis Obispo  | -                | -      | -      | 350    | 50     | 700   |
| Santa Clara      | 400              | 500    | 600    | 500    | 750    | 600   |
| Los Angeles      | 600              | 750    | 500    | 400    | 400    | 400   |
| All others       | 500              | 700    | 700    | 800    | 800    | 800   |
| Total            | 8,450            | 10,650 | 10,000 | 11,900 | 10,000 | 9,400 |

Source of data: California Crop and Livestock Reporting Service. Vegetable Crops in California. April 1948.  
pp. 13-14.

Table 7 Celery: California State Summary

| Year | Acreage |        |           | Average yield per acre        |        |           | Unit value |                |           |
|------|---------|--------|-----------|-------------------------------|--------|-----------|------------|----------------|-----------|
|      | Winter  | Spring | Late fall | Winter                        | Spring | Late fall | Winter     | Spring         | Late fall |
|      |         |        |           | <u>1/2 crates (65 pounds)</u> |        |           |            | <u>dollars</u> |           |
| 1938 | 1,950   | 1,850  | 10,170    | 753                           | 825    | 266       | .90        | 1.09           | 1.31      |
| 1939 | 1,730   | 1,600  | 10,300    | 811                           | 947    | 319       | 1.14       | .90            | 1.09      |
| 1940 | 1,700   | 1,800  | 9,570     | 837                           | 884    | 332       | 1.22       | 1.50           | 1.14      |
| 1941 | 1,700   | 1,450  | 9,500     | 794                           | 845    | 359       | 1.40       | 1.80           | 1.51      |
| 1942 | 2,330   | 1,400  | 8,450     | 625                           | 735    | 280       | 1.70       | 1.90           | 3.50      |
| 1943 | 1,600   | 950    | 10,650    | 500                           | 955    | 335       | 3.50       | 3.70           | 2.25      |
| 1944 | 1,600   | 1,250  | 10,000    | 680                           | 900    | 320       | 2.50       | 3.15           | 3.25      |
| 1945 | 1,800   | 1,800  | 11,900    | 750                           | 1,130  | 340       | 3.15       | 3.35           | 3.15      |
| 1946 | 2,500   | 2,250  | 10,000    | 625                           | 970    | 430       | 2.60       | 1.85           | 1.80      |
| 1947 | 2,570   | 2,000  | 9,400     | 725                           | 1,260  | 550       | 3.10       | 3.90           | 1.80      |

Source of data: California Crop and Livestock Reporting Service. Vegetable Crops in California. April, 1948. pp. 14-14.