



## Summary of 2009 Ridge and Indian River-South Florida Citrus Custom Rate Charges

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This year's annual questionnaire surveys were conducted through the mail from April through May, 2009. Twenty citrus caretakers participated in the Central Florida-Ridge area survey, while fifteen citrus caretakers participated in the Indian River-South Florida area survey. Cooperatives, their members, and growers performing their own cultural practices were not included in this study. The author expresses sincere thanks to those caretakers and their staffs who took time from their busy schedules to report their custom charges.

The Ridge caretakers reported servicing 60,182 acres planted to citrus or 3,344 acres per caretaker. The Indian River-South Florida participants serviced 53,580 total acres or 4,122 acres per caretaker. These acreages represent 24% and 18% of the total citrus acres in the two survey regions, respectively.

A majority of Indian River-South Florida growers perform their own cultural practices. During the past few years, there has been a consolidation among citrus caretaker firms along with citrus grove acreage resulting in fewer citrus caretakers participating in the annual study. Also, from 2004 to 2009, primarily due to the citrus canker eradication program, real estate development, and the removal of HLB-citrus greening symptomatic trees, there has been a 29% reduction of the citrus acreage in the Indian River-South Florida region compared to a 17% acreage reduction in the Central Florida-Ridge citrus region.

The itemized custom rates, expressed as the low and high rate reported, along with the average of the rates for the 2009 surveys are the most current available (Tables 1 and 2). During the past several years, more citrus caretakers have been reporting the use of electronic sensing technology as shown in the spraying section on the 2009 summary of the citrus caretaker custom rate charges. Unlike the 2008 production season where high fuel costs resulted in an 11% overall average increase in caretaker rates compared to 2007, the 2009 custom citrus caretaker rates showed very little change over the 2008 rates. Custom rates for growers who are members of cooperatives and costs for growers who conduct their own cultural practices may differ from these average caretaker rates.

Additional information on citrus budgeting and cost analysis and harvesting charges (pick, roadside and hauling) can be obtained by contacting your County Extension Citrus Agent or going to the UF/IFAS EDIS website: <a href="http://edis.ifas.ufl.edu">http://edis.ifas.ufl.edu</a> or UF/IFAS CREC website:

www.crec.ifas.ufl.edu/extension/economics

Table 1. A listing of 2009 custom rates reported by twenty Ridge citrus caretakers

| Grove Practice                                  | Unit | Range of Rate<br>Reported |                           | Average<br>Rate <sup>y</sup> | e             | C   | Comments       |                     |
|---|------|---------------------------|---------------------------|------------------------------|---------------|---|----------------|---------------------|
| CULTIVATION AND EQUIPMENT:                      |      |                           |                           |                              |               |   |                |                     |
| Labor   | Hour | \$12.80-                  | \$20.00                   | \$15.08                      | Plus transp   | ortation                                      |                |                     |
| Mechanic Labor                                  | Hour | 25.00-                    | 35.00                     | 32.41                        |               |   |                |                     |
| Mechanic Labor with Truck                       | Hour | 39.50-                    | 65.00                     | 48.71                        |               |   |                |                     |
| Rotovate  | Hour | 40.00-                    | 55.00                     | 43.13                        | i             |   |                |                     |
| Disc 7'   | Hour | 33.50-                    | 40.00                     | 36.50                        | Averaged      | \$12.25/acre                                  |                |                     |
| Disc 9'-10'                                     | Hour | 34.00-                    | 54.00                     | 42.00                        | )             |   |                |                     |
| Disc 9'-10'                                     | Acre | 10.00-                    | 13.07                     | 11.37                        | One-way o     | liscing                                       |                |                     |
| Chop  | Hour | 33.50-                    | 50.00                     | 38.40                        | Averaged      | \$11.00/acre                                  |                |                     |
| Mow 5'-7'                                       | Hour | 31.10-                    | 40.00                     | 35.62                        |               |   |                |                     |
| Mow 9'-12'                                      | Hour | 36.00-                    | 42.00                     | 38.22                        |               |   |                |                     |
| Mow 5'-7'                                       | Acre | 12.00-                    | 14.00                     | 12.88                        | }             |   |                |                     |
| Mow 9'-12'                                      | Acre | 11.00-                    | 14.00                     | 12.56                        | •             |   |                |                     |
| Mow 15'-16'                                     | Acre | 13.25-                    | 14.00                     | 13.69                        | Averaged      | \$40.00/hour                                  |                |                     |
| Herbicide <sup>z</sup> (Strip/BandSingle Boom)  | Acre | 14.00-                    | 21.00                     | 15.77                        | Plus mater    | rials   |                |                     |
| Herbicide <sup>z</sup> (Strip/BandDouble Boom)  | Acre | 12.50-                    | 18.90                     | 15.27                        | Plus mater    | rials   |                |                     |
| Herbicide <sup>z</sup> (Chemical Mow)           | Acre | 3.50-                     | 8.00                      | 4.75                         | Plus mater    | rials   |                |                     |
| Temik <sup>z</sup>                              | Acre | 15.00-                    | 20.00                     | 16.40                        | Plus mater    | rials   |                |                     |
| Plow  | Hour | 29.80-                    | 40.00                     | 35.33                        |               |   |                |                     |
| Deviner   | Hour | 30.00-                    | 50.00                     | 41.75                        | i             |   |                |                     |
| Bush Hog  | Hour | 31.00-                    | 50.00                     | 42.08                        | }             |   |                |                     |
| Backhoe   | Hour | 45.00-                    | 55.00                     | 49.82                        | One report    | ing Backhoe-E                                 | Excavation: S  | \$125.00/hour       |
| Pickup Truck with Driver                        | Hour | 30.00-                    | 48.00                     | 37.20                        | One report    | ing \$25.00/day                               | y; Average mi  | iles/year: 27,133   |
| Flatbed Transport Truck with Driver             | Hour | 40.00-                    | 85.00                     | 59.17                        |               | niles/year: 33,6                              |                | -                   |
| Tractor with Driver                             | Hour | 29.00-                    | 45.00                     | 35.47                        | ,             |   |                |                     |
| Water/Supply Truck                              | Hour | 33.25-                    | 52.00                     | 39.06                        |               |   |                |                     |
| ATV with Driver                                 | Hour | 22.50-                    | 39.00                     | 27.57                        | 1             |   |                |                     |
| SPRAYING: <sup>2</sup> PTO AIR BLAST SPRAYER    |      |                           |                           |                              |               |   |                |                     |
|   |      |                           | 0 Gallon T<br>lectronic S |                              |               | 1,000 Gallon Tank without  Electronic Sensing |                |                     |
|   |      | Low                       | High                      | Avei                         | age           | Low   | High           | Average             |
| 500 GPA   | Acre | \$40.00-                  | \$45.00                   | \$41.                        |               | \$ —  | \$ —           | \$ —                |
| 250 GPA   | Acre | 30.00-                    | 38.75                     | 34.                          |               | 30.00-  | 40.00          | 34.96               |
| 150 GPA   | Acre | 26.00-                    | 33.00                     | 29.                          | 88            | 30.00-  | 35.00          | 31.80               |
| 125 GPA   | Acre | 25.00-                    | 30.00                     | 28.                          |               | 24.50-  | 32.50          | 27.13               |
| 100 GPA   | Acre | 22.00-                    | 30.00                     | 24.                          |               | 22.00-  | 27.00          | 24.89               |
| Low Volume Psyllid Spray                        |      |                           |                           |                              | •             | •   |                |                     |
| (every other middle)                            | Acre | 5.00-                     | 10.00                     | 6.                           | 88            |   |                |                     |
| FERTILIZE AND SOIL AMENDMENTS: <sup>z</sup>     |      |                           |                           |                              |               |   |                |                     |
| Inject Liquid Fertilizer into Irrigation System | Hour | \$32.00-                  | \$40.00                   | \$37.66                      | Truck plue le | abor and plus n                               | naterials      |                     |
| Inject Liquid Fertilizer into Irrigation System | Acre | 2.00-                     | 5.00                      | 3.13                         | rruck plus le | and plus II                                   | 1141011418     |                     |
| Dry (Bulk)                                      | Acre | 8.00-                     | 12.00                     | 9.79                         |               |   |                |                     |
| Dry (Bulk) VRT Spreader - Electronic Sensor     |      | 12.00-                    | 13.50                     | 12.38                        |               |   |                |                     |
| Lime or Dolomite                                | Acre | 8.00-                     | 12.00                     | 10.35                        |               |   |                |                     |
| Lime or Dolomite                                | Ton  | 8.00-                     | 12.50                     | 10.33                        |               |   |                |                     |
| Fertilize Young Trees: Hand Spread              | Hour | 12.80-                    | 20.00                     |                              | Plus transpor | rtation and mat                               | terials        |                     |
| Fertilize Foung Trees: Frank Spread             | Hour | 28.50-                    | 40.00                     |                              |               | ls; Average \$1                               |                |                     |
| Airblast Spreader with Gator for Resets         |      | /hour plus m              |                           | 55.00                        | i ius materia | is, Avelage \$1                               | 0.00/acre      |                     |
| IRRIGATION:                                     |      |                           |                           |                              |               |   |                |                     |
| Microsprinkler                                  | Hour | 30.00-                    | 38.00                     | 33.44                        | Start/stop an | d supervision;                                | truck and driv | ver                 |
| ATV with Driver                                 | Hour | 30.00-                    | 35.00                     |                              |               |   |                | stem-plus materials |

Table 1. A listing of 2009 custom rates reported by twenty Ridge citrus caretakers (cont'd.)

| Grove Practice  | Unit          | Range of Rate Unit Reported |             | Average<br>Rate <sup>y</sup> | Comments   |  |  |  |  |
|---|---------------|-----------------------------|-------------|------------------------------|--|--|--|--|--|
| -   |               | ·F·                         |             |                              |  |  |  |  |  |
| REMOVING TREES: Tree Shearing (Cutting Tree at Ground Level)                                  | Hour          | \$58.50-                    | \$75.00     | \$66.22                      | Average trees sheared: 5 to 15 trees/hour              |  |  |  |  |
| Front-end Loader  | Hour          | 54.00-                      | 85.00       | 65.95                        | Average trees removed: 5 to 15 trees/hour              |  |  |  |  |
| Bulldozer   | Hour          | _                           | _           | 55.00                        | Avorage nees removed. 5 to 15 nees nour                |  |  |  |  |
| PRUNING:  |               |                             |             |                              |  |  |  |  |  |
| Rehab or Freeze Damage Pruning – \$5.00/tree; Power Saw with Operator - Averaged \$21.43/hour |               |                             |             |                              |  |  |  |  |  |
| Hedging:  |               | •                           |             |                              |  |  |  |  |  |
| Single Side (Tractor Pulled)  | Hour          | \$ —                        | \$ —        | \$ 77.00                     |  |  |  |  |  |
| Double Side (Tractor Mounted)   | Hour          | 175.00-                     | 220.00      | 200.00                       | 5 to 10 acres/hour                                     |  |  |  |  |
| Double Side (Self Propelled)  | Hour          | 265.00-                     | 275.00      | 270.25                       | 8 to 20 acres/hour depending on wood size              |  |  |  |  |
| \$1   | 5/acre to \$2 | 1/acre annu                 | ial cut dep | ending on                    | wood size  |  |  |  |  |
| Topping:  |               |                             |             |                              |  |  |  |  |  |
| Double Sided Topper (Self Propelled)  | Hour          | 265.00-                     | 300.00      | 280.00                       | Avg. 8-15 A depending on wood size type of cut; \$25/A |  |  |  |  |
| Double Sided (Tractor Mounted)  | Hour          | 155.00-                     | 231.00      | 197.75                       |  |  |  |  |  |
| Double Sided (Tractor Pulled)   | Hour          | 175.00-                     | 235.00      | 205.00                       | Gable Cut  |  |  |  |  |
| Limb Lifter/Tree Skirt Trimmer  | Acre          | 20.00-                      | 25.00       | 22.88                        | 3 to 5 acres/hour                                      |  |  |  |  |
| Limb Lifter/Tree Skirt Trimmer (Single Side)  | Hour          | 65.00-                      | 85.00       | 78.34                        |  |  |  |  |  |
| Removing Brush:   |               |                             |             |                              |  |  |  |  |  |
| Haul Brush out of Grove   | Hour          | 39.70-                      | 55.00       | 44.40                        | Tractor-trailer plus 2 people                          |  |  |  |  |
| Front-end Loader (Push Brush)   | Hour          | 54.00-                      | 85.00       | 66.75                        | 2-10 acres/hour  |  |  |  |  |
| Chop/Mow Brush  | Hour          | 35.75-                      | 51.50       | 39.96                        | 3-6 acres/hour; \$9.50/acre                            |  |  |  |  |
| COLD PROTECTION:  |               |                             |             |                              |  |  |  |  |  |
| Annual Maintenance Cost for Wraps   | Tree          | _                           | _           | \$ 0.35                      |  |  |  |  |  |
| Install Wraps   | Each          | 0.30-                       | 0.50        | 0.40                         |  |  |  |  |  |
| OTHER CUSTOM RATES:   |               |                             |             |                              |  |  |  |  |  |
| Plant Resets  | Per Tree      | \$ 1.75-                    | \$ 2.50     | \$ 2.07                      | Stake, plant and first watering                        |  |  |  |  |
| Solid Set Planting  | Per Tree      | 1.00-                       | 1.50        | 1.25                         | Stake, plant and first watering                        |  |  |  |  |
| Grove Management Charge/Month:  |               |                             |             |                              |  |  |  |  |  |
| Supervising Grove Care Operations   | Acre          | 2.50-                       | 6.00        | 3.32                         | In addition to caretaking charges;                     |  |  |  |  |
| H - W - F - WM 1 - C  | D             | 0.05                        | 0.20        | 0.12                         | One reporting 6% of equipment labor charge             |  |  |  |  |
| Handling Fruit Marketing  | Box           | 0.05-                       | 0.20        | 0.13                         |  |  |  |  |  |
| Supervising/Handling Chemicals/Fertilizer   | 10% to 25%    | % of materia                | ais cost    |                              |  |  |  |  |  |
| Charge for personnel to oversee harvesting  |               |                             |             |                              | Note: One reporting adding a 10% fuel surcharge on     |  |  |  |  |
| operations and coordinate harvest in  |               |                             |             |                              | all billed equipment charges.                          |  |  |  |  |
| different blocks/groves and keeping of  | 10¢/box to    | 20¢/box; a                  | verage 17¢  | /box                         | un omea equipment enuiges.                             |  |  |  |  |
| harvesting labor compliance record.   |               |                             |             |                              |  |  |  |  |  |
| -   |               |                             |             |                              |  |  |  |  |  |
| Total Reported Acreage Provided Grove   |               | 000                         | 10.500      | 2211                         | T . 1  |  |  |  |  |
| Service to:   | Acre          | 800-                        | 12,500      | 3,344                        | Total acres reporting: 60,182                          |  |  |  |  |
|   |               |                             |             |                              |  |  |  |  |  |

<sup>&</sup>lt;sup>z</sup> Plus materials. Caretakers reporting rates include labor, tractor and sprayer; supply truck included by most caretakers.

Source: Ronald P. Muraro, Extension Farm Management Economist, Lake Alfred CREC, September 2009.

<sup>&</sup>lt;sup>y</sup> Calculated by dividing the total number of caretakers reporting a grove practice rate into the sum reported. Unless otherwise stated, labor included with all charges.

<sup>&</sup>lt;sup>x</sup>Low acres is for 2 years regrowth hedging; high acres is for annual maintenance hedging.

Table 2. A listing of 2009 custom rates reported by fifteen Indian River and South Florida citrus caretakers

|   |              | Range o  | Range of Rate Average |               |                               |   |  |  |
|---|--------------|--|-----------------------|---------------|-------------------------------|---|--|--|
| Grove Practice  | Unit         | Repoi  |                       | Ratey         |                               | Comments                                    |  |  |
| CULTIVATION AND EQUIPMENT:                                  |              |  |                       |               |                               |   |  |  |
| Labor   | Hour         | \$ 13.50-  | \$21.75               | \$16.50       | Plus transportation a         | and equipment                               |  |  |
| Mechanic Labor  | Hour         | 36.00-   | 65.00                 | 50.95         | Labor and service tr          |   |  |  |
| Rotovate  | Hour         | 40.00-   | 45.00                 | 42.40         |                               |   |  |  |
| Disc 7-8'   | Hour         | 35.00-   | 40.00                 | 38.33         | One reporting \$10.0          | 0/acre                                      |  |  |
| Disc 10-12'   | Hour         | 38.00-   | 50.00                 | 42.58         |                               |   |  |  |
| Mow: 7-8'   | Hour         | 40.00-   | 46.00                 | 42.58         |                               |   |  |  |
| 9-10'   | Hour         | 33.00-   | 45.00                 | 39.33         | Average \$12.33/acr           | e   |  |  |
| 15-16'  | Hour         | 38.00-   | 60.00                 | 48.65         |                               |   |  |  |
| 15-16'  | Acre         | 10.00-   | 15.00                 | 12.12         |                               |   |  |  |
| V-Mower   | Acre         | 10.00-   | 13.00                 | 11.40         |                               |   |  |  |
| V-Mower   | Hour         | 40.00-   | 50.00                 | 46.25         | D1 4 1 014                    | 22/   |  |  |
| Herbicide <sup>z</sup> (Strip/Band–Single Boom)             | Hour         | 38.00-   | 45.00                 | 41.00         | Plus materials; \$14.         | 33/acre                                     |  |  |
| Herbicide <sup>z</sup> (Strip/Band–Double Boom)             | Acre         | 13.00-<br>3.50-  | 15.50                 | 13.81<br>4.50 | Plus materials Plus materials |   |  |  |
| Herbicide <sup>z</sup> (Chemical Mow)<br>Temik <sup>z</sup> | Acre<br>Acre | 3.30-<br>13.50-  | 5.00<br>17.50         | 14.87         | Plus materials                |   |  |  |
| Plow  | Hour         | 41.00-   | 50.00                 | 43.66         | i ius materiais               |   |  |  |
| Backhoe   | Hour         | 46.00-   | 63.00                 | 52.68         |                               |   |  |  |
| Bush Hog  | Hour         | 40.00-   | 45.00                 | 42.91         |                               |   |  |  |
| Middle Buster   | Hour         | 40.00-   | 50.00                 | 43.59         | With tractor and dri          | ver   |  |  |
| Mound Builder   | Hour         | 40.00-   | 50.00                 | 43.33         | With tractor and dri          |   |  |  |
| Grader Blade  | Hour         | 38.00-   | 45.00                 | 42.50         | Tractor/blade and dr          |   |  |  |
| Water Truck with Driver                                     | Hour         | 35.00  | 42.00                 | 38.60         |                               |   |  |  |
| Pickup Truck with Driver                                    | Hour         | 35.00-   | 50.00                 | 39.00         | Average miles trave           | eled per year: 21,200 miles                 |  |  |
| Flatbed/Transport Truck with Driver                         | Hour         | 65.00-   | 90.00                 | 76.67         | C                             | •   |  |  |
| Tractor with Driver   | Hour         | 33.50-   | 45.00                 | 37.15         |                               |   |  |  |
| ATV with Driver   | Hour         | 23.50-   | 30.00                 | 25.33         |                               |   |  |  |
| SPRAYING: <sup>z</sup>                                      |              |  | PTO AIR               | BLAST         | SPRAYER                       | ENGINE DRIVEN AIR                           |  |  |
| <u>577477770</u> .  |              |  |                       | 00 Gallon     |                               | BLAST SPRAYER                               |  |  |
|   |              |  |                       | Electronic    |                               | 500 Gallon Tank                             |  |  |
|   |              | Lo   | ow                    | High          | Average                       | Average                                     |  |  |
| 500 GPA   | Acre         | \$40.  | .00-                  | \$45.00       | \$42.34                       | \$40.50                                     |  |  |
| 250 GPA   | Acre         | 32.  | -00                   | 38.75         | 36.25                         | 33.00                                       |  |  |
| 125 GPA   | Acre         |  | -00                   | 32.00         | 28.90                         | 29.00                                       |  |  |
| 100 GPA   | Acre         |  | .00-                  | 30.00         | 26.34                         |   |  |  |
| Curtec (25 GPA)   | Acre         | 24.  | .00-                  | 27.00         | 26.23                         |   |  |  |
|   |              |  | PTO AIR BLAST SPRAYER |               |                               |   |  |  |
|   |              |  |                       | 00 Gallon     |                               |   |  |  |
|   |              |  | without               | Electroni     | c Sensing                     |   |  |  |
|   |              | Lo   | w                     | High          | Average                       |   |  |  |
| 250 GPA   | Acre         | \$32.  | .00-                  | \$42.00       | \$36.31                       |   |  |  |
| 125 GPA   | Acre         | 28.  | -00                   | 37.00         | 31.92                         |   |  |  |
| 100 GPA   | Acre         | 25.  | .00-                  | 30.00         | 27.00                         |   |  |  |
| Low Volume Psyllid Spray (every other middle)               | Acre         | 4.   | .00-                  | 10.00         | 6.75                          |   |  |  |
| Aerial I  | Fixed V      | Ving: \$7.50   | /acre @ 1             | 0 gallons     | /acre; \$8.50/acre @ 1        | 5 gallons/acre; \$10/acre @ 20 gallons/acre |  |  |
| FERTILIZING: <sup>z</sup>                                   |              |  |                       |               |                               |   |  |  |
| Inject Liquid Fertilizer into Irrigation System             | Hour         | \$32.00-   | \$40.00               | \$36.67       | Tractor with irrigati         | on pump                                     |  |  |
| Double Boom Liquid Fertilizer Application                   | Acre         |  |                       | 13.75         | This is a second of           |   |  |  |
| Dry (Bulk)  | Acre         |  | 11.00                 |               | Plus materials                |   |  |  |
| Dry (Bulk) VRT Spreader-Electronic Sensor                   |              |  | 13.50                 |               | Plus materials                |   |  |  |
| Lime or Dolomite  | Acre         |  | 10.50<br>21.75        |               | Plus materials                | and materials: 154/tras                     |  |  |
| Fertilize Young Trees: Hand Spread<br>Hand Spread           | Hour         | 13.50- 21.75 16.50 Plus transportation and materials; 15¢/tree reporting \$30.00/hour (ATV John Deere Gator with Airspot Broadcaster) plus materials |                       |               |                               |   |  |  |
| Fert. Spreader  |              |  |                       |               | Plus materials                | 2 mapor broadcaster) prus materiais         |  |  |

Table 2. A listing of 2009 custom rates reported by fifteen Indian River and South Florida citrus caretakers (cont'd.)

| Grove Practice  | Unit  | Range of Rate<br>Reported |          | Average<br>Rate <sup>y</sup> | Comments   |  |  |  |
|---|---|---------------------------|----------|------------------------------|--|--|--|--|
| IRRIGATION:   |   | •                         |          |                              |  |  |  |  |
| Start/Stop, Supervise Irrigation System   | Hour/Run  | \$28.00-                  | \$40.00  | \$34.60                      | Averaged \$4.75/acre/month                             |  |  |  |
| Ditch Mower   | Hour  | 36.00-                    | 45.00    | 42.39                        | Tronged & try by derby mondi                           |  |  |  |
| Water Furrow Disc   | Hour  | 36.00-                    | 50.00    | 43.00                        |  |  |  |  |
| Water Furrow Cleaner  | Hour  | 41.25-                    | 45.00    | 42.31                        |  |  |  |  |
| Water Furrow Shaper   | Hour  | 63.00-                    | 75.00    | 69.00                        |  |  |  |  |
| Rotary Ditcher or Auger   | Hour  | 40.00-                    | 50.00    | 44.17                        |  |  |  |  |
| Microsprinkler/Drip Irrigation Maintenance  | Acre/Month  | 5.00-                     | 7.00     | 5.63                         | Check & repair system; parts extra                     |  |  |  |
| REMOVING TREES:   |   |                           |          |                              |  |  |  |  |
| Front-end Loader  | Hour  | \$65.00-                  | \$85.00  | \$69.17                      | Avg. range 10-20 trees per hour                        |  |  |  |
| Tree Shearing (Cutting Tree at Ground Level)  | Hour  | 65.00-                    | 85.00    | 72.50                        | Avg. range 5-15 trees per hour                         |  |  |  |
| Prepare Site for Replanting   | Tree  | \$0.25                    | - \$1.00 |                              |  |  |  |  |
| PRUNING:  |   |                           |          |                              |  |  |  |  |
| Rehab or Freeze Damage Pruning – \$5.00/tree; Power Saw with Operator - Averaged \$21.43/hour |   |                           |          |                              |  |  |  |  |
| Hedging:  |   |                           |          |                              |  |  |  |  |
| Single Side (Tractor Pulled)  | Hour  | \$ —                      | \$ —     | \$ 77.00                     |  |  |  |  |
| Double Side (Tractor Mounted)   | Hour  | 175.00-                   | 220.00   |                              | 5 to 10 acres/hour                                     |  |  |  |
| Double Side (Self Propelled)  | Hour  | 265.00-                   | 275.00   |                              | 8 to 20 acres/hour depending on wood size              |  |  |  |
| \$15/acre to \$21/acre annual cut depending on wood size                                      |   |                           |          |                              |  |  |  |  |
| Topping:  |   |                           |          |                              |  |  |  |  |
| Double Sided Topper (Self Propelled)  | Hour  | 265.00-                   | 300.00   | 280.00                       | Avg. 8-15 A depending on wood size type of cut; \$25/A |  |  |  |
| Double Sided (Tractor Mounted)  | Hour  | 155.00-                   | 231.00   | 197.75                       |  |  |  |  |
| Double Sided (Tractor Pulled)   | Hour  | 175.00-                   | 235.00   | 205.00                       | Gable Cut  |  |  |  |
| Limb Lifter/Tree Skirt Trimmer  | Acre  | 20.00-                    | 25.00    | 22.88                        | 3 to 5 acres/hour                                      |  |  |  |
| Limb Lifter/Tree Skirt Trimmer (Single Side)  | Hour  | 65.00-                    | 85.00    | 78.34                        |  |  |  |  |
| Removing Brush:   |   |                           |          |                              |  |  |  |  |
| Haul Brush out of Grove (Front-End Loader)  | Hour  | 60.00-                    | 85.00    |                              | Tractor & driver, trailer and 2 workers: \$63.67/hour  |  |  |  |
| Mow/Chop Brush  | Hour  | 35.75-                    | 50.00    | 41.25                        | Averaged \$12.38/acre                                  |  |  |  |
| OTHER CUSTOM RATES:   |   |                           |          |                              |  |  |  |  |
| Install Tree Wraps  | 25¢-75¢/tree depending on type of wrap and number of trees; Annual maintenance cost: 45¢. |                           |          |                              |  |  |  |  |
| Plant Trees (Solid Set)   | Tree  | \$ 1.20-                  | \$ 1.45  |                              | Varies as to density                                   |  |  |  |
| Plant Trees (Resets)  | Tree  | 2.00-                     | 2.50     | 2.29                         | Varies as to the number of resets                      |  |  |  |
| Grove Management Charge/Month:  |   |                           |          |                              |  |  |  |  |
| Supervising Grove Care Operations   | Acre  | 3.50-                     | 9.00     |                              | In addition to caretaking charges                      |  |  |  |
| Handling Fruit Marketing  |   |                           |          | sing and M                   | Iarketing fruit  |  |  |  |
| Supervising/Handling Chemicals/Fertilizer   | 5% to 20% of materials cost   |                           |          |                              |  |  |  |  |
| Total Reported Acreage Provided Grove Service to:   | Acre  | 600-                      | 14,000   | 4,122                        | Total acres reporting: 53,580                          |  |  |  |

<sup>&</sup>lt;sup>z</sup>Plus materials. Caretakers reporting rates include labor, tractor and sprayer; supply truck included by most caretakers.

Source: Ronald P. Muraro, Extension Farm Management Economist, Lake Alfred CREC, September 2009.

<sup>&</sup>lt;sup>y</sup>Calculated by dividing the total number of caretakers reporting a grove practice rate into the sum reported. Unless otherwise stated, labor included with all charges.

<sup>&</sup>lt;sup>x</sup>Low acres is for 2 years regrowth hedging; high acres is for annual maintenance hedging.