



Summary of 2005 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 February through April. Twenty-five citrus caretakers participated in the Ridge area survey, while sixteen 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 68,895 acres planted to citrus or 3,445 acres per caretaker. The Indian River-South Florida participants serviced 48,700 total acres or 4,870 acres per caretaker. A majority of Indian River-South Florida growers conduct 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.

The itemized custom rates, expressed as the low and high rate reported, along with the average of the rates for the 2005 surveys are the most current available (Tables 1 and 2). During the past three years, more citrus caretakers have been reporting the use of **electronic sensing technology** as shown in the **spraying section** on the 2005 summary of the citrus caretaker custom rate charges. 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 UF/IFAS EDIS website: http://edis.ifas.ufl.edu

Chava Prantin	I I.a.!.	Range of Rate Reported		Average			ommont-	
Grove Practice	Unit	керо	rieu	Rate ^y			omments	
CULTIVATION AND EQUIPMENT:		#10.50	#15.00	Ø12 42	DI .			
Labor Mechanic Labor	Hour Hour	\$10.50- 25.00-	\$15.00 45.00	\$13.43 35.05	Plus transp Includes to			
Rotovate	Hour	30.00-	45.00	36.90	merudes u	ruck		
Disc 7'	Hour	30.00-	40.00	33.78				
Disc 9'-10'	Hour	30.00-	40.00	33.22				
Disc 9'-10'	Acre	9.00-	11.00	10.08	One-way o	discing; Disc 7'	\$8.77/acre	
Chop	Hour	30.00-	45.00	33.35				
Chop	Acre	7.50-	11.00	9.41				
Mow 5'-7'	Hour	31.10-	40.00	35.27				
Mow 9'-12'	Hour	34.90-	40.00	35.97				
Mow 5'-7' Mow 9'-12'	Acre Acre	8.00- 8.00-	11.25 12.75	9.95 10.57				
Mow 15'-16'	Acre	10.00-	12.75	11.43				
Herbicide ^z (Strip/BandSingle Boom)	Hour	31.50-	35.00	33.50	Plus mater	rials		
Herbicide ^z (Strip/BandSingle Boom)	Acre	12.00-	17.50	14.58	Plus mater			
Herbicide ^z (Strip/BandDouble Boom)	Acre	12.00-	15.50	14.00	Plus mater	rials; Avg. \$40.	16/hour	
Herbicide ^z (Chemical Mow)	Acre	6.00-	9.75	7.63	Plus mater			
Temik ^z	Acre	14.00-	16.00	14.95	Plus mater	rials		
Plow	Hour	25.00-	35.00	31.25				
Deviner	Hour	22.50	42.50	42.00	0	4: ¢12 00/	_	
Bush Hog Backhoe	Hour Hour	32.50- 42.50-	42.50 75.00	37.07 49.50	One repor	ting \$13.00/acr	9	
Pickup Truck with Driver	Hour	25.00-	35.00	28.99	Average n	niles/year/picku	n: 23.400	
Pickup Truck w/out Driver	Hour	15.00-	20.00	18.73	Average ii	incs/year/picku	р. 23,400	
Flatbed Transport Truck with Driver	Hour	28.50-	50.00	36.65	Average n	niles/year: 24,80	03	
Low-Boy Transport	Hour	50.00-	65.00	55.00		niles/year: 30,0		
Tractor with Driver	Hour	27.00-	35.00	30.42	_	-		
Water/Supply Truck	Hour	28.00-	40.00	32.15				
ATV with Driver	Hour	20.00-	26.50	24.47				
<u>SPRAYING</u> : ^z				РТ	O AIR BLA	ST SPRAYER		
	•	1.0	000 Gallon	Tank with			Gallon Tank	without
			lectronic S		Electronic Sensing			
		Low	High	Avera	age.	Low	High	Average
500 GPA	Acre			40.0		28.00 -	36.00	32.25
250 GPA	Acre	29.00-	35.00	31.9		25.00 -	35.00	30.30
125 GPA	Acre	27.00-	33.00	28.4	9	22.50 -	27.00	24.15
100 GPA	Acre	24.00-	25.00	24.3	34	22.50 -	25.00	22.64
50 GPA	Acre	_	_	_	-	18.50 -	22.50	20.45
Aerial (Bell-47 Helicopter)	\$12.00	@ 5 GPA; \$	16.50 @ 1	0 GPA; \$1	8.50 @ 15 C	GPA; \$25.00 @	20 GPA	
FERTILIZE AND SOIL AMENDMENTS: ²								
Inject Liquid Fertilizer into Irrigation System	Hour	\$32.50-	\$50.00		Truck plus la			
Inject Liquid Fertilizer into Irrigation System	Acre	1.75-	3.50		Average \$66	5.88/irrigation is	njection hook	cup
Liquid Boom Application: Double Boom	Acre	14.75-	17.00	15.74				
Dry (Bulk) Lime or Dolomite	Acre	7.00-	11.00	8.97				
Lime or Dolomite Lime or Dolomite	Acre Ton	8.50- 7.50-	10.75 9.20	9.39 8.15				
Fertilize Young Trees: Hand Spread	Hour	10.50-	15.00		Plus transpo	rtation and mat	erials	
Fert. Spreader	Hour	30.00-	40.00		•	ls; Average \$8.		
Airblast Spreader with Gator for Resets		/hour; \$3.00/				,		
IRRIGATION:		•						
Microsprinkler	Avg. \$	3.47/acre; Av	vg. \$37.50	month !	Start/ston an	d supervision		
Microsprinkler	Hour	25.00-	35.00			d supervision;	ruck and driv	ver
ATV with Driver	Hour	20.00-	26.50					stem-plus materials
Ring Young Trees: Hand Labor	Hour	10.50-	15.00		Plus transpo	-	•	_
Mechanical	Hour	25.00-	27.50	26.42	Labor and ed	quipment		

Table 1.--A listing of 2005 custom rates reported by twenty-five Ridge citrus caretakers (cont'd.)

Grove Practice	Unit	Range of Rate Reported		Average Rate ^y	Comments		
REMOVING TREES:	Omt	Керо	ited	Rate	Comments		
Tree Shearing (Cutting Tree at Ground Level) Front-end Loader Bulldozer Front-end Loader with Tree Spade	Hour Hour Hour Hour	\$50.00- 50.00- —	\$70.00 65.00 —	\$61.25 57.63 50.00 65.00	Average trees sheared: 5 to 20 trees/hour Average trees removed: 5 to 15 trees/hour		
PRUNING:							
Power Saw with Operator Limb Lifter/Tree Skirt Trimmer (Double Sided) Hedging:	Hour Hour	\$17.00- —	\$27.25 —	\$ 21.08 180.00	Plus transportation; Average \$7.00/hour without operator Cover 8-12 acres one pass		
Double Side (Tractor Pulled) Double Side (Tractor Mounted)	Hour Hour	85.00-	100.00	91.32 280.00	Cover 3-5 acres/hour		
Single Side (Self Propelled) Double Side (Self Propelled) ^x Double Side (Self Propelled) ^x	Hour Hour Hour	65.00- 330.00- 190.00-	77.00 340.00 250.00	71.00 336.25 216.67	Cover 10-25 acres/hour depending on wood size Cover 4-12 acres/hour depending on wood size		
Topping: Tractor Pulled	Hour	—		280.00	Cover 5-7 acres/hour		
Tractor Pulled Self Propelled Self Propelled	Hour Hour Hour	375.00- 190.00-	418.00 250.00	105.00 396.50 230.00	Cover 1-3 acres/hour Cover 5-10 acres/hr (Roof Top); 5-20 acres/hr (Flat Top)		
Removing Brush: Haul Brush out of Grove Front-end Loader (Push Brush)	Hour Hour	32.50- 50.30-	47.00 65.00	40.63 58.43	Tractor-trailer/truck; plus 2 people 2-10 acres/hour		
Chop/Mow Brush	Hour	31.00-	47.25	36.62	3-6 acres/hour; Average \$11.63/acre		
COLD PROTECTION: Mechanical (Bank and Unbank) Install Wraps Annual Maintenance Costs	Hour Each Tree	\$ — 0.35- 0.30-	\$ — 0.50 0.50	\$ 28.75 0.43 0.37			
OTHER CUSTOM RATES:							
Plant Resets Solid Set Planting Travel/Setup Charge	Per Tree Per Tree Hour	\$ 2.00- 1.50- —	\$ 3.00 1.75 —	\$ 2.55 1.55 33.33	Stake, plant and first watering Stake, plant and first watering Average for those reporting		
Grove Management Charge/Month: Supervising Grove Care Operations Handling Fruit Marketing Supervising/Handling Chemicals/Fertilizer	Acre Box 15% to 25	2.00- 0.10- % of mater	6.00 0.30 ials cost	3.38 0.17	In addition to caretaking <u>charges</u> ; One reporting 6% of \ <u>equip</u> ment labor charge		
Charge for personnel to oversee harvesting operations and coordinate harvest in different blocks/groves and keeping of harvesting labor compliance record.	10¢/box to) 20¢/box; a	iverage 14	¢/box	Note: One reporting adding a 5% fuel surcharge on all billed equipment charges.		
Consulting	Cultural Management/Horticultural Evaluation - \$50/hr to \$300/hr Financial Analysis Prospectus - \$100/hr to \$300/hr						
Total Reported Acreage Provided Grove Service to:	Acre	800-	15,603	3,445	Total acres reporting: 68,895		

^z 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, July 2005.

^y 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.

^xLow acres is for 2 years regrowth hedging; high acres is for annual maintenance hedging.

Table 2.--A listing of 2005 custom rates reported by sixteen Indian River and South Florida citrus caretakers

Grove Practice	Unit	Range of Repor		Average Rate ^y	Cor	nments		
CULTIVATION AND EQUIPMENT:	-							
Labor	Hour	\$ 9.50-	\$17.5	\$13.56	Plus transportation and equip	ment		
		4 / 10 1	0	4				
Mechanic Labor	Hour	30.00-	50.00	39.56	Labor and service truck			
Rotovate	Hour	33.00-	40.00	37.75				
Disc 7-8'	Hour	27.50-	38.50	33.00				
Disc 10-12'	Hour	32.00-	40.00	35.84				
Mow: 7-8'	Hour	27.50-	35.00	31.14				
9-10'	Hour	31.00-	38.50	33.97				
9-10'	Acre	9.00-	11.00	9.97				
15-16'	Hour	35.00-	41.25	39.85	\$9.00/acre			
V-Mower	Hour	33.00-	35.00	34.34				
Herbicide ^z (Strip/Band–Single Boom)	Hour	30.00-	32.00	31.33	Plus materials			
Herbicide ^z (Strip/Band–Single Boom)	Acre	13.00-	13.75	13.39	Plus materials; \$35.00/hour			
Herbicide ^z (Strip/Band–Double Boom)	Acre	12.00-	14.00	12.75	Plus materials			
Herbicide ^z (Chemical Mow)	Acre	2.50-	3.50	3.07	Plus materials			
Temik ^z	Acre	10.50-	12.50	11.34	Plus materials			
Plow	Hour	32.50-	38.50	34.67				
Backhoe	Hour	45.00-	47.50	45.70				
Middle Buster	Hour	_	_	38.50	With tractor and driver			
Mound Builder	Hour	31.00-	38.50	34.84	With tractor and driver			
Grader Blade	Hour	28.00-	38.50	33.60	Tractor/blade and driver			
Water Truck with Driver	Hour	30.00-	35.00	32.75				
Pickup Truck with Driver	Hour	28.00-	35.00	31.67	Average miles traveled per ye	ear: Pick-up truck - 21,298 mile		
Flatbed/Transport Truck with Driver	Hour	35.00-	50.00	45.00		-		
Tractor with Driver	Hour	28.00-	35.00	31.69				
ATV with Driver	Hour	20.00-	25.00	23.25				
SPRAYING: ^z			PTO AIR	BLAST S	PRAYER			
<u>orraring</u> .		PTO AIR BLAST SPRAYER 1,000 Gallon Tank						
				lectronic S		500 Gallon Tank		
			With L	icetronic 5	ensing	200 Ganon Tank		
		Lo		High	Average	Average		
500 GPA	Acre		_		38.00	39.00		
250 GPA	Acre		00-	36.00	32.92	29.00		
125 GPA	Acre	25.	00-	29.00	28.03	27.00		
Curtec (25 GPA)	Acre	_	_	_	22.00			
Aerial		Wing: \$ 5			ons per acre			
Aerial						r: \$20.00/acre @ 10 GPA		
Aerial					ons per acre			
Aerial					ons per acre			
	Hand S	Sprayer (50	0 gallon t	ank) with t	ractor and 2 workers – \$45.00/	hour		
FERTILIZING: ^z								
	Aara	12.00-	13.40	12.55				
Liquid Boom Application: Double Boom Dry (Bulk)	Acre	7.00-	8.75		Average with VRT: \$10.38/ac	re		
Lime or Dolomite	Acre	7.50-	8.75 8.75	7.90 7.90	Average with VK1: \$10.38/ac	16		
Fertilize Young Trees: Hand Spread	Acre Hour	7.30- 9.50-	17.50		Dlue transportation and metaric	als: 15 d/trae		
Fertilize Young Trees: Hand Spread Fert. Spreader		9.50- e: \$7.25/acr			Plus transportation and materia Plus materials	115, 136/1100		

Table 2.--A listing of 2005 custom rates reported by sixteen Indian River and South Florida citrus caretakers (cont'd.)

Grove Practice	Unit	Range of Rate it Reported		Average Rate ^y	Comments	
	Omt	Кер	orted	Rate	Confinents	
IRRIGATION:	**	#22 00	044.50	A 2 6 20		
Ditch Mower	Hour	\$32.00-	\$44.50	\$ 36.20		
Water Furrow Disc	Hour	30.00-	38.50	34.67		
Water Furrow Cleaner	Hour	35.00-	38.50	36.34		
Water Furrow Shaper (Non-Laser Control)	Hour	_		65.00		
Water Furrow Shaper (Laser Control)	Hour		20.50	80.00		
Rotary Ditcher or Auger	Hour	33.00-	38.50	35.50		
Microsprinkler/Drip Irrigation Maintenance Ac	re/Month	3.50-	4.75	4.25	Check & repair system; parts extra	
REMOVING TREES:						
Front-end Loader	Hour	\$50.00-	\$65.00		Avg. range 3-15 trees per hour	
Tree Shearing (Cutting Tree at Ground Level)	Hour	50.00-	65.00	56.25	Avg. range 5-20 trees per hour	
Prepare Site for Replanting	Tree	\$0.23	5 - \$1.00			
PRUNING:						
Hedging:						
Single Side (Tractor Mounted)	Hour	\$ —	\$ —	\$ 55.00		
Double Side (Tractor Pulled)	Hour		_	65.00		
Double Side (Self Propelled)	Hour	250.00-	265.00	257.50	8 to 20 A/H depending on wood size; \$14/A annual cut	
Double Side Rotary (Self Propelled) ^x	Hour	_	_	185.00	5 to 15 A/H bed tops only; add 25% for furrows only	
Topping:						
Double Sided Topper (Self Propelled)	Hour	265.00-	285.00	275.00	Avg. 8-15 ac depending on wood size type of cut;\$30/acre	
Topping Self Propelled	Hour	_	_	150.00		
Limb Lifter/Tree Skirt Trimmer	Acre	_	_	14.00	3 to 5 acres/hour	
Limb Lifter/Tree Skirt Trimmer (Double Sided Rotary)	Hour		_	120.00	6 to 20 acres/hour	
Removing Brush:						
Haul Brush out of Grove (Front-End Loader)	Hour	55.00-	65.00	59.25		
Mow/Chop Brush	Hour	32.00-	40.00	34.60		
OTHER CUSTOM RATES:						
Install Tree Wraps	15¢-50¢	tree depe	nding on ty	pe of wrap	and number of trees; Annual maintenance cost: 35¢/tree	
Plant Trees (Solid Set)	Tree	\$ 0.90-	\$ 1.75	\$ 1.32	Varies as to density	
Plant Trees (Resets)	Tree	2.00-	2.50	2.17	Varies as to the number of resets	
Travel/Setup Charge	Hour		_	22.62		
Grove Management Charge/Month:						
Supervising Grove Care Operations	Acre	3.00-	7.50	5.15	In addition to caretaking charges	
Handling Fruit Marketing	\$0.10-\$0.25/box – For Supervising and Marketing fruit					
Supervising/Handling Chemicals/Fertilizer	5% to 15% of materials cost					
Charge for personnel to oversee harvesting operations and coordinate harvest in different blocks/groves and keeping of harvesting labor compliance records.	Box	\$ 0.05-	\$ 0.25	\$ 0.15		
Consulting	Hour	\$125.00-	\$200.00	\$150.00	Horticultural Evaluation and/or Financial Analysis/prospectus.	
Total Reported Acreage Provided Grove Service to:	Acre	1,000-	14,000	4,870	Total acres reporting: 48,700	

^zPlus 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, July 2005.

^yCalculated by dividing the total number of caretakers reporting a grove practice rate into the sum reported. Unless otherwise stated, labor included with all charges.

^xLow acres is for 2 years regrowth hedging; high acres is for annual maintenance hedging.