

## 2023/24 Fresh Grapefruit Cost of Production Survey

**Responses are anonymous and confidential. No individual data will be disclosed.**

If you have questions, please contact Dr. Ariel Singerman (863) 956-8870 [singerman@ufl.edu](mailto:singerman@ufl.edu)

Tree density per acre: \_\_\_\_\_ Total acres your operation manages: \_\_\_\_\_

List counties where your operation has groves: \_\_\_\_\_

Please enter all estimates below on a **per acre** basis for a “*typical*” irrigated mature grove (10+ years old).

Program	Annual Materials Cost per Acre	Single Application Cost per Acre		Annual Number of Applications per Acre*	
		Ground	Aerial	Ground	Aerial
Mechanical Mowing					
Chemical Mowing					
Herbicide					
Insecticide		Ground	Aerial	Ground	Aerial
Foliar Nutritionals					
Fungicide					
Adjuvant					
Bio-stimulant					
OTC injections					
Ground/Dry Fertilizer					
Fertigation/Liquid Fertilizer					
pH Management (acidification)					
Soil amendments					
Hedging + Topping + Skirting					
Chop/Mow Brush					

\*If applicable, this refers to spraying every middle (as opposed to every other middle)

Irrigation. Include all of the following:	Annual Cost per Acre
Fuel / electricity for pump	
Travel set-up cost (Start/Stop pump)	
Maintenance and repairs (pump and emitters)	
Ditch and canal maintenance	
Water control (pump water in/out of ditches)	

Item	Annual Cost per Acre
Management Costs (office staff, supervising, etc.)	
Canker control (clean blocks, inspections, decontamination)	
Fly Protocol	
Sub-contracted labor	

Tree replacement	Trees Per Acre
Annual number of trees removed	
Annual number of trees reset	
<b>For resetting:</b>	<b>Cost per Tree</b>
Tree removal (Clip-shear; use front-end loader)	
Site preparation (disk; rotovate)	
Planting (cost of tree + plant and watering)	
Young tree care for years 1, 2, and 3 (e.g.: neonicotinoids, fertilizer, labor)	