

Estimated Cost of Production for Selected Tropical Fruit Crops in Miami-Dade County 2000-01.

This report presents estimated costs of production for nine tropical fruits in Miami-Dade County for the crop year 2000-01. This is the first study of tropical fruit budgets for the major tropical fruit crops in the Miami-Dade County area. Net returns are not estimated due to insufficient time series marketing cost data and F.O.B. prices. The limited data available also risks violation of confidentiality. In addition, estimating and reporting net returns based on a single year observance would not accurately represent the state of the tropical fruit industry.

As with the vegetable budgets, the tropical fruit budgets were constructed using a computerized budget generator program, AGSYS. Technical coefficients used in constructing the budgets were obtained by requests for review by individual growers, county agents, and IFAS researchers. The input prices used in conjunction with the technical coefficients were obtained by surveys of growers and farm suppliers.

The budgets presented in this report are intended to reflect the cost of production incurred when production practices that are considered typical for a mature bearing grove are followed. Long-term establishment expenses are not estimated in this study. What constitutes a typical production practice was defined as a consensus of opinion between IFAS personnel and various producers. It should be emphasized that cost estimates resulting from this process should not be considered as representing the average cost of production in a statistical sense nor should they be considered as necessarily relating to recommended production practices.

The intent of these cost budgets is to establish a benchmark within the range of actual costs that could be expected to maintain the grove and produce the crop. Many factors influence production costs such as weather conditions and input price fluctuations. This especially true when input substitutions must be made. The following nine tables itemize the costs of production for tropical fruits in Miami-Dade County for the 2000-01 season.

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Table 16. Avocado: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre (--Dollars--)
Operating Costs	
Fertilizer	\$425.14
Fungicide	\$121.50
Herbicide	\$151.63
Insecticide	\$11.30
Interest on Operating Capital	\$137.69
Miscellaneous	
Tree Removal and Site Prep	\$4.00
Tree Replacement	\$12.00
Top, Hedge and Prune	\$60.00
Set Trees	\$2.00
Irrigation	\$49.50
Mow Middles	\$80.00
Grove Work and Hand Labor	\$25.00
Grower Association Fees	\$8.00
Total Operating Cost	\$1,087.77
Fixed Costs	
Land Rent	\$446.00
Supervision	\$139.61
Overhead	\$279.21
Total Fixed Costs	\$864.82
Total Pre-harvest Cost	\$1,952.59

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Table 17. Bananas: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre
	(--Dollars--)
Operating Costs	
Fertilizer	\$864.28
Fungicide	\$44.28
Herbicide	\$176.28
Insecticide	\$52.58
Interest on Operating Capital	\$233.72
Miscellaneous	
Tree Removal and Site Prep	\$12.00
Tree Replacement	\$6.00
Pruning	\$64.00
Irrigation	\$150.00
Mow Middles	\$450.00
Grove Work and Hand Labor	\$8.25
Chemical Application	\$96.00
Total Operating Cost	\$2,157.39
Fixed Costs	
Land Rent	\$446.00
Supervision	\$236.97
Overhead	\$473.93
Total Fixed Costs	\$1,156.90
Total Pre-harvest Cost	\$3,314.29

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Table 18. Carambola: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre (--Dollars--)
Operating Costs	
Fertilizer	\$802.81
Fungicide	\$44.28
Herbicide	\$62.00
Insecticide	\$10.35
Interest on Operating Capital	\$319.80
Miscellaneous	
Tree Removal and Site Prep	\$8.00
Tree Replacement	\$12.00
Top, Hedge and Prune	\$300.00
Set Trees	\$2.00
Irrigation	\$150.00
Mow Middles	\$80.00
Grove Work and Hand Labor	\$25.00
Wind Screens	\$1,300.00
Total Operating Cost	\$3,116.25
Fixed Costs	
Land Rent	\$446.00
Supervision	\$324.24
Overhead	\$648.49
Total Fixed Costs	\$1,418.73
Total Pre-harvest Cost	\$4,534.98

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Table 19. Guava: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre
	(--Dollars--)
Operating Costs	
Fertilizer	\$688.29
Fungicide	\$37.24
Herbicide	\$246.00
Insecticide	\$43.50
Interest on Operating Capital	\$252.59
Miscellaneous	
Tree Removal and Site Prep	\$8.00
Tree Replacement	\$10.00
Top, Hedge and Prune	\$270.00
Set Trees	\$2.00
Irrigation	\$165.00
Mow Middles	\$160.00
Grove Work and Hand Labor	\$25.00
Chemical Applications	\$460.00
Total Operating Cost	\$2,367.62
Fixed Costs	
Land Rent	\$446.00
Supervision	\$256.10
Overhead	\$512.21
Total Fixed Costs	\$1,214.31
Total Pre-harvest Cost	\$3,581.93

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Table 20. Longan: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre
	(---Dollars---)
Operating Costs	
Fertilizer	\$291.70
Fungicide	\$11.07
Herbicide	\$62.00
Insecticide	\$128.32
Interest on Operating Capital	\$149.53
Miscellaneous	
Tree Removal and Site Prep	\$8.00
Tree Replacement	\$12.00
Top, Hedge and Prune	\$300.00
Set Trees	\$2.00
Irrigation	\$150.00
Mow Middles	\$80.00
Grove Work and Hand Labor	\$25.00
Total Operating Cost	\$1,219.62
Fixed Costs	
Land Rent	\$446.00
Supervision	\$151.61
Overhead	\$303.22
Total Fixed Costs	\$900.83
Total Pre-harvest Cost	\$2,120.45

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Table 21. Lychee: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre (--Dollars--)
Operating Costs	
Fertilizer	\$295.61
Fungicide	\$55.35
Herbicide	\$62.00
Insecticide	\$83.59
Interest on Operating Capital	\$149.87
Miscellaneous	
Tree Removal and Site Prep	\$8.00
Tree Replacement	\$12.00
Top, Hedge and Prune	\$300.00
Set Trees	\$2.00
Irrigation	\$150.00
Mow Middles	\$80.00
Grove Work and Hand Labor	\$25.00
Total Operating Cost	\$1,223.43
Fixed Costs	
Land Rent	\$446.00
Supervision	\$151.96
Overhead	\$303.91
Total Fixed Costs	\$901.87
Total Pre-harvest Cost	\$2,125.30

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Table 22. Mamey Sapote: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre
	(---Dollars---)
Operating Costs	
Fertilizer	\$599.05
Fungicide	\$64.57
Herbicide	\$119.19
Insecticide	\$166.54
Interest on Operating Capital	\$202.27
Miscellaneous	
Tree Removal and Site Prep	\$4.00
Tree Replacement	\$15.00
Top, Hedge and Prune	\$180.00
Set Trees	\$2.00
Irrigation	\$75.00
Mow Middles	\$266.40
Grove Work and Hand Labor	\$25.00
Chemical Applications	\$80.00
Grower Association Fees	\$8.00
Total Operating Cost	\$1,807.02
Fixed Costs	
Land Rent	\$446.00
Supervision	\$205.08
Overhead	\$410.15
Total Fixed Costs	\$1,061.23
Total Pre-harvest Cost	\$2,868.25

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Table 23. Mango: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre
	(---Dollars---)
Operating Costs	
Fertilizer	\$251.03
Fungicide	\$455.19
Herbicide	\$62.00
Insecticide	\$8.14
Interest on Operating Capital	\$177.47
Miscellaneous	
Tree Removal and Site Prep	\$8.00
Tree Replacement	\$12.00
Top, Hedge and Prune	\$300.00
Set Trees	\$2.00
Irrigation	\$150.00
Mow Middles	\$80.00
Grove Work and Hand Labor	\$25.00
Total Operating Cost	\$1,530.84
Fixed Costs	
Land Rent	\$446.00
Supervision	\$179.94
Overhead	\$359.87
Total Fixed Costs	\$985.81
Total Pre-harvest Cost	\$2,516.65

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Table 24. Papaya: Estimated Production Costs in Miami-Dade County, 2000-01.

Category	Cost per Acre
	(---Dollars---)
Operating Costs	
Fertilizer	\$1,266.66
Fungicide	\$396.23
Herbicide	\$174.40
Insecticide	\$230.28
Interest on Operating Capital	\$273.06
Miscellaneous	
Irrigation	\$150.00
Mow Middles	\$80.00
Grove Work and Hand Labor	\$25.00
Total Operating Cost	\$2,595.63
Fixed Costs	
Land Rent	\$446.00
Supervision	\$276.86
Overhead	\$553.71
Total Fixed Costs	\$1,276.57
Total Pre-harvest Cost	\$3,872.20