

Cost of Production Estimates 2021



PLEASE NOTE:

All COP estimates are stated per kilogram (kg).

The figures presented are not to be construed as establishment costs.

Plant population may also be impacted by other ecological factors and not limited to planting distance only.

Planting distance stated in both centimetres and inches.

Parish	Clarendon
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	3 Months
Planting Distance (l x w)	cm 90 x 60 inches 36 x 12
Planting Population	7260
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,287
Cost of Production \$/Kg	\$60

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Dig Holes	MD	10	2500	25,000
Prepare Planting Material	MD	4	2500	10,000
Make Mounds	MD	10	2500	25,000
Planting	MD	6	2500	15,000
Stake and tie	MD	6	2500	15,000
Weed Control	MD	20	2500	50,000
Fertiliser Application	MD	2	2500	5,000
Harvesting	MD	15	2500	37,500
Lunch		83	500	41,500
SUBTOTAL				249,000

Material Inputs						
Planting Material		Heads (lbs)	1000		60	60,000
Stakes		each	1000		10	10,000
Fertiliser:						
NPK 14.28.14		50 kg	3		6500	19,500
Ammonium Sulphate		50 kg	2		3500	7,000
Herbicide:						
Glyphosate		Gallon	1		5100	5,100
SUBTOTAL						101,600

Other Costs						
**Tools discounted for 5 years						9400
Transportation (10 per cent of material)						10160
Land Charges per crop cycle						12500
Supervision (15 percent of labour and material)						52590
SUBTOTAL						\$84,650
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						\$435,250

Parish	Clarendon
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in (l x w)	Broadcast
Planting Population	-
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	5,972
Cost of Production \$/Kg	\$45

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Ploughing	MD	15	2500	37,500
Planting	MD	1	2500	2,500
Weeding	MD	4	2500	10,000
Fertiliser Application	MD	2	2500	5,000
Harvesting	MD	16	2500	40,000
Lunch		48	500	24,000
SUBTOTAL				\$144,000

Material Inputs

Planting Material	tins	2	13000	26,000
Fertiliser:				
NPK 14-28-14	50 kg bag	3	6500	19,500
20-20-20	lb	2	300	600
Insecticide				
Karate	250 ml	3	3250	9,750
Selecron	250 ml	3	2000	6,000
Fungicide				
Dithane	Pack	3	850	2,550
Herbicide:				
Gai-Quat	litre	3	1350	4,050
Carzone	120 ml	1	3000	3,000
SUBTOTAL				\$71,450

Other Costs

**Tools discounted for 5 years				9,400
Transportation (10 per cent of material)				7,145
Land Charges per crop cycle				3,125
Supervision (10 percent of labour and material)				32,318
SUBTOTAL				\$51,988
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				\$267,438

Parish	Clarendon
Crop	DASHEEN
Crop Maturity	11 Months
Reaping Period	1 Month
Planting Distance (l x w)	cm 30 x 60 inches 12 x 24
Planting Population	21780
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,883
Cost of Production \$/Kg	\$56

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	8	2500	20,000
Dig Holes	MD	10	2500	25,000
Planting	MD	6	2500	15,000
Pesticide Application	MD	2	2500	5,000
Weed Control	MD	12	2500	30,000
Fertiliser Application	MD	3	2500	7,500
Harvesting	MD	20	2500	50,000
Lunch		61	500	30,500
SUBTOTAL				\$183,000

Material Inputs

Planting Material	sucker	7000		10		70,000
Fertiliser:						
NPK 11-22-22	50 kg bag	6		6600		39,600
Insecticide:						
Caratrax	litre	3		3000		9,000
Capid	250ml	2		2100		4,200
Herbicide:						
Glyphosate	Gallon	1		4400		4,400
SUBTOTAL						\$122,800

Other Costs

**Tools discounted for 5 years				9,400
Transportation (10 per cent of material)				12,280
Land Charges per crop cycle				12,500
Supervision (15 percent of labour and material)				45,870
SUBTOTAL				\$80,050
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				\$385,850

Parish	Clarendon
Crop	GINGER
Crop Maturity	12 Months
Reaping Period	24 Months
Planting Distance (l x w)	cm 30 x 30 inches 12 x 12
Plant Population	43560
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,480
Cost of Production \$/Kg	\$123

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Ploughing	MD	20	2500	50,000
Excavating Trenches	MD	6	2500	15,000
Maintaining Trenches	MD	4	2500	10,000
Preparing Planting Material	MD	2	2500	5,000
Planting	MD	4	2500	10,000
Weeding	MD	20	2500	50,000
Fertiliser Application	MD	2	2500	5,000
Harvesting	MD	20	2500	50,000
Lunch		88	500	44,000
SUBTOTAL				264,000

Material Inputs

Planting Material	lbs	1600	200	320,000
Fertiliser:				
NPK 14-28-14	50 kg bag	3	6300	18,900
NPK 17-0-17	50 kg bag	3	5800	17,400
SUBTOTAL				356,300

Other Costs

**Tools discounted for 5 years				9,400
Transportation (10 per cent of material)				35,630
Land Charges per crop cycle				37,500
Supervision (15 percent of labour and material)				93,045
SUBTOTAL				175,575
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				795,875

Parish	Clarendon
Crop	RED PEAS
Crop Maturity	3 Months
Reaping Period	1 Week
Planting Distance (l x w)	Broadcast
Plant Population	-
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	435
Cost of Production \$/Kg	\$427

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	2	2500	5,000
Ploughing	MD	4	2500	10,000
Moulding	MD	3	2500	7,500
Planting	MD	3	2500	7,500
Pesticide Application	MD	6	2500	15,000
Weeding	MD	5	2500	12,500
Fertilising	MD	2	2500	5,000
Harvesting	MD	9	2500	22,500
Lunch		34	500	17,000
SUBTOTAL				102,000

Material Inputs

Planting Material	Quart	32	300	9,600
Fertiliser:				
NPK 14-28-14	50 kg bag	2	6500	13,000
Ammonium Sulphate	50 kg bag	2	4500	9,000
Fungicide:				
Dithane	500 g	8	850	6,800
Herbicide:				
Glyphosate	Gallon	1	4400	4,400
SUBTOTAL				42,800

Other Costs

**Tools discounted for 5 years				12,000
Transportation (10 per cent of material)				4,280
Land Charges per crop cycle				3,125
Supervision (15 percent of labour and material)				21,720
SUBTOTAL				41,125
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				185,925

Parish	Clarendon					
Crop	CASSAVA					
Crop Maturity	1 Year					
Reaping Period	2 Months					
Planting Distance (l x w)	cm 150 x 60 inches 60 x 24					
Plant Population	4356					
Topography	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rain fed	Rainfall					
Area	0.4 hectare					
Man-day Charge (excluding lunch)	\$2,500					
Projected Marketable Yield (Kg)	8,097					
Cost of Production \$/Kg	\$26					
Labour Operations						
Land Clearing	MD	2		2500		5,000.00
Ploughing	MD	6		2500		15,000.00
Furrowing	MD	4		2500		10,000.00
Planting	MD	3		2500		7,500.00
Pesticide Application	MD	2		2500		5,000.00
Weed Control	MD	4		2500		10,000.00
Fertiliser Application	MD	2		2500		5,000.00
Harvesting	MD	20		2500		50,000.00
Lunch		33		500		16,500.00
SUBTOTAL						124,000.00
Material Inputs						
Planting Material	sticks	4350		5		21,750.00
Fertiliser:						
NPK 14-28-14	50 kg	1		5000		5,000.00
NPK 11-22-22	50 kg	1		6500		6,500.00
Insecticide						
Diazinon	litre	1		1500		1,500.00
Caprid	250 ml	1		1350		1,350.00
Herbicide:						
Paraquat	Gallon	1		4000		4,000.00
SUBTOTAL						40,100.00
Other Costs						
Transportation (10 per cent of material)						4,010.00
**Tools depreciated (5 years)						12,000.00
Land Charges per crop cycle						5,850.00
Supervision (15 percent of labour and material)						24,615.00
SUBTOTAL						46,475.00
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						
						210,575.00

Parish	Hanover
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	60 x 60 24 x 24
Planting Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,895
Cost of Production \$/Kg	\$71

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	8	2500	20,000
Dig Holes	MD	16	2500	40,000
Planting	MD	10	2500	25,000
Pesticide Application	MD	8	2500	20,000
Weed Control	MD	10	2500	25,000
Fertiliser Application	MD	3	2500	7,500
Harvesting	MD	22	2500	55,000
Lunch		77	500	38,500
SUBTOTAL				\$231,000

Material Inputs

Planting Material	sucker	10000	15	150,000
Fertiliser:				
NPK 14-28-14	50 kg bag	4	6500	26,000
NPK 15-5-35	50 kg bag	4	7000	28,000
Insecticide:				
Diazinon	litre	1	8000	8,000
Caratrax	litre	3	3200	9,600
Herbicide:				
Gai-Quat	Litre	4	1350	5,400
SUBTOTAL				\$221,600

Other Costs

**Tools discounted for 5 years				9,400
Transportation (10 per cent of material)				22,160
Land Charges per crop cycle				10,375
Supervision (15 percent of labour and material)				67,890
SUBTOTAL				\$109,825
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				\$562,425

Parish	Hanover
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	10 Months
Planting Distance (l x w cm inches)	90 X 150 36 x 60
Plant Population	2904
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	5,364
Cost of Production \$/Kg	\$120

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Ploughing	MD	8		2500	20,000
Dig Holes	MD	8		2500	20,000
Planting	MD	6		2500	15,000
Pesticide Application	MD	5		2500	12,500
Weed Control	MD	12		2500	30,000
Fertiliser Application	MD	3		2500	7,500
Harvesting	MD	80		2500	200,000
Lunch		132		500	66,000
SUBTOTAL					396,000

Material Inputs					
Planting Material	pack	10		3000	30,000
Fertiliser:					
NPK 14-28-14	50 kg	5		6200	31,000
NPK 15-5-35	50 kg	3		5600	16,800
Insecticide					
Caprid	Litre	5		6000	30,000
Fungicide:					
Dithane	500 g	6		2000	12,000
Sulcox	500 g	4		2300	9,200
Herbicide:					
Gramaxone	gallon	1		6000	6,000
SUBTOTAL					135,000

Other Costs					
**Tools discounted for 5 years					9,400
Transportation (10 per cent of material)					13,500
Land Charges per crop cycle					8,100
Supervision (15 percent of labour and material)					79,650
SUBTOTAL					110,650
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					641,650

Parish	Hanover
Crop	YELLOW YAM
Crop Maturity	10 Months
Reaping Period	2 Months
Planting Distance (l x w)	90 x 90
inches	36 x 36
Plant Population	4840
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,883
Cost of Production \$/Kg	\$78

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	8		2500	20,000
Dig Holes	MD	20		2500	50,000
Prepare Planting Material	MD	1		2500	2,500
Planting/Make Mounds	MD	2		2500	5,000
Staking	MD	10		2500	25,000
Weed Control	MD	6		2500	15,000
Fertiliser Application	MD	3		2500	7,500
Harvesting	MD	9		2500	22,500
Lunch		59		500	29,500
SUBTOTAL					177,000

Material Inputs					
Planting Material	head (lbs)	2000		100	200,000
Stakes	each	1000		30	30,000
Fertiliser:					
NPK 14-28-14	50 kg	4		6200	24,800
SUBTOTAL					254,800

Other Costs					
**Tools discounted for 5 years					9,400
Transportation (10 per cent of material)					25,480
Land Charges per crop cycle					8,300
Supervision (15 percent of labour and material)					64,770
SUBTOTAL					107,950
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					539,750

Parish	Hanover
Crop	SWEET POTATO
Crop Maturity	3 Months
Reaping Period	2 Months
Planting Distance (l x w cm inches)	60 x 60 24 x 24
Plant Population	21780
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,377
Cost of Production \$/Kg	\$46

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Ploughing	Tractor	1		25000	25,000
Furrowing	Tractor	1		20000	20,000
Planting	MD	8		2500	20,000
Pesticide Application	MD	8		2500	20,000
Weeding	MD	6		2500	15,000
Fertiliser Application	MD	2		2500	5,000
Harvesting	MD	10		2500	25,000
Lunch		44		500	22,000
SUBTOTAL					177,000

Material Inputs					
Planting Material	slips(load)	1		15000	15,000
Fertiliser:					
NPK 14-28-14	50 kg bag	2		6700	13,400
NPK 15-5-35	50 kg bag	2		7000	14,000
Insecticide:					
Karate	500 ml	3		2000	6,000
Diazinon	500 ml	3		1050	3,150
Fungicide:					
Dithane	500 g	4		800	3,200
Herbicide:					
Gai-Quat	litre	2		1500	3,000
2,4 D- Amine	litre	2		1100	2,200
SUBTOTAL					\$59,950

Other Costs					
**Tools discounted for 5 years					9,400
Transportation (10 per cent of material)					5,995
Land Charges per crop cycle					5,250
Supervision (15 percent of labour and material)					35,543
SUBTOTAL					\$56,188
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					\$293,138

Parish	Hanover
Crop	PINEAPPLE
Crop Maturity	15 Months
Reaping Period	12 Months
Planting Distance (l x w)	60 x 210
	inches 24 x 72
Plant Population	3630
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,895
Cost of Production \$/Kg	\$67

Material Inputs

Planting Material	Suckers	5000	30	150,000
Fertiliser:				
NPK 11-22-22	50kg	3	5600	16,800
NPK 14-28-14	50kg	3	5800	17,400
Insecticide				
Karate	250ml	2	1600	3,200
Fungicide				
Amistar	50g	3	1650	4,950
Herbicide:				
Diuron	litre	4	2200	8,800
Glyphosate	250 ml	3	1250	3,750
SUBTOTAL				204,900

Other Costs

**Tools discounted for 5 years				12,000
Transportation (10 per cent of material)				20,490
Land Charges per crop cycle				11,250
Supervision (15 percent of labour and material)				63,135
SUBTOTAL				106,875
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				527,775

Parish	Manchester
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcast
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,478
Cost of Production \$/Kg	\$38

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	4	2500	10,000
Ploughing	MD	8	2500	20,000
Planting	MD	2	2500	5,000
Pesticide Application	MD	6	2500	15,000
Weed Control	MD	6	2500	15,000
Fertiliser Application	MD	1	2500	2,500
Harvesting	MD	18	2500	45,000
Lunch		45	500	22,500
SUBTOTAL				135,000

Material Inputs

Planting Material	Pack	2	11000	22,000
Fertiliser:				
NPK 14-28-14	50 kg	4	6100	24,400
20-20-20	lb	2	250	500
Insecticide				
Caprid	250 ml	1	3200	3,200
Caratraz	250 ml	2	2300	4,600
Fungicide				
Ridomil	kg	1	3300	3,300
Dithane	500 g	2	850	1,700
Herbicide:				
Glyphosate	Gallon	1	3200	3,200
Carzone	100 g	2	1840	3,680
SUBTOTAL				66,580

Other Costs

**Tools discounted for 5 years				9,400
Transportation (10 per cent of material)				6,658
Land Charges per crop cycle				1,500
Supervision (15 percent of labour and material)				30,237
SUBTOTAL				47,795
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				249,375

Parish	Manchester	
Crop	IRISH POTATO	
Crop Maturity	3 Months	
Reaping Period	2 Weeks	
Planting Distance (l x w)	cm	60 x 90
	inches	24 x 36
Plant Population	7260	
Topography	Relatively Flat Land Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,500	
Projected Marketable Yield (Kg)	5,365	
Cost of Production \$/Kg	\$90	

Labour Operations	Unit	No. of Units	Cost/Unit		Total Cost
Land Clearing	MD	5	2500		12,500
Ploughing	MD	8	2500		20,000
Furrowing	MD	10	2500		25,000
Moulding	MD	6	2500		15,000
Planting	MD	10	2500		25,000
Pesticide Application	MD	9	2500		22,500
Fertiliser Application	MD	2	2500		5,000
Harvesting	MD	18	2500		45,000
Lunch		68	500		34,000
SUBTOTAL					204,000

Material Inputs

Planting Material	22.7Kg	20	6300		126,000
Fertiliser:					
Urea	22.7 kg	4	2750		11,000
NPK 14-28-14	50 kg	4	6300		25,200
Insecticide:					
Pegasus	250 ml	1	4100		4,100
Caratrax	250 ml	2	950		1,900
Fungicide:					
Dithane	500 g	5	850		4,250
Glider	100 g	2	2300		4,600
Ridomil	500 g	3	3000		9,000
Herbicide:					
Glyphosate	Gallon	1	4200		4,200
SUBTOTAL					190,250

Other Costs

**Tools discounted for 5 years				9,400
Transportation (10 per cent of material)				19,025
Land Charges per crop cycle				2,520
Supervision (15 percent of labour and material)				59,138
SUBTOTAL				90,083
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				484,333

Parish	Manchester
Crop	SWEET POTATO
Crop Maturity	5 Months
Reaping Period	4 Months
Planting Distance (l x w)	cm 90 x 90
	inches 36 x 36
Plant Population	4840
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	6,883
Cost of Production \$/Kg	\$44

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	2	3000	6,000
Ploughing	Tractor	1	20000	20,000
Maintain Trenches	MD	2	3000	6,000
Moulding	MD	4	3000	12,000
Mulching	MD	4	3000	12,000
Planting	MD	6	3000	18,000
Pesticide Application	MD	4	3000	12,000
Weeding	MD	10	3000	30,000
Fertiliser Application	MD	2	3000	6,000
Harvesting	MD	20	3000	60,000
Lunch		54	500	27,000
SUBTOTAL				209,000

Material Inputs					
Planting Material	slips	1	15000		15,000
Fertiliser:					
NPK 14-28-14	50 kg	2	6400		12,800
Insecticide					
Diazinon	litre	2	2550		5,100
Herbicide:					
Gai-Quat	Gallon	1	4500		4,500
SUBTOTAL					37,400

Other Costs					
**Tools discounted for 5 years					9,400
Transportation (10 percent of material)					3,740
Land Charges per crop cycle					4,500
Supervision (15 percent of labour and material)					36,960
SUBTOTAL					54,600
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					301,000

Parish	Manchester
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	4 Months
Planting Distance (l x w)	cm 90 x 90 inches 36 x 36
Plant Population	4840
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,692
Cost of Production \$/Kg	\$71

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Dig Holes	MD	10	2500	25,000
Prepare Planting Material	MD	2	2500	5,000
Planting/Make Mounds	MD	18	2500	45,000
Staking	MD	10	2500	25,000
Pesticide Application	MD	2	2500	5,000
Weed Control	MD	18	2500	45,000
Fertiliser Application	MD	2	2500	5,000
Harvesting	MD	20	2500	50,000
Lunch		92	500	46,000
SUBTOTAL				276,000

Material Inputs

Planting Material	head (lbs)	2420		50		121,000
Stakes	(per 100)	3		6000		18,000
Fertiliser:						
NPK 14-28-14	50 kg	4		6000		24,000
Insecticide						
Caprid	250 ml	2		2600		5,200
Herbicide:						
Glyphosate	Gallon	1		4000		4,000
SUBTOTAL						172,200

Other Costs

**Tools discounted for 5 years				9,400
Transportation (10 percent of material)				17,220
Land Charges per crop cycle				6,480
Supervision (15 percent of labour and material)				67,230
SUBTOTAL				100,330
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				548,530

Parish	Manchester
Crop	RED PEAS
Crop Maturity	3 Months
Reaping Period	1 week
Planting Distance (l x w)	cm 30 x 30 inch 12 x 12
Plant Population	43560
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	476
Cost of Production \$/Kg	\$485

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	5	2500	12,500
Ploughing	Tractor	1	15000	15,000
Planting	MD	4	2500	10,000
Pesticide Application	MD	8	2500	20,000
Weed Control	MD	6	2500	15,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	10	2500	25,000
Lunch		35	500	17,500
SUBTOTAL				120,000

Material Inputs

Planting Material	Quart	32	350	11,200
Fertiliser:				
NPK 14-28-14	50 kg	2	6250	12,500
Ammonium Sulphate	50 kg	1	4400	4,400
Insecticide:				
Cure	100 g	2	2000	4,000
Caratrax	50 g	2	900	1,800
Malathion	100 g	1	1600	1,600
Fungicide:				
Amistar	50 g	1	1900	1,900
Dithane	pk	5	900	4,500
Herbicide:				
Gai-Quat	Gallon	3	5500	16,500
Gramaxone	Litre	2	2400	4,800
SUBTOTAL				63,200

Other Costs

**Tools discounted for 5 years				12,000
Transportation (10 percent of material)				6,320
Land Charges per crop cycle				1,998
Supervision (15 percent of labour and material)				27,480
SUBTOTAL				47,798
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				230,998

Parish	Manchester
Crop	TOMATO
Crop Maturity	3 Months
Reaping Period	3 Months
Planting Distance (l x w)	cm 90 x 90 inches 36 x 36
Plant Population	4840
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	6,547
Cost of Production \$/Kg	\$59

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	5	3000	15,000
Dig Holes	MD	8	3000	24,000
Maintain Trenches	MD	2	3000	6,000
Nursery Operation	MD	2	3000	6,000
Planting	MD	10	3000	30,000
Pesticide Application	MD	10	3000	30,000
Weed Control	MD	8	3000	24,000
fertiliser Application	MD	4	3000	12,000
Harvesting	MD	20	3000	60,000
Lunch		69	500	34,500
SUBTOTAL				241,500

Material Inputs					
Planting Material	seed	2	8500		17,000
Potting Mixture	bag	1	6000		6,000
Seed Trays	each	30	200		6,000
Fertiliser:					
NPK 14-28-14	50 kg	2	6100		12,200
Ammonium Sulphate	50 kg	1	5000		5,000
Insecticide					
Caratraz	Litre	1	1800		1,800
Caprid	500 ml	1	2500		2,500
Cure	Litre	1	4500		4,500
Fungicide					
Mancozeb	250 g	10	2000		20,000
Herbicide:					
Glyphosate	litre	2	1300		2,600
SUBTOTAL					77,600

Other Costs				
**Tools discounted for 5 years				9,400
Transportation (10 percent of material)				7,760
Land Charges per crop cycle				3,000
Supervision (15 percent of labour and material)				47,865
SUBTOTAL				68,025
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				387,125

Parish	Manchester
Crop	Escallion
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	cm 30 x 30 inches 12 x 12
Plant Population	43560
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	8,502
Cost of Production \$/Kg	\$100

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	5	3000	15,000
Dig Holes	MD	8	3000	24,000
Irrigation Installation	MD	2	3000	6,000
Planting	MD	10	3000	30,000
Pesticide Application	MD	6	3000	18,000
Weed Control	MD	10	3000	30,000
fertiliser Application	MD	4	3000	12,000
Harvesting	MD	15	3000	45,000
Lunch		60	500	30,000
SUBTOTAL				210,000

Material Inputs					
Planting Material	lb	5000	50		250,000
Mulch	Per Square	10	5000		50,000
Water	Monthly	3	30000		90,000
Fertiliser:					
NPK 14-28-14	50 kg	3	5900		17,700
Ammonium Sulphate	50 kg	1	4800		4,800
Insecticide					
Cure	Gallon	1	15000		15,000
Selecron	250 ml	1	1650		1,650
Fungicide					
Tracer	500 g	4	2900		11,600
Herbicide:					
Gai-Quat	litre	3	1300		3,900
SUBTOTAL					444,650

Other Costs					
**Tools discounted for 5 years					50,000
Transportation (10 percent of material)					44,465
Land Charges per crop cycle					1,998
Supervision (15 percent of labour and material)					98,198
SUBTOTAL					194,661
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					849,311

Parish	Manchester					
Crop	CASSAVA					
Crop Maturity	1 Year					
Reaping Period	2 Months					
Planting Distance (l x w)	cm 60 x 60 inches 24 x 24					
Plant Population	10890					
Topography	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rain fed	Rainfall					
Area	0.4 hectare					
Man-day Charge (excluding lunch)	\$3,000					
Projected Marketable Yield (Kg)	8,071					
Cost of Production \$/Kg	\$29					
Labour Operations						
Land Clearing	MD	2		3000		6,000
Ploughing	MD	6		3000		18,000
Furrowing	MD	4		3000		12,000
Planting	MD	3		3000		9,000
Pesticide Application	MD	2		3000		6,000
Weed Control	MD	4		3000		12,000
fertiliser Application	MD	2		3000		6,000
Harvesting	MD	20		3000		60,000
Lunch		33		500		16,500
SUBTOTAL						145,500
Material Inputs						
Planting Material	sticks	4350		5		21,750
Fertiliser:						
NPK 14-28-14	50 kg	1		6000		6,000
NPK 11-22-22	50 kg	1		5500		5,500
Fungicide:						
Dithane	Gallon	1		6000		6,000
Herbicide:						
Paraquat	litre	1		1300		1,300
SUBTOTAL						40,550
Other Costs						
Transportation (10 per cent of material)						4,055
**Tools depreciated (5 years)						12,000
Land Charges per crop cycle						5,850
Supervision (15 percent of labour and material)						27,908
SUBTOTAL						49,813
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						
						235,863

Parish	Portland
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	1 Month
Planting Distance (l x w) cm inches	75 x 60 30 x 24
Planting Population	8712
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,883
Cost of Production \$/Kg	\$60

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Dig Holes	MD	8	2500	20,000
Planting	MD	6	2500	15,000
Pesticide Application	MD	2	2500	5,000
Weed Control	MD	6	2500	15,000
Fertiliser Application	MD	2	2500	5,000
Harvesting	MD	18	2500	45,000
Lunch		52	500	26,000
SUBTOTAL				156,000

Material Inputs

Planting Material	sucker	8000	15	120,000
Fertiliser:				
NPK 14-28-14	50 kg	6	6500	39,000
Urea	50 kg	1	6500	6,500
Insecticide:				
Caprid	250 ml	3	2500	7,500
Herbicide:				
Paraquat	Litre	2	1500	3,000
SUBTOTAL				176,000

Other Costs

Transportation (10 percent of material)				17,600
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				4,150
Supervision (15 percent of labour and material)				49,800
SUBTOTAL				80,950
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				412,950

Parish	Portland
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	2 Month
Planting Distance (l x w) cm inches	30 x 30 12 x 12
Plant Population	43560
Topography	Relatively Flat land farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	6,528
Cost of Production \$/Kg	\$76

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	3	3000	9,000
Ploughing	MD	14	3000	42,000
Nursery Operations	MD	4	3000	12,000
Transplanting	MD	6	3000	18,000
Pesticide Application	MD	15	3000	45,000
Weed Control	MD	20	3000	60,000
fertiliser Application	MD	2	3000	6,000
Harvesting	MD	22	3000	66,000
Lunch		86	500	43,000
SUBTOTAL				301,000

Material Inputs					
Planting Material	seed	3	6000		18,000
Potting Mixture	bag	2	7000		14,000
Seed Trays	each	100	270		27,000
Fertiliser:					
NPK 14-28-14	50 kg	3	6000		18,000
Ammonium Sulphate	25 kg	1	3000		3,000
Insecticide					
Caprid	250ml	4	2240		8,960
Caratraz	250 ml	4	1000		4,000
Pegasus	250 ml	2	3300		6,600
Fungicide					
Acrobat	100 g	3	2300		6,900
Herbicide:					
2,4 D-Amine	litre	2	1500		3,000
Gai-Quat	litre	2	1300		2,600
SUBTOTAL					112,060

Other Costs					
Transportation (10 percent of material)					11,206
**Tools discounted for 5 years					9,400
Land Charges per crop cycle					2,100
Supervision (15 percent of labour and material)					61,959
SUBTOTAL					84,665
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					497,725

Parish	Portland
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Week
Planting Distance (l x w)	Broadcasting
Plant Population	-
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,174
Cost of Production \$/Kg	\$45

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	6	2500	15,000
Ploughing	MD	14	2500	35,000
Planting	MD	2	2500	5,000
Maintaining Trenches	MD	2	2500	5,000
Weed Control	MD	8	2500	20,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	24	2500	60,000
Lunch		58	500	29,000
SUBTOTAL				174,000

Material Inputs	Pack	2	9000	18,000
Fertiliser:				
NPK 14-28-14	50 kg	4	6000	24,000
Herbicide:				
Fusilade	litre	1	5500	5,500
Carzone	250 g	2	1500	3,000
Gai-Quat	litre	3	1150	3,450
SUBTOTAL				53,950

Transportation (10 percent of material)				5,395
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				1,665
Supervision (15 percent of labour and material)				34,193
SUBTOTAL				50,653
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				278,603

Parish	Portland
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance (l x w) cm inches	30 x 30 12 x 12
Plant Population	43560
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,389
Cost of Production \$/Kg	\$82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Dig Holes	MD	5	2500	12,500
Planting	MD	5	2500	12,500
Pesticide Application	MD	15	2500	37,500
Weed Control	MD	5	2500	12,500
fertiliser Application	MD	3	2500	7,500
Harvesting	MD	80	2500	200,000
Lunch		123	500	61,500
SUBTOTAL				369,000

Material Inputs

Planting Material	seedling	4500	8	36,000
Fertiliser:				
Pepper Starta	22.7 kg	6	2800	16,800
Pepper Growth	22.7 kg	6	2500	15,000
Pepper Production	22.7 kg	6	2200	13,200
Insecticide				
Caratrax	Litre	1	2500	2,500
Cure	250 ml	6	3500	21,000
Caprid	250 ml	6	2100	12,600
Fungicide				
Topsin	250 g	3	1800	5,400
Ridomil Gold	500 g	3	2600	7,800
Herbicide:				
Paraquat	litre	4	1300	5,200
SUBTOTAL				135,500

Other Costs

Transportation (10 percent of material)				13,550
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				5,000
Supervision (15 percent of labour and material)				75,675
SUBTOTAL				103,625
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				608,125

Parish	Portland
Crop	YELLOW YAM
Crop Maturity	8 Months
Reaping Period	4 Months
Planting Distance (l x w) cm inches	120 x 60 48 x 24
Plant Population	5445
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,186
Cost of Production \$/Kg	\$54

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Dig Holes	MD	10	2500	25,000
Prepare Planting Material	MD	2	2500	5,000
Planting/Make Mounds	MD	10	2500	25,000
Staking	MD	10	2500	25,000
Pesticide Application	MD	2	2500	5,000
Weed Control	MD	12	2500	30,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	14	2500	35,000
Lunch		72	500	36,000
SUBTOTAL				216,000

Material Inputs					
Planting Material	head (lbs)	1200		50	60,000
Stakes	each	500		40	20,000
Fertiliser:					
NPK 14-28-14	50 kg	2		6500	13,000
Herbicide:					
Glyphosate	Gallon	1		6000	6,000
SUBTOTAL					99,000

Other Costs					
Transportation (10 percent of material)					9,900
**Tools discounted for 5 years					9,400
Land Charges per crop cycle					5,000
Supervision (15 percent of labour and material)					47,250
SUBTOTAL					71,550
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					386,550

Parish	St. Andrew
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	cm 60 x 60 inches 24 x 24
Plant Population	10890
Topography	Relatively Flat land farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	5,668
Cost of Production \$/Kg	\$76

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	8	2500	20,000
Ploughing	MD	10	2500	25,000
Furrowing	MD	10	2500	25,000
Maintainig Trenches	MD	5	2500	12,500
Nursery Operations	MD	3	2500	7,500
Transplanting	MD	8	2500	20,000
Moulding	MD	6	2500	15,000
Pesticide Application	MD	8	2500	20,000
Weed Control	MD	15	2500	37,500
fertiliser Application	MD	3	2500	7,500
Harvesting	MD	20	2500	50,000
Lunch		96	500	48,000
SUBTOTAL				288,000

Material Inputs	seed	1	6000	6,000
Fertiliser:				
NPK 11-22-22	50 kg	3	6100	18,300
NPK 15-5-35	50 kg	2	6400	12,800
Insecticide				
Caprid	Litre	2	5750	11,500
Cure	250 ml	2	3850	7,700
Fungicide				
Ridomil	Pack	2	2800	5,600
Bellis	Bottle	1	3500	3,500
Herbicide:				
Glyphosate	Gallon	1	6000	6,000
SUBTOTAL				71,400

Transportation (10 percent of labour and material)				7,140
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				1,998
Supervision (15 percent of labour and material)				53,910
SUBTOTAL				72,448
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				431,848

Parish	St. Andrew		
Crop	IRISH POTATO		
Crop Maturity	3 Months		
Reaping Period	3 Months		
Planting Distance (l x w)	cm	30 x 30	
	inches	12 x 12	
Plant Population		43560	
Topography	Hillside Farm		
Land Preparation	Manual		
Irrigated/Rain fed	Rainfed		
Area	0.4 hectare		
Man-day Charge (excluding lunch)	\$2,000		
Projected Marketable Yield (Kg)	6,073		
Cost of Production \$/Kg	\$74		

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	12	2000	24,000
Ploughing	MD	12	2000	24,000
Furrowing	MD	8	2000	16,000
Excavating Trenches	MD	6	2000	12,000
Moulding	MD	8	2000	16,000
Planting	MD	6	2000	12,000
Pesticide Application	MD	8	2000	16,000
fertiliser Application	MD	2	2000	4,000
Harvesting	MD	18	2000	36,000
Lunch		80	500	40,000
SUBTOTAL				200,000

Material Inputs					
Planting Material	22.7Kg	20	5000		100,000
Fertiliser:					
Potato Starta	22.7kg	8	3000		24,000
Potato Finisha	22.7kg	8	3000		24,000
Insecticide					
Selecron	500 g	2	5500		11,000
Herbicide:					
Glyphosate	litre	4	1400		5,600
SUBTOTAL					164,600

Other Costs				
Transportation (10 percent of material)				16,460
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				3,000
Supervision (15 percent of labour and material)				54,690
SUBTOTAL				83,550
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				448,150

Parish	St. Andrew
Crop	YELLOW YAM
Crop Maturity	11 Months
Reaping Period	1 Month
Planting Distance (l x w)	cm 150 x 150 inches 60 x 60
Plant Population	1742
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	6,883
Cost of Production \$/Kg	\$78

Labour Operations	Unit	No. of Units	Cost/Unit		Total Cost
Land Clearing	MD	10	3000		30,000
Dig Holes	MD	12	3000		36,000
Prepare Planting Material	MD	2	3000		6,000
Planting/Make Mounds	MD	10	3000		30,000
Staking	MD	10	3000		30,000
Weed Control	MD	15	3000		45,000
fertiliser Application	MD	4	3000		12,000
Harvesting	MD	20	3000		60,000
Lunch		83	500		41,500
SUBTOTAL					290,500

Material Inputs

Planting Material	head (lbs)	1200		70		84,000
Stakes	each	800		50		40,000
Fertiliser:						
NPK 14-28-14	50 kg	4		6000		24,000
Herbicide:						
Gai-Quat	litre	2		1200		2,400
SUBTOTAL						150,400

Other Costs

Transportation (10 percent of material)			15,040
**Tools discounted for 5 years			9,400
Land Charges per crop cycle			6,000
Supervision (15 percent of labour and material)			66,135
SUBTOTAL			96,575
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			537,475

Parish	St. Andrew
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcasting
Plant Population	-
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	5,668
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Ploughing	MD	12	2500	30,000
Planting	MD	2	2500	5,000
Weed Control	MD	6	2500	15,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	14	2500	35,000
Lunch		46	500	23,000
SUBTOTAL				138,000

Material Inputs

Planting Material	Pack	2	5500	11,000
Fertiliser:				
NPK 14.28.14	50 kg	6	5800	34,800
Herbicide:				
Glyphosate	litre	1	1300	1,300
Carzone		1	2800	2,800
SUBTOTAL				49,900

Other Costs

Transportation (10 percent of material)				4,990
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				1,998
Supervision (15 percent of labour and material)				28,185
SUBTOTAL				44,573
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				232,473

Parish	St. Andrew		
Crop	HOT PEPPER		
Crop Maturity	3 Months		
Reaping Period	8 Months		
Planting Distance (l x w)	cm	90 x 90	
	inches	36 x 36	
Plant Population	4840		
Topography	Relatively Flat Land Farm		
Land Preparation	Manual		
Irrigated/Rain fed	Rainfed		
Area	0.4 hectare		
Man-day Charge (excluding lunch)	\$2,500		
Projected Marketable Yield (Kg)	7,389		
Cost of Production \$/Kg	\$80		

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Dig Holes	MD	5	2500	12,500
Planting	MD	5	2500	12,500
Pesticide Application	MD	15	2500	37,500
Weed Control	MD	5	2500	12,500
fertiliser Application	MD	3	2500	7,500
Harvesting	MD	80	2500	200,000
Lunch		123	500	61,500
SUBTOTAL				369,000

Material Inputs

Planting Material	seedling	5000	8	40,000
Fertiliser:				
NPK 11-22-22	50 kg	3	5500	16,500
NPK 14-28-14	50 kg	4	6500	26,000
Ammonium Sulphate	22.7 kg	2	2200	4,400
Insecticide				
Selecron	250 ml	1	2750	2,750
Cure	250 ml	3	3400	10,200
Caprid	250 ml	3	2160	6,480
Fungicide				
Mancozeb	100 g	3	800	2,400
Ridomil Gold	500 g	3	2800	8,400
Herbicide:				
Paraquat	litre	4	1400	5,600
SUBTOTAL				122,730

Other Costs

Transportation (10 percent of material)				12,273
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				4,600
Supervision (15 percent of labour and material)				73,760
SUBTOTAL				100,033
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				591,763

Parish	St. Ann
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	90 x 30 36 x 12
Plant Population	14520
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	5,769
Cost of Production \$/Kg	\$80

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Ploughing	Tractor	1		20000	20,000
Furrowing	Tractor	1		18000	18,000
Excavating Trenches	MD	4		2500	10,000
Planting	MD	5		2500	12,500
Pesticide Application	MD	8		2500	20,000
Weeding	MD	12		2500	30,000
Fertiliser Application	MD	2		2500	5,000
Harvesting	MD	18		2500	45,000
Lunch		59		500	29,500
SUBTOTAL					215,000

Material Inputs					
Planting Material	22.7kg	14		6000	84,000
Fertiliser:					
NPK 15-5-35	50 kg	4		6100	24,400
NPK 14-28-14	50 kg	4		6500	26,000
Insecticide:					
Karate	250 ml	2		1700	3,400
Fungicide:					
Dithane	1 kg	4		1500	6,000
Consento	250 ml	4		3500	14,000
Ridomil Gold	250 g	1		1500	1,500
Herbicide:					
Glyphosate	litre	3		1200	3,600
SUBTOTAL					162,900

Other Costs					
Transportation (10 percent of material)					16,290
**Tools discounted for 5 years					9,400
Land Charges per crop cycle					2,664
Supervision (15 percent of labour and material)					56,685
SUBTOTAL					85,039
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					462,939

Parish	St. Ann
Crop	HOT PEPPER
Crop Maturity	4 Months
Reaping Period	8 Months
Planting Distance (l x w cm inches)	60 x 90 24 x 36
Plant Population	7260
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,073
Cost of Production \$/Kg	\$111

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	2		2500	5,000
Ploughing	Tractor	1		20000	20,000
Harrowing	Tractor	1		10000	10,000
Dig Holes/Plant	MD	6		2500	15,000
Pesticide Application	MD	8		2500	20,000
Weeding	MD	12		2500	30,000
Fertilising	MD	2		2500	5,000
Harvesting	MD	90		2500	225,000
Lunch		120		500	60,000
SUBTOTAL					390,000

Material Inputs					
Planting Material	seedling	7500		10	75,000
Fertiliser:					
NPK 14-28-14	50 kg	4		6500	26,000
NPK 15-5-35	50 kg	4		6200	24,800
Insecticide:					
Caratraz	litre	2		3200	6,400
Vertimec	100 ml	4		3100	12,400
Fungicide:					
Ridomil	500 g	2		2600	5,200
Mancozeb	100 g	8		1000	8,000
Herbicide:					
Glyphosate	Gallon	2		4000	8,000
SUBTOTAL					165,800

Other Costs					
Transportation (10 percent of material)					16,580
**Tools discounted for 5 years					9,400
Land Charges per crop cycle					8,000
Supervision (15 percent of labour and material)					83,370
SUBTOTAL					117,350
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					673,150

Parish	St. Ann
Crop	GINGER
Crop Maturity	8 Months
Reaping Period	1 Month
Planting Distance (l x w)	30 x 30
Plant Population	43560
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	5,060
Cost of Production \$/kg	\$196

Material Inputs

Planting Material	lbs	1600		250		400,000
SUBTOTAL						400,000

Other Costs

Transportation (10 percent of material)			40,000
**Tools discounted for 5 years			9,400
Land Charges per crop cycle			6,000
Supervision (15 percent of labour and material)			122,100
SUBTOTAL			177,500
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			991,500

Parish	St. Ann
Crop	TOMATO
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance (l x w cm inches)	60 x 60 24 x 24
Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,757
Cost of Production \$/Kg	\$75

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	6	2500	15,000
Furrowing	Tractor	1	25000	25,000
Nursery Operations	MD	1	2500	2,500
Transplanting	MD	8	2500	20,000
Stake and tie	MD	12	2500	30,000
Pesticide Application	MD	8	2500	20,000
Weeding	MD	10	2500	25,000
Fertilising	MD	2	2500	5,000
Harvesting	MD	20	2500	50,000
Lunch		67	500	33,500
SUBTOTAL				226,000

Material Inputs					
Planting Material	tin	2	9000		18,000
Potting Mixture	bag	4	1800		7,200
Seed Trays	each	10	450		4,500
Cord	roll	1	2000		2,000
Stakes		6	3700		22,200
Fertiliser:					
NPK 14-28-14	50 kg	2	6300		12,600
NPK 11-22-22	50 kg	2	6200		12,400
Calmax B	litre	12	1800		21,600
Insecticide:					
Caratraz	250 ml	2	1500		3,000
Caprid	250 ml	4	2150		8,600
Fungicide:					
Dithane	500 g	20	850		17,000
Consento	250 ml	14	2900		40,600
Mancozeb	100 g	11	750		8,250
Herbicide:					
Glyphosate	litre	4	1300		5,200
SUBTOTAL					183,150

Other Costs					
Transportation (10 percent of material)					18,315
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					5,250
Supervision (15 percent of labour and material)					61,373
SUBTOTAL					96,938
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					506,088

Parish	St. Catherine
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance in (l : cm inches)	60 x 150 2 x 5
Planting Population	4356
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,705
Cost of Production \$/Kg	\$95

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	8	2500	20,000
Ploughing	Tractor	1	10000	10,000
Harrowing	Tractor	1	6000	6,000
Furrowing	Tractor	1	6000	6,000
Nursery Operation	MD	4	2500	10,000
Irrigation Installation	MD	3	2500	7,500
Transplanting	MD	6	2500	15,000
Pesticide Application	MD	8	2500	20,000
Weeding	MD	8	2500	20,000
Fertiliser Application	MD	5	2500	12,500
Harvesting	MD	75	2500	187,500
Lunch		117	500	58,500
SUBTOTAL				373,000

Material Inputs

Planting Material	Seedlings	4500	15	67,500
Plastic Mulch	roll	4	8000	32,000
Water	monthly	3	2500	7,500
Fertiliser:				
NPK 14-28-14	25 kg	10	3900	39,000
NPK 15-5-35	25 kg	6	3000	18,000
Insecticide:				
Caprid	250 ml	8	2250	18,000
Pegasus	litre	2	4200	8,400
Fungicide				
Ridomil	Pack	3	2500	7,500
Sancozeb	Pack	4	900	3,600
Herbicide:				
Gai-Quat	litre	5	2000	10,000
SUBTOTAL				211,500

Other Costs

Transportation (10 percent of material)				21,150
**Tools discounted for 5 years				35,400
Land Charges per crop cycle				6,000
Supervision (10 percent of labour and material)				87,675
SUBTOTAL				150,225
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				734,725

Parish	St. Catherine
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	30 x 150 12 x 60
Plant Population	8712
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,781
Cost of Production \$/Kg	\$45

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	2		2500	5,000
Ploughing	Tractor	1		10000	10,000
Harrowing	Tractor	1		6000	6,000
Furrowing	Tractor	1		6000	6,000
Irrigation Installation	MD	2		2500	5,000
Preparing Planting Material	MD	2		2500	5,000
Planting	MD	4		2500	10,000
Moulding	MD	4		2500	10,000
Pesticide Application	MD	5		2500	12,500
Weeding	MD	4		2500	10,000
Fertilising	MD	2		2500	5,000
Harvesting	MD	12		2500	30,000
Lunch					
SUBTOTAL		37		500	18,500
					133,000

Material Inputs

Planting Material	slips	9000		5	45,000
Water	Monthly	4		2000	8,000
Fertiliser:					
NPK 14-28-14	50 kg	3		8000	24,000
Insecticide:					
Caprid	250 ml	4		2240	8,960
Diazinon	litre	1		4000	4,000
Fungicide:					
Ridomil	Pack	2		2750	5,500
Herbicide:					
Gai-Quat	litre	1		3200	3,200
SUBTOTAL					98,660

Other Costs

Transportation (10 percent of material)				9,866
**Tools discounted for 5 years				29,400
Land Charges per crop cycle				2,520
Supervision (15 percent of labour and material)				34,749
SUBTOTAL				76,535
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				308,195

Parish	St. Catherine
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	60 x 60 24 x 24
Planting Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,389
Cost of Production \$/Kg	\$59

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	12	2500	30,000
Dig Holes	MD	10	2500	25,000
Planting	MD	6	2500	15,000
Pesticide Application	MD	3	2500	7,500
Weed Control	MD	12	2500	30,000
Fertiliser Application	MD	3	2500	7,500
Harvesting	MD	20	2500	50,000
Lunch		66	500	33,000
SUBTOTAL				\$198,000

Material Inputs

Planting Material	sucker	11000	10	110,000
Fertiliser:				
NPK 14-28-14	50 kg bag	4	8000	32,000
Insecticide:				
Caratraz	litre	2	1100	2,200
Capid	250ml	2	2240	4,480
Herbicide:				
Paraquat	Lite	3	1400	4,200
SUBTOTAL				\$148,680

Other Costs

Other Costs				
Transportation (10 percent of material)				14,868
**Tools discounted for 5 years				9400
Land Charges per crop cycle				10375
Supervision (15 percent of labour and material)				52002
SUBTOTAL				\$86,645
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				\$433,325

Parish	St. Catherine
Crop	PINEAPPLE
Crop Maturity	18 Months
Reaping Period	6 Months
Planting Distance (l x w cm inches)	60 x 210 24 x 84
Plant Population	3111
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	9,818
Cost of Production \$/Kg	\$54

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Ploughing	MD	1		14000	14,000
Furrowing	MD	1		7000	7,000
Planting	MD	12		2500	30,000
Pesticide Application	MD	3		2500	7,500
Weed Control	MD	10		2500	25,000
fertiliser Application	MD	4		2500	10,000
Harvesting	MD	20		2500	50,000
Lunch		59		500	29,500
SUBTOTAL					198,000

Material Inputs					
Planting Material	Suckers	3200		50	160,000
Fertiliser:					
NPK 14-28-14	50kg	4		8000	32,000
Ammonium Sulphate	50kg	3		5500	16,500
Insecticide					
Newmectin	litre	1		6100	6,100
Diazinon	250ml	3		1500	4,500
Fungicide					
Diathine	pack	3		1000	3,000
Herbicide:					
Paraquat	litre	2		1400	2,800
Gai-Quat	litre	2		1200	2,400
SUBTOTAL					227,300

Other Costs					
Transportation (10 percent of material)					22,730
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					10,000
Supervision (15 percent of labour and material)					63,795
SUBTOTAL					108,525
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					533,825

Parish	St. Elizabeth
Crop	CARROT
Crop Maturity	4 Months
Reaping Period	1 Week
Planting Distance (l x w)	Broadcast
Plant Population	-
Topography	Relatively Flat land farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	5,263
Cost of Production \$/Kg	\$52

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	4	2500	10,000
Ploughing	Tractor	1	10000	10,000
Harrowing	Tractor	1	10000	10,000
Cut & Spread Mulch	Job	1	35000	35,000
Planting	MD	3	2500	7,500
Pesticide Application	MD	3	2500	7,500
Weed Control	MD	4	2500	10,000
fertiliser Application	MD	1	2500	2,500
Harvesting	MD	12	2500	30,000
Lunch		27	500	13,500
SUBTOTAL				136,000

Material Inputs	Pack	2	9000		18,000
Planting Material	Per Acre	1	35000		35,000
Fertiliser:					
NPK 14-28-14	50 kg bag	3	6000		18,000
Insecticide					
Caratraz	250 ml	3	1400		4,200
Fungicide					
Dithane	Pack	3	800		2,400
Herbicide:					
Glyphosate	litre	3	1300		3,900
Carzone	250 ml	1	1350		1,350
Fusilade	250 ml	1	2250		2,250
SUBTOTAL					85,100

Other Costs				8,510
Transportation (10 percent of material)				9,400
**Tools discounted for 5 years				3,780
Land Charges per crop cycle				33,165
Supervision (15 percent of labour and material)				54,855
SUBTOTAL				275,955
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				

Parish	St. Elizabeth
Crop	PINEAPPLE
Crop Maturity	12 Months
Reaping Period	8 Months
Planting Distance (l x w)	cm 30 X 120
	inches 12 x 48
Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	7,287
Cost of Production \$/Kg	\$145

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	3000	30,000
Ploughing	MD	15	3000	45,000
Furrowing	MD	10	3000	30,000
Planting	MD	19	3000	57,000
Pesticide Application	MD	15	3000	45,000
Weed Control	MD	20	3000	60,000
fertiliser Application	MD	10	3000	30,000
Harvesting	MD	40	3000	120,000
Lunch		124	500	62,000
SUBTOTAL				479,000

Material Inputs					
Planting Material	suckers	10000		30	300,000
Fertiliser:					
NPK 15-5-35	50 Kg	4	5290		21,160
Urea	50 Kg	6	6200		37,200
Insecticide					
Diazinon	Litre	1	3000		3,000
Fungicide					
Ridomil	Pack	3	2800		8,400
Herbicide:					
Diuron	Gallon	1	6500		6,500
Dual Gold	Gallon	1	6250		6,250
SUBTOTAL					382,510

Other Costs				
Transportation (10 percent of material)				38,251
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				15,030
Supervision (15 percent of labour and material)				129,227
SUBTOTAL				191,908
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				1,053,418

Parish	St. Elizabeth		
Crop	TOMATO		
Crop Maturity	3 Months		
Reaping Period	1.5 Months		
Planting Distance (l x w)	cm	120 x 60	
	inches	48 x 24	
Plant Population		5445	
Topography	Relatively Flat Land Farm		
Land Preparation	Manual		
Irrigated/Rain fed	Irrigated		
Area	0.4 hectare		
Man-day Charge (excluding lunch)	\$2,500		
Projected Marketable Yield (Kg)	8,642		
Cost of Production \$/Kg	\$62		

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	4	2500	10,000
Ploughing	MD	8	2500	20,000
Irrigation Installation	MD	2	2500	5,000
Nursery Operation	MD	2	2500	5,000
Cut/Spread Mulch	MD	4	2500	10,000
Transplanting	MD	5	2500	12,500
Pesticide Application	MD	12	2500	30,000
Weed Control	MD	8	2500	20,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	36	2500	90,000
Lunch		73	500	36,500
SUBTOTAL				244,000

Material Inputs

Mulch	per acre	1	45000	45,000
Planting Material	seeds	3	14000	42,000
Potting Mixture	bag	1	6500	6,500
Seed Trays	each	30	250	7,500
Water	Monthly	3	7000	21,000
Fertiliser:				
NPK 11-22-22	50 kg	4	5600	22,400
Insecticide				
Caprid	litre	1	6000	6,000
Cure	250 ml	3	3500	10,500
Fungicide				
Ridomil	Pack	4	2800	11,200
Mancozeb	Pack	3	1200	3,600
Herbicide:				
Glyphosate	litre	2	1100	2,200
SUBTOTAL				177,900

Other Costs

Transportation (10 percent of material)				17,790
**Tools discounted for 5 years				33,400
Land Charges per crop cycle				2,940
Supervision (15 percent of labour and material)				63,285
SUBTOTAL				117,415
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				539,315

Parish	St. Elizabeth		
Crop	SWEET POTATO		
Crop Maturity	4 Months		
Reaping Period	2 Months		
Planting Distance (l x w)	cm	60 x 60	
	inches	24 x 24	
Plant Population	10890		
Topography	Relatively Flat Land Farm		
Land Preparation	Manual		
Irrigated/Rain fed	Rainfed		
Area	0.4 hectare		
Man-day Charge (excluding lunch)	\$2,500		
Projected Marketable Yield (Kg)	6,984		
Cost of Production \$/Kg	\$42		

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	2	2500	5,000
Ploughing	MD	12	2500	30,000
Furrowing	MD	8	2500	20,000
Moulding	MD	4	2500	10,000
Planting	MD	5	2500	12,500
Pesticide Application	MD	4	2500	10,000
Weed Control	MD	8	2500	20,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	14	2500	35,000
Lunch		59	700	41,300
SUBTOTAL				188,800

Material Inputs

Planting Material	slips	11000		1		11,000
Fertiliser:						
NPK 14-28-14	50 kg	3		7000		21,000
Insecticide						
Caratrax	250 ml	3		1100		3,300
Caprid	litre	3		2250		6,750
Fungicide						
Mancozeb	100 g	4		900		3,600
Herbicide:						
Glyphosate	litre	1		3500		3,500
SUBTOTAL						49,150

Other Costs

Transportation (10 percent of material)				4,915
**Tools discounted for 5 years				9,400
Land Charges per year				4,500
Supervision (15 percent of labour and material)				35,693
SUBTOTAL				54,508
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				292,458

Parish	St. Elizabeth
Crop	RED PEAS
Crop Maturity	2.5 Months
Reaping Period	1 Week
Planting Distance (l x w)	cm 60 x 60 inches 24 x 24
Plant Population	10890
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	415
Cost of Production \$/Kg	\$458

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	6	2500	15,000
Ploughing	MD	8	2500	20,000
Moulding	MD	6	2500	15,000
Planting	MD	3	2500	7,500
Pesticide Application	MD	2	2500	5,000
Weeding	MD	2	2500	5,000
Fertiliser Application	MD	1	2500	2,500
Harvesting	MD	10	2500	25,000
Lunch		38	500	19,000
SUBTOTAL				114,000

Material Inputs		Quart	32	300	9,600
Planting Material					
Fertiliser:					
NPK 11-22-22		50 kg	2	5800	11,600
NPK 14-28-14		50 kg	2	6500	13,000
Insecticide:					
Definite		250 ml	1	1100	1,100
Caratraz		500 ml	1	2250	2,250
Fungicide:					
Dithane		500 g	3	900	2,700
Herbicide:					
Glyphosate		litre	1	2600	2,600
SUBTOTAL					42,850

Other Costs				
Transportation (10 percent of material)				4,285
**Tools discounted for 5 years				2,400
Land Charges per crop cycle				3,125
Supervision (15 percent of labour and material)				23,528
SUBTOTAL				33,338
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				190,188

Parish	ST. ELIZABETH		
Crop	IRISH POTATO		
Crop Maturity	3 Months		
Reaping Period	1 Week		
Planting Distance (l x w)	cm	30 x 30	
	inches	12 x 12	
Plant Population	43560		
Topography	Relatively Flat Land Farm		
Land Preparation	Manual		
Irrigated/Rain fed	Rainfed		
Area	0.4 hectare		
Man-day Charge (excluding lunch)	\$2,500		
Projected Marketable Yield (Kg)	5,466		
Cost of Production \$/Kg	\$100		

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	\$2,500	25,000.00
Ploughing	MD	12	\$2,500	30,000.00
Furrowing	MD	10	\$2,500	25,000.00
Moulding	MD	12	\$2,500	30,000.00
Planting	MD	4	\$2,500	10,000.00
Pesticide Application	MD	10	\$2,500	25,000.00
Weed Control	MD	3	\$2,500	7,500.00
fertiliser Application	MD	1	\$2,500	2,500.00
Harvesting	MD	12	\$2,500	30,000.00
Lunch		74	\$500	37,000.00
SUBTOTAL				222,000.00

Material Inputs

Planting Material	22.7Kg	20	6500	130,000.00
Fertiliser:				
Potato Starta	bags (50 kg)	4	6800	27,200.00
Potato Finisha	bags (50 kg)	4	6600	26,400.00
Insecticide				
Karate	250 ml	3	1750	5,250.00
Malathion	lite	1	1600	1,600.00
Fungicide				
Dithane	pack	10	950	9,500.00
Ridomill	pack	3	3500	10,500.00
Bravo	bottle	3	3000	9,000.00
Herbicide:				
Glyphosate	gallon	1	4500	4,500.00
Fusilade	litre	1	2500	2,500.00
SUBTOTAL				223,950.00

Other Costs

Transportation (10 percent of material)				22,395.00
**Tools discounted for 5 years				9,400.00
Land Charges per crop cycle				2,664.00
Supervision (15 percent of labour and material)				66,892.50
SUBTOTAL				101,351.50
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				547,301.50

Parish	St. Elizabeth		
Crop	DASHEEN		
Crop Maturity	9 Months		
Reaping Period	3 Months		
Planting Distance (l x w)	cm	60 x 60	
	inches	24 x 24	
Planting Population	10890		
Topography	Relatively Flat Land Farm		
Land Preparation	Manual		
Irrigated/Rain fed	Rainfed		
Area	0.4 hectare		
Man-day Charge (excluding lunch)	\$2,500		
Projected Marketable Yield (Kg)	7,186		
Cost of Production \$/Kg	\$79		

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Dig Holes	MD	20	2500	50,000
Planting	MD	10	2500	25,000
Pesticide Application	MD	6	2500	15,000
Weed Control	MD	12	2500	30,000
Fertiliser Application	MD	6	2500	15,000
Harvesting	MD	25	2500	62,500
Lunch		89	500	44,500
SUBTOTAL				267,000

Material Inputs

Planting Material	sucker	11000		10	110,000
Fertiliser:					
NPK 14-28-14	50 kg	7		6000	42,000
NPK 11-22-22	50 kg	4		5300	21,200
Insecticide:					
Karate	litre	2		3000	6,000
Malathion	250ml	3		2500	7,500
Fungicide:					
Ridomil	pack	2		1800	3,600
Herbicide:					
Paraquat	gallon	1		3500	3,500
SUBTOTAL					193,800

Other Costs

Transportation (10 percent of material)				19,380
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				7,100
Supervision (15 percent of labour and material)				69,120
SUBTOTAL				105,000
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				565,800

Parish	St. Elizabeth
Crop	Escallion
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	cm 30 x 30
	inches 12 x 12
Plant Population	43560
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	4,049
Cost of Production \$/Kg	\$200

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	5	3000	15,000
Dig Holes	MD	8	3000	24,000
Cut/Spread Mulch	MD	4	3000	12,000
Irrigation Installation	MD	4	3000	12,000
Planting	MD	12	3000	36,000
Pesticide Application	MD	3	3000	9,000
Weed Control	MD	10	3000	30,000
fertiliser Application	MD	2	3000	6,000
Harvesting	MD	12	3000	36,000
Lunch		60	500	30,000
SUBTOTAL				210,000

Material Inputs					
Planting Material	lb	5000		50	
Mulch	Per Square	10		7500	
Water	Monthly	3		14000	
Fertiliser:					
NPK 15-5-35	50 kg	2		6300	
NPK 11-22-22	50 kg	2		6500	
Insecticide					
First Strike	Gallon	3		4000	
Selecron	250 ml	2		2800	
Fungicide					
Mancozeb	pack	2		750	
Trivia	pack	2		3200	
Herbicide:					
Gai-Quat	litre	2		1200	
SUBTOTAL					420,500

Other Costs					
Transportation (10 percent of material)					42,050
**Tools discounted for 5 years					40,000
Land Charges per year					1,998
Supervision (15 percent of labour and material)					94,575
SUBTOTAL					178,623
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					809,123

Parish	St. James
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	30 x 60 12 x 24
Plant Population	21780
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	6,478
Cost of Production \$/Kg	\$78

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	8		3000	24,000
Ploughing	MD	10		3000	30,000
Furrowing	MD	8		3000	24,000
Excavating Trenches	MD	5		3000	15,000
Maintaining Trenches	MD	2		3000	6,000
Nursey Operation	MD	3		3000	9,000
Transplanting	MD	5		3000	15,000
Pesticide Application	MD	8		3000	24,000
Weed Control	MD	15		3000	45,000
fertiliser Application	MD	2		3000	6,000
Harvesting	MD	16		3000	48,000
Lunch		82		500	41,000
SUBTOTAL					287,000

Material Inputs					
Planting Material	seed	4		5600	22,400
Potting Mixture	bag	2		7000	14,000
Seed Trays	each	100		270	27,000
Fertiliser:					
NPK 14-28-14	50 kg	3		6000	18,000
Urea	50 kg	1		6000	6,000
Insecticide					
Tracer	120 ml	3		3750	11,250
Match	250 ml	3		1750	5,250
Pegasus	250 ml	2		3500	7,000
Fungicide					
Ridomil Gold	500 g	2		3800	7,600
Herbicide:					
Glyphosate	Gallon	1		5800	5,800
Fusilade	Litre	1		6500	6,500
SUBTOTAL					130,800

Other Costs					
Transportation (10 percent of material)					13,080
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					1,665
Supervision (15 percent of labour and material)					62,670
SUBTOTAL					89,415
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					507,215

Parish	St. James
Crop	DASHEEN
Crop Maturity	7 Months
Reaping Period	2 Month
Planting Distance (l x w cm inches)	60 x 60 24 x 24
Plant Population	10890
Topography	Relative Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	7,490
Cost of Production \$/Kg	\$66

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		3000	30,000
Dig Holes	Job			100000	100,000
Weed Control	MD	6		3000	18,000
Planting	MD	5		3000	15,000
Pesticide Application	MD	6		3000	18,000
fertiliser Application	MD	2		3000	6,000
Harvesting	MD	20		3000	60,000
Lunch		49		500	24,500
SUBTOTAL					271,500

Material Inputs

Planting Material	Suckers	10000		7	70,000
Fertiliser:					
NPK 11-22-22	50 kg	3		6000	18,000
Ammonium Sulphate	50 kg	3		5500	16,500
Insecticide					
Malathion	250 ml	4		2500	10,000
Engeo	250 ml	4		2900	11,600
Herbicide:					
Glyphosate	Gallon	1		4000	4,000
SUBTOTAL					130,100

Other Costs

Transportation (10 percent material)				13,010
**Tools discounted for 5 years				12,000
Land Charges per crop cycle				3,750
Supervision (15 percent of labour and material)				60,240
SUBTOTAL				89,000
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				490,600

Parish	St. James
Crop	GINGER
Crop Maturity	9 Months
Reaping Period	12 Months
Planting Distance (l x w cm inches)	30 x 30 12 x 12
Plant Population	43560
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,075
Cost of Production \$/Kg	\$134

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Ploughing	MD	10		2500	25,000
Excavating Trenches	MD	6		2500	15,000
Maintain Trenches	MD	3		2500	7,500
Planting	MD	6		2500	15,000
Pesticide Application	MD	6		2500	15,000
Weeding	MD	4		2500	10,000
fertiliser Application	MD	4		2500	10,000
Harvesting	MD	20		2500	50,000
Lunch		69		500	34,500
SUBTOTAL					207,000

Material Inputs	lb	2000	200	400,000
Planting Material				
Fertiliser:				
NPK 14-28-14	50kg	5	6200	31,000
Insecticide				
Caratrax	250 ml	4	1000	4,000
Fungicide				
Topsin	500 g	1	3000	3,000
Herbicide:				
Gai-Quat	Gallon	1	6000	6,000
SUBTOTAL				444,000

Transportation(10 percent of material)				44,400
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				8,750
Supervision (15 percent of labour and material)				97,650
SUBTOTAL				160,200
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				811,200

Parish	St. James
Crop	PINEAPPLE
Crop Maturity	18 Months
Reaping Period	12 Months
Planting Distance (l x w cm inches)	90 x 90 36 x 36
Plant Population	4840
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,895
Cost of Production \$/Kg	\$63

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Dig Holes	MD	10		2500	25,000
Maintaining Threnches	MD	4		2500	10,000
Planting	MD	10		2500	25,000
Pesticide Application	MD	2		2500	5,000
Weed Control	MD	15		2500	37,500
fertiliser Application	MD	3		2500	7,500
Harvesting	MD	20		2500	50,000
Lunch		74		500	37,000
SUBTOTAL					222,000

Material Inputs					
Planting Material	Suckers	5000		20	100,000
Fertiliser:					
NPK 15-5-35	50kg	5		5800	29,000
NPK 16-9-18	50kg	5		5500	27,500
Insecticide					
Karate	250ml	2		1600	3,200
Fungicide					
Amistar	50g	3		1650	4,950
Herbicide:					
Diuron	litre	2		2500	5,000
Velzone	250 ml	4		1200	4,800
SUBTOTAL					174,450

Other Costs					
Transportation (10 percent of material)					17,445
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					12,500
Supervision (15 percent of labour and material)					59,468
SUBTOTAL					101,413
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					497,863

Parish	St. James
Crop	PLANTAIN
Crop Maturity	9 Months
Reaping Period	3 Months
Planting Distance (l x w cm inches)	240 x 240 96 x 96
Plant Population	680
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,287
Cost of Production \$/Kg	\$55

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Dig Holes	MD	6		2500	15,000
Excavating Trenches	MD	9		2500	22,500
Planting	MD	6		2500	15,000
Pesticide Application	MD	8		2500	20,000
Weed Control	MD	12		2500	30,000
Fertiliser Application	MD	2		2500	5,000
Harvesting	MD	18		2500	45,000
Lunch		71		500	35,500
SUBTOTAL					213,000

Material Inputs					
Planting Material	Suckers	700		50	35,000
Cord	rolls	7		380	2,660
Fertiliser:					
NPK 15-5-35	50 kg	2		6000	12,000
Urea	50 kg	2		5800	11,600
Insecticide:					
Mocap	250 ml	15		1200	18,000
Fungicide:					
Tilt		4		1500	6,000
Sancozeb	500 g	4		3500	14,000
Herbicide:					
Paraquat	Gallon	1		4300	4,300
Gai-Quat	Gallon	1		4000	4,000
SUBTOTAL					107,560

Other Costs					
Transportation (10 percent of material)					10,756
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					8,000
Supervision (15 percent of labour and material)					48,084
SUBTOTAL					78,840
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					399,400

Parish	St. Mary
Crop	HOT PEPPER
Crop Maturity	4 Months
Reaping Period	8 Months
Planting Distance (l x w cm inches)	60 x 60 24 x 24
Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	7,996
Cost of Production \$/Kg	\$77

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	5		2000	10,000
Ploughing	Tractor	1		20000	20,000
Dig Holes	MD	6		2000	12,000
Irrigation Installation	MD	3		2000	6,000
Planting	MD	4		2000	8,000
Pesticide Application	MD	12		2000	24,000
Weed Control	MD	8		2000	16,000
fertiliser Application	MD	2		2000	4,000
Harvesting	MD	60		2000	120,000
Lunch		97		500	48,500
SUBTOTAL					268,500

Material Inputs					
Planting Material	seedling	10890		12	130,680
Water	monthly	8		2000	16,000
Fertiliser:					
NPK 11-22-22	50 kg	2		6200	12,400
NPK 15-5-35	50 kg	1		6050	6,050
Ammonium Sulphate	50 kg	1		4800	4,800
Insecticide:					
Cure	250 ml	4		3600	14,400
Newmectin	250 ml	1		6000	6,000
Pegasus	250 ml	1		4000	4,000
Fungicide:					
Bravo	litre	2		7000	14,000
Trivia	50 g	1		4500	4,500
Herbicide:					
Gai-Quat	litre	4		1300	5,200
SUBTOTAL					218,030

Other Costs					
Transportation (10 percent of material)					21,803
**Tools discounted for 5 years					29,400
Land Charges per crop cycle					5,000
Supervision (15 percent of labour and material)					72,980
SUBTOTAL					129,183
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					615,713

Parish	St. Mary
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	90 x 30 36 x 12
Plant Population	14520
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	9,312
Cost of Production \$/Kg	\$56

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Furrowing	MD	10		2500	25,000
Excavating Trenches	MD	4		2500	10,000
Moulding	MD	10		2500	25,000
Planting	MD	4		2500	10,000
Pesticide Application	MD	9		2500	22,500
fertiliser Application	MD	4		2500	10,000
Harvesting	MD	15		2500	37,500
Lunch		66		500	33,000
SUBTOTAL					198,000

Material Inputs					
Planting Material	22.7Kg	18		7500	135,000
Fertiliser:					
NPK 15-5-35	50 kg	5		5400	27,000
NPK 14-28-14	50 kg	5		6900	34,500
Insecticide					
Caprid	250 ml	4		1800	7,200
Cure	60 ml	4		1800	7,200
Caratrax	250 ml	7		800	5,600
Fungicide					
Dithane	500 g	6		800	4,800
Ridomil	500 g	2		2500	5,000
Herbicide:					
Glyphosate	litre	2		1600	3,200
SUBTOTAL					229,500

Other Costs					
Transportation (10 percent of material)					22,950
**Tools discounted for 5 years					9,400
Land Charges per crop cycle					1,665
Supervision (15 percent of labour and material)					64,125
SUBTOTAL					98,140
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					525,640

Parish	St. Mary
Crop	TOMATO
Crop Maturity	3 Months
Reaping Period	2 Months
Planting Distance (l x w cm inches)	90 x 90 36 x 36
Plant Population	4840
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,938
Cost of Production \$/Kg	\$88

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	4		2500	10,000
Ploughing	MD	8		2500	20,000
Furrowing	MD	5		2500	12,500
Nursery Operation	MD	2		2500	5,000
Transplanting	MD	10		2500	25,000
Stake and tie	MD	6		2500	15,000
Pesticide Application	MD	16		2500	40,000
Weed Control	MD	8		2500	20,000
fertiliser Application	MD	4		2500	10,000
Harvesting	MD	80		2500	200,000
Lunch		143		500	71,500
SUBTOTAL					429,000

Material Inputs	seed	3	8000	24,000
Planting Material	rolls	10	900	9,000
Cord stakes	manday	15	2000	30,000
Fertiliser:				
NPK 14.28.14	50 kg	6	6200	37,200
Urea	50 kg	2	6500	13,000
Insecticide				
Diazinon	250 ml	4	2050	8,200
Karate	250 ml	1	2000	2,000
Fungicide				
Dithane	1 kg	3	3000	9,000
Ridomil	500 ml	3	2400	7,200
Herbicide:				
Glyphosate	Gallon	1	4000	4,000
Dual Gold	Litre	1	9000	9,000
SUBTOTAL				152,600

Other Costs				15,260
Transportation (10 percent of material)				12,000
**Tools discounted for 5 years				2,100
Land Charges per crop cycle				87,240
Supervision (15 percent of labour and material)				116,600
SUBTOTAL				698,200
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				

Parish	St. Mary
Crop	PLANTAIN
Crop Maturity	12 Months
Reaping Period	4 Years
Planting Distance (l x w cm inches)	240 x 240 96 x 96
Plant Population	680
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,996
Cost of Production \$/Kg	\$45

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		2500	25,000
Dig Holes	MD	6		2500	15,000
Excavating Trenches	MD	9		2500	22,500
Planting	MD	6		2500	15,000
Pesticide Application	MD	8		2500	20,000
Weed Control	MD	12		2500	30,000
Fertiliser Application	MD	2		2500	5,000
Harvesting	MD	18		2500	45,000
Lunch		71		500	35,500
SUBTOTAL					213,000

Material Inputs					
Planting Material	Suckers	700		50	35,000
Cord	rolls	7		380	2,660
Fertiliser:					
NPK 15-5-35	50 kg	2		6000	12,000
Urea	50 kg	2		5800	11,600
Insecticide:					
Actara	250 ml	2		1200	2,400
Herbicide:					
Paraquat	Litre	4		1500	6,000
Gai-Quat	Gallon	1		4000	4,000
SUBTOTAL					73,660

Other Costs					
Transportation (10 percent of material)					7,366
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					8,000
Supervision (15 percent of labour and material)					42,999
SUBTOTAL					70,365
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					357,025

Parish	St. Thomas
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	2 Weeks
Planting Distance (l x w cm inches)	30 x 60 12 x 24
Plant Population	21780
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,478
Cost of Production \$/Kg	\$74

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	12	2500	30,000
Ploughing	MD	10	2500	25,000
Furrowing	MD	8	2500	20,000
Irrigation Installation	MD	3	2500	7,500
Nursery Operations	MD	4	2500	10,000
Transplanting	MD	8	2500	20,000
Moulding	MD	6	2500	15,000
Pesticide Application	MD	4	2500	10,000
Weed Control	MD	6	2500	15,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	16	2500	40,000
Lunch		48	500	24,000
SUBTOTAL				221,500

Material Inputs					
Planting Material	Pack (2000 seed)	10	3000		30,000
Seed Trays	each	100	270		27,000
Potting Mixture	bag	2	7000		14,000
Water	Monthly	3	8000		24,000
Fertiliser:					
NPK 11-22-22	50 kg	4	6700		26,800
Urea	50 kg	1	6250		6,250
Insecticide					
Diazinon	litre	3	3500		10,500
Fungicide					
Phyton-27	500 ml	1	2700		2,700
Ridomil	500 g	1	3200		3,200
Herbicide:					
Glyphos Maxx	litre	1	1450		1,450
Pilargola	500 ml	1	4500		4,500
SUBTOTAL					150,400

Other Costs					
Transportation (10 percent of material)					15,040
**Tools including Irrigation Equipment discounted for 5 years					36,000
Land Charges per crop cycle					3,360
Supervision (15 percent of labour and material)					55,785
SUBTOTAL					110,185
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					482,085

Parish	St. Thomas
Crop	ONION
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	30 x 15 12 x 6
Plant Population	87120
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	5,870
Cost of Production \$/Kg	\$76

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	5	2500	12,500
Ploughing	Tractor	1	12000	12,000
Harrowing	Tractor	1	6000	6,000
Furrowing	Tractor	1	6000	6,000
Dig Holes	MD	12	2500	30,000
Planting	MD	6	2500	15,000
Pesticide Application	MD	10	2500	25,000
Weed Control	MD	12	2500	30,000
fertiliser Application	MD	4	2500	10,000
Harvesting	MD	25	2500	62,500
Lunch		74	500	37,000
SUBTOTAL				246,000

Material Inputs

Planting Material	Pack	4	8500	34,000
Fertiliser:				
NPK 14-28-14	50 kg	3	6000	18,000
NPK 15-5-35	50 kg	3	5600	16,800
Ammonium Sulphate	50 kg	3	4500	13,500
Insecticide				
Caprid	Litre	2	8000	16,000
Caratraz	Litre	2	3500	7,000
Fungicide				
Ridomil	500 g	2	3300	6,600
Herbicide:				
Gramoxone	litre	3	1400	4,200
Dacthal	litre	4	4500	18,000
SUBTOTAL				116,100

Other Costs

Transportation (10 percent of material)				11,610
**Tools discounted for 5 years				12,000
Land Charges per crop cycle				3,360
Supervision (15 percent of labour and material)				54,315
SUBTOTAL				81,285
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				443,385

Parish	St. Thomas
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance (l x w cm inches)	60 x 60 24 x 24
Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	6,275
Cost of Production \$/Kg	\$85

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2000	20,000
Ploughing	Tractor	1	5500	5,500
Harrowing	Tractor	1	5500	5,500
Furrowing	Tractor	1	5500	5,500
Dig Holes	Job Work	1	4500	4,500
Planting	MD	4	2500	10,000
Pesticide Application	MD	16	2000	32,000
Weeding	MD	12	2000	24,000
fertiliser Application	MD	2	2000	4,000
Harvesting	MD	60	2000	120,000
Lunch				
		104	500	52,000
SUBTOTAL				283,000

Material Inputs					
Planting Material	seedling	7000		10	70,000
Fertiliser:					
NPK 11-22-22	50 kg	3		7000	21,000
NPK 15-5-35	50 kg	3		7000	21,000
20-20-20	lb	4		350	1,400
Insecticide					
Diazinon	litre	1		3500	3,500
Caprid	litre	1		6000	6,000
Cure	250 ml	2		3700	7,400
Fungicide					
Topsin	100 g	2		2800	5,600
Serenade	500 g	1		6000	6,000
Herbicide:					
Paraquat	Litre	6		1100	6,600
SUBTOTAL					148,500

Other Costs					
Transportation (10 percent of material)					14,850
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					8,000
Supervision (15 percent of labour and material)					64,725
SUBTOTAL					99,575
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					531,075

Parish	St. Thomas
Crop	CARROT
Crop Maturity	2 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcast
Plant Population	-
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,174
Cost of Production \$/Kg	\$47

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Ploughing	MD	8	2500	20,000
Furrowing	MD	8	2500	20,000
Planting	MD	4	2500	10,000
Pesticide Application	MD	5	2500	12,500
Weed Control	MD	10	2500	25,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	20	2500	50,000
Lunch		67	500	33,500
SUBTOTAL				201,000

Material Inputs

Planting Material	Pack	3	1400	4,200
Water	Monthly	3	1000	3,000
Fertiliser:				
NPK 15-5-35	50 kg	2	6000	12,000
Urea	50 kg	1	6500	6,500
Insecticide:				
Definite	250 ml	1	1500	1,500
Diazinon	Litre	1	4500	4,500
Herbicide:				
Paraquat	litre	4	1500	6,000
SUBTOTAL				37,700

Other Costs

Transportation (10 percent of material)				3,770
**Tools discounted for 5 years				12,000
Land Charges per crop cycle				2,000
Supervision (15 percent of labour and material)				35,805
SUBTOTAL				53,575
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				292,275

Parish	St. Thomas
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance (l x w cm inches)	75 x 60 30 x 24
Planting Population	3630
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	6,781
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2000	20,000
Dig Holes	MD	8	2000	16,000
Planting	MD	6	2000	12,000
Pesticide Application	MD	2	2000	4,000
Weed Control	MD	6	2000	12,000
Fertiliser Application	MD	2	2000	4,000
Harvesting	MD	18	2000	36,000
Lunch		52	500	26,000
SUBTOTAL				130,000

Material Inputs

Planting Material	sucker	3700	15	55,500
Fertiliser:				
NPK 14-28-14	50 kg	3	6500	19,500
Urea	50 kg	1	6500	6,500
Insecticide:				
Caprid	250 ml	3	2500	7,500
Herbicide:				
Gramaxone	Litre	2	1500	3,000
SUBTOTAL				92,000

Other Costs

Transportation (10 percent of material)				9,200
**Tools discounted for 5 years				12,000
Land Charges per crop cycle				4,600
Supervision (15 percent of labour and material)				33,300
SUBTOTAL				59,100
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				281,100

Parish	St. Thomas
Crop	YELLOW YAM
Crop Maturity	10 Months
Reaping Period	2 Weeks
Planting Distance (lxw) cm	120 x 120
inches	48 x48
Plant Population	2723
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	6,883
Cost of Production \$/Kg	\$81

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	8	2000	16,000
Dig Holes	MD	10	2000	20,000
Prepare Planting Material	MD	2	2000	4,000
Mounds	MD	10	2000	20,000
Planting	MD	3	2000	6,000
Staking	MD	8	2000	16,000
Pesticide Application	MD	2	2000	4,000
Weed Control	MD	8	2000	16,000
fertiliser Application	MD	2	2000	4,000
Harvesting	MD	18	2000	36,000
Lunch		71	500	35,500
SUBTOTAL				177,500

Material Inputs

Planting Material	head (lbs)	2000		100		200,000
Stakes		1		50000		50,000
Fertiliser:						
NPK 11-22-22	50 kg	2		6800		13,600
SUBTOTAL						263,600

Other Costs

Transportation (10 percent of material)					26,360
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					9,200
Supervision (15 percent of labour and material)					66,165
SUBTOTAL					113,725
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					554,825

Parish	Trelawny
Crop	GINGER
Crop Maturity	9 Months
Reaping Period	
Planting Distance (l x w)	30 x 30
	inches 12 x 12
Plant Population	43560
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	6,325
Cost of Production \$/Kg	\$117

Material Inputs

Planting Material	lb	1600		180		288,000
Herbicide:						
Glyphosate	gallon	2		1250		2,500
SUBTOTAL						290,500

Other Costs

Transportation (10 percent of material)			29,050
**Tools discounted for 5 years			12,000
Land Charges per crop cycle			3,750
Supervision (15 percent of labour and material)			90,375
SUBTOTAL			135,175
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			737,675

Parish	Trelawny
Crop	SWEET YAM
Crop Maturity	9 Months
Reaping Period	8 Months
Planting Distance (l x w cm inches)	120 x 60 48 x 24
Plant Population	5445
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	5,938
Cost of Production \$/Kg	\$126

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	10		3000	30,000
Dig Holes	MD	10		3000	30,000
Excavating Trenches	MD	4		3000	12,000
Planting/Mounding	MD	4		3000	12,000
Staking	MD	5		3000	15,000
Weed Control	MD	10		3000	30,000
fertiliser Application	MD	2		3000	6,000
Harvesting	MD	15		3000	45,000
Lunch		60		500	30,000
SUBTOTAL					210,000

Material Inputs					
Planting Material	heads/lbs	5000		60	300,000
Stakes	each	2500		15	37,500
Fertiliser:					
NPK 14.28.14	50 kg	5		6500	32,500
Fungicide					
Amistar	250 g	6		1800	10,800
Mancozeb	100 g	2		950	1,900
Herbicide:					
Glyphosate	litre	4		1500	6,000
SUBTOTAL					388,700

Other Costs					
Transportation (10 percent of material)					38,870
**Tools discounted for 5 years					12,000
Land Charges per crop cycle					11,360
Supervision (15 percent of labour and material)					89,805
SUBTOTAL					152,035
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					750,735

Parish	Trelawny
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	60 x 30 30 x 12
Plant Population	17424
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	5,466
Cost of Production \$/Kg	\$91

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	6		3000	18,000
Ploughing	MD	10		3000	30,000
Furrowing	MD	5		3000	15,000
Excavating Trenches	MD	4		3000	12,000
Moulding	MD	10		3000	30,000
Planting	MD	4		3000	12,000
Pesticide Application	MD	12		3000	36,000
fertiliser Application	MD	2		3000	6,000
Harvesting	MD	15		3000	45,000
Lunch		68		500	34,000
SUBTOTAL					238,000

Material Inputs

Planting Material	22.7Kg	18		5500		99,000
Fertiliser:						
NPK 14-28-14	50 kg	8		6200		49,600
Insecticide						
Pegasus	250 ml	1		4200		4,200
Diazinon	120 ml	6		500		3,000
Fungicide						
Dithane	500 g	10		900		9,000
Ridomil	500 g	3		1350		4,050
Herbicide:						
Glyphosate	litre	2		1500		3,000
SUBTOTAL						168,850

Other Costs

Transportation (10 percent of material)				16,885
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				2,664
Supervision (15 percent of labour and material)				61,028
SUBTOTAL				89,977
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				496,827

Parish	Trelawny
Crop	SWEET POTATO
Crop Maturity	5 Months
Reaping Period	1 Month
Planting Distance (l x w cm inches)	90 x 30 36 x 12
Plant Population	14520
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	5,972
Cost of Production \$/Kg	\$64

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	2		3000	6,000
Ploughing	Tractor	1		25000	25,000
Harrowing	Tractor	1		12000	12,000
Furrowing	Tractor	1		12000	12,000
Preparing Planting Material	MD	4		3000	12,000
Planting	MD	8		3000	24,000
Moulding	MD	8		3000	24,000
Pesticide Application	MD	4		3000	12,000
Weed Control	MD	5		3000	15,000
fertiliser Application	MD	2		3000	6,000
Harvesting	MD	15		3000	45,000
Lunch		48		500	24,000
SUBTOTAL					217,000

Material Inputs

Planting Material	slips	14500		2	29,000
Fertiliser:					
NPK 14-28-14	50 kg	3		6200	18,600
NPK 11-22-22	50 kg	3		8000	24,000
Insecticide:					
Karate	250 ml	6		1300	7,800
Caprid	250 ml	1		2300	2,300
Fungicide					
Dithane	pack	1		1000	1,000
Mancozeb	pack	1		1450	1,450
Herbicide:					
Gai-Quat	Gallon	2		4050	8,100
SUBTOTAL					92,250

Other Costs

Transportation (10 percent of material)				9,225
**Tools discounted for 5 years				12,000
Land Charges per crop cycle				4,000
Supervision (15 percent of labour and material)				46,388
SUBTOTAL				71,613
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				380,863

Parish	Trelawny		
Crop	YELLOW YAM		
Crop Maturity	9 Months		
Reaping Period	4 Months		
Planting Distance	cm	120 x 120	
	inches	48 x 48	
Plant Population	2723		
Topography	Relatively Flat Land Farm		
Land Preparation	Manual		
Irrigated/Rain fed	Rainfed		
Area	0.4 hectare		
Man-day Charge (excluding lunch)	\$3,000		
Projected Marketable Yield (Kg)	6,579		
Cost of Production \$/Kg	\$87		

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	8		3000	24,000
Dig Holes	MD	10		3000	30,000
Prepare Planting Material	MD	2		3000	6,000
Mounds	MD	15		3000	45,000
Planting	MD	3		3000	9,000
Staking	MD	12		3000	36,000
Pesticide Application	MD	2		3000	6,000
Weed Control	MD	8		3000	24,000
fertiliser Application	MD	2		3000	6,000
Harvesting	MD	25		3000	75,000
Lunch					
SUBTOTAL		87		500	43,500
					304,500

Material Inputs

Planting Material	head (lbs)	2000		30	60,000
Stakes	each	1		50000	50,000
Fertiliser:					
NPK 14-28-14	50 kg	4		6600	26,400
NPK 15-5-35	50 kg	4		5650	22,600
Herbicide					
Glyphosate	Gallon	3		4200	12,600
SUBTOTAL					159,000

Other Costs

Transportation (10 percent of material)				15,900
**Tools discounted for 5 years				12,000
Land Charges per crop cycle				10,800
Supervision (15 percent of labour and material)				69,525
SUBTOTAL				108,225
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				571,725

Parish	St. James
Crop	PLANTAIN
Crop Maturity	11 Months
Reaping Period	-
Planting Distance (l x w cm inches)	210 x 210 84 x 84
Plant Population	700
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	7,692
Cost of Production \$/Kg	\$66

Labour Operations	Unit	No. of Units		Cost/Unit	Total Cost
Land Clearing	MD	2		3000	6,000
Harrowing	Tractor	1		45000	45,000
Dig Holes	MD	8		3000	24,000
Preparing Planting Material	MD	2		3000	6,000
Planting	MD	6		3000	18,000
Pesticide Application	MD	2		3000	6,000
Weed Control	MD	6		3000	18,000
Fertiliser Application	MD	3		3000	9,000
Harvesting	MD	18		3000	54,000
Lunch		47		500	23,500
SUBTOTAL					209,500

Material Inputs					
Planting Material	Suckers	700		100	70,000
Water	Monthly	8		2500	20,000
Fertiliser:					
NPK 14-28-14	50 kg	2		6500	13,000
NPK 15-5-35	50 kg	2		6900	13,800
Ammonium Sulphate	50 kg	2		5200	10,400
Insecticide:					
Mocap	250 ml	5		1200	6,000
Herbicide:					
Glyphosate	Gallon	6		4250	25,500
SUBTOTAL					158,700

Other Costs					
Transportation (10 percent of material)					15,870
**Tools discounted for 5 years					60,000
Land Charges per crop cycle					7,360
Supervision (15 percent of labour and material)					55,230
SUBTOTAL					138,460
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					506,660

Parish	Westmoreland
Crop	PLANTAIN
Crop Maturity	9 Months
Reaping Period	2 Years
Planting Distance (l x w)	cm 240 x 240
	inches 96 x 96
Plant Population	680
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,794
Cost of Production \$/Kg	\$45

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Dig Holes	MD	10	2500	25,000
Preparing Planting Material	MD	2	2500	5,000
Planting	MD	8	2500	20,000
Pesticide Application	MD	4	2500	10,000
Weed Control	MD	9	2500	22,500
fertiliser Application	MD	3	2500	7,500
Harvesting	MD	20	2500	50,000
Lunch		66	500	33,000
SUBTOTAL				198,000

Material Inputs					
Planting Material	Sucker	700		45	31,500
Fertiliser:					
NPK 14-28-14	50 kg	4	5500		22,000
NPK 15-5-35	50 kg	4	5600		22,400
Insecticide					
Malathion	125 ml	1	1800		1,800
Mocap	250 ml	3	1200		3,600
Fungicide					
Ridomil	250 g	2	950		1,900
Herbicide:					
Gai-Quat	litre	3	1800		5,400
SUBTOTAL					88,600

Other Costs				
Transportation (10 percent of material)				8,860
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				4,600
Supervision (15 percent of labour and material)				42,990
SUBTOTAL				65,850
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				352,450

Parish	Westmoreland
Crop	PINEAPPLE
Crop Maturity	12 Months
Reaping Period	36 Months
Planting Distance (l x w)	cm 60 x 180
	inches 24 x 72
Plant Population	3630
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,500
Projected Marketable Yield (Kg)	7,692
Cost of Production \$/Kg	\$68

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	10	2500	25,000
Furrowing	MD	15	2500	37,500
Maintaining Trenches	MD	2	2500	5,000
Preparing Planting Material	MD	2	2500	5,000
Planting	MD	8	2500	20,000
Pesticide Application	MD	4	2500	10,000
fertiliser Application	MD	4	2500	10,000
Harvesting	MD	30	2500	75,000
Lunch		75	500	37,500
SUBTOTAL				225,000

Material Inputs

Planting Material	Suckers	3000		40		120,000
Fertiliser:						
NPK 16-9-18	50 kg	7		5700		39,900
NPK 15-5-35	50 kg	2		5600		11,200
Insecticide						
Diazinon	litre	1		3200		3,200
Fungicide						
Dithane	500 g	2		1100		2,200
Herbicide:						
Diuron	litre	3		2300		6,900
Glyphosate	litre	1		1300		1,300
Karmex	kg	2		2000		4,000
SUBTOTAL						188,700

Other Costs

Transportation (10 percent of material)				18,870
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				20,000
Supervision (15 percent of labour and material)				62,055
SUBTOTAL				110,325
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				524,025

Parish	WESTMORELAND
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Week
Planting Distance (l x w)	cm 30 x 30
	inches 12 x 12
Plant Population	43560
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$3,000
Projected Marketable Yield (Kg)	5,769
Cost of Production \$/Kg	\$102

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	Job	10	3000	30,000
Ploughing	Job	15	3000	45,000
Furrowing	Job	10	3000	30,000
Dig Holes	MD	3	3000	9,000
Moulding	MD	15	3000	45,000
Planting	MD	8	3000	24,000
Pesticide Application	MD	4	3000	12,000
fertiliser Application	MD	1	3000	3,000
Harvesting	MD	20	3000	60,000
Lunch		43	500	21,500
SUBTOTAL				279,500

Material Inputs					
Planting Material	22.7Kg	20	6500		130,000
Fertiliser:					
NPK 11-22-22	50 kg	4	6000		24,000
NPK 14-28-14	50 kg	4	5500		22,000
Insecticide					
Caprid	250 ml	1	1150		1,150
Cure	250 ml	3	2000		6,000
Caratrax	250 ml	3	1100		3,300
Fungicide					
Dithane	pack	4	700		2,800
Amistar	500 g	4	2000		8,000
Herbicide:					
Glyphosate	gallon	1	4500		4,500
SUBTOTAL					201,750

Other Costs					
Transportation (10 percent of material)					20,175
**Tools discounted for 5 years					9,400
Land Charges per crop cycle					3,330
Supervision (15 percent of labour and material)					72,188
SUBTOTAL					105,093
TOTAL OPERATING EXPENDITURE PER CROP CYCLE					586,343

Parish	Westmoreland	
Crop	SWEET POTATO	
Crop Maturity	3 Months	
Reaping Period	1 Month	
Planting Distance (l x w)	cm	30 x 30
	inches	12 x 12
Plant Population	43560	
Topography	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,500	
Projected Marketable Yield (Kg)	6,883	
Cost of Production \$/Kg	\$43	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing	MD	12	2500	30,000
Ploughing	MD	18	2500	45,000
Maintain Trenches	MD	2	2500	5,000
Preparing Planting Material	MD	2	2500	5,000
Planting	MD	9	2500	22,500
Pesticide Application	MD	1	2500	2,500
Weed Control	MD	4	2500	10,000
fertiliser Application	MD	2	2500	5,000
Harvesting	MD	20	2500	50,000
Lunch		70	500	35,000
SUBTOTAL				210,000

Material Inputs

Planting Material	slips	1	15000	15,000
Fertiliser:				
NPK 14-28-14	50 kg	1	6700	6,700
Insecticide				
Caratrax	250 ml	1	1000	1,000
Selecron	250 ml	1	2200	2,200
Herbicide:				
Glyosphate	Gallon	2	4200	8,400
SUBTOTAL				33,300

Other Costs

Transportation (10 percent of material)				3,330
**Tools discounted for 5 years				9,400
Land Charges per crop cycle				1,998
Supervision (15 percent of labour and material)				36,495
SUBTOTAL				51,223
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				294,523