Cost of Production Estimates 2023

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.

SUMMARY OF RESULTS

Crop	COP $/kg	COP $/lb	Parish
YELLOW YAM	160	73	CLARENDON
SWEET YAM	322	146	CLARENDON
DASHEEN	102	46	CLARENDON
GINGER	122	55	CLARENDON
LETTUCE	80	36	CLARENDON
CASSAVA	61	28	CLARENDON
DASHEEN	78	35	HANOVER
HOT PEPPER	178	81	HANOVER
YELLOW YAM	224	102	HANOVER
IRISH POTATO	110	50	MANCHESTER
SWEET POTATO	53	24	MANCHESTER
CABBAGE	70	32	MANCHESTER
HOT PEPPER	156	71	MANCHESTER
TOMATO	72	33	MANCHESTER
DASHEEN	81	37	PORTLAND
CABBAGE	80	36	PORTLAND
CARROT	43	20	PORTLAND
HOT PEPPER	163	74	PORTLAND
YELLOW YAM	160	73	PORTLAND
CABBAGE	92	42	ST. ANDREW
YELLOW YAM	193	88	ST. ANDREW
CARROT	43	20	ST. ANDREW
IRISH POTATO	148	67	ST. ANN
HOT PEPPER	134	61	ST. ANN
CABBAGE	94	43	ST. ANN
YELLOW YAM	141	64	ST. ANN
HOT PEPPER	125	57	ST. CATHERINE
SWEET POTATO	57	26	ST. CATHERINE
DASHEEN	115	52	ST. CATHERINE
ONION	215	98	ST. CATHERINE
CARROT	55	25	ST. ELIZABETH
PINEAPPLE	207	94	ST. ELIZABETH
TOMATO	115	52	ST. ELIZABETH
SWEET POTATO	66	30	ST. ELIZABETH
RED PEAS	927	421	ST. ELIZABETH
IRISH POTATO	140	64	ST. ELIZABETH
DASHEEN	78	35	ST. ELIZABETH
ESCALLION	261	119	ST. ELIZABETH
CABBAGE	92	42	ST. JAMES
DASHEEN	109	50	ST. JAMES
PINEAPPLE	92	42	ST. JAMES
SWEET YAM	264	120	ST. JAMES
HOT PEPPER	176	80	ST. JAMES
HOT PEPPER	201	91	ST. MARY
IRISH POTATO	279	127	ST. MARY
TOMATO	145	66	ST. MARY
PLANTAIN	82	37	ST. MARY
CABBAGE	88	40	ST. THOMAS
ONION	140	64	ST. THOMAS
HOT PEPPER	185	84	ST. THOMAS
CARROT	51	23	ST. THOMAS
DASHEEN	89	40	ST. THOMAS
GINGER	189	86	TRELAWNY
SWEET YAM	209	95	TRELAWNY
IRISH POTATO	170	77	TRELAWNY
SWEET POTATO	73	33	TRELAWNY
YELLOW YAM	160	73	TRELAWNY
PLANTAIN	95	43	TRELAWNY
DASHEEN	108	49	WESTMORELAND
PINEAPPLE	111	50	WESTMORELAND
IRISH POTATO	148	67	WESTMORELAND
SWEET POTATO	73	33	WESTMORELAND

Parish	Clarendon
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	3 Months
Number of Hills	1000
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,692
Cost of Production $/Kg	**$160**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	10		3500		35,000
Open Mounds	MD	10		3500		35,000
Excavating Trenches	Per chain	10		4500		45,000
Prepare Planting Material	MD	2		3500		7,000
Close Mounds	MD	10		3500		35,000
Planting	MD	5		3500		17,500
Stake and tie	MD	6		3500		21,000
Weed Control (twice)	MD	20		3500		70,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	30		3500		105,000
Lunch		97		1000		97,000
SUBTOTAL						**481,500**
Material Inputs						
Planting Material	Heads (lbs)	3000		120		360,000
Stakes	each	1000		100		100,000
Fertiliser:						
NPK 14-28-14	50 kg	3		11400		34,200
Ammonium Sulphate	50 kg	2		8400		16,800
Herbicide:						
Glyphosate	Gallon	2		6370		12,740
SUBTOTAL						**523,740**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						52,374
Land Charges per crop cycle						12,500
Supervsion (15 percent of labour and material)						150,786
SUBTOTAL						**227,660**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,232,900**

Parish	Clarendon
Crop	SWEET YAM
Crop Maturity	9 Months
Reaping Period	3 Months
Number of Hills	1200
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,613
Cost of Production $/Kg	**$322**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	10		3500		35,000
Open Mounds	MD	10		3500		35,000
Excavating Trenches	Per chain	10		4500		45,000
Close Mounds	MD	10		3500		35,000
Planting	MD	6		3500		21,000
Stake & Tie	MD	8		3500		28,000
Pesticide Application	MD	7		3500		24,500
Weed Control (twice)	MD	20		3500		70,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	20		3500		70,000
Lunch		95		1000		95,000
SUBTOTAL						**472,500**
Material Inputs						
Planting Material	head (lbs)	6000		180		1,080,000
Stakes	each	1000		100		100,000
Fertiliser:						
NPK 14-28-14	50 kg	4		11400		45,600
Fungicide						
Silvacur	250 ml	2		3600		7,200
Topsin	500 g	2		3200		6,400
Herbicide:						
Gai-Quat	Gallon	1		4700		4,700
Glyphosate	Gallon	1		6370		6,370
SUBTOTAL						**1,250,270**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						125,027
Land Charges per crop cycle						12,500
Supervsion (10 percent of labour and material)						258,416
SUBTOTAL						**407,943**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**2,130,713**

Parish	Clarendon
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	3 Months
Estimated Plant Population	10890
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,085
Cost of Production $/Kg	**$102**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	10		3500		35,000
Excavating Trenches	Per chain	10		4500		45,000
Dig Holes	MD	10		3500		35,000
Planting	MD	6		3500		21,000
Pesticide Application	MD	4		3500		14,000
Weed Control	MD	12		3500		42,000
Fertiliser Application	MD	1		3500		3,500
Harvesting	MD	15		3500		52,500
Lunch		60		1000		60,000
SUBTOTAL						**315,000**
Material Inputs						
Planting Material	sucker	10890		20		217,800
Fertiliser:						
NPK 11-22-22	50 kg	2		11400		22,800
Insecticide:						
Caratrax	litre	2		4300		8,600
Caprid	litre	2		9200		18,400
Herbicide:						
Glyphosate	litre	1		1450		1,450
SUBTOTAL						**269,050**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						26,905
Land Charges per crop cycle						12,500
Supervsion (15 percent of labour and material)						87,608
SUBTOTAL						**139,013**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**723,063**

Parish	Clarendon
Crop	GINGER
Crop Maturity	9 Months
Reaping Period	2 Months
Estimated Plant Population	43560
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,680
Cost of Production $/Kg	**$122**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing(chemical)	MD	2		3500		7,000
Land Cleaning	MD	10		3500		35,000
Forking	MD	20		3500		70,000
Excavating Trenches	Per chain	10		4500		45,000
Preparing Planting Material	MD	2		3500		7,000
Planting	MD	4		3500		14,000
Weed Control	MD	20		3500		70,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	20		3500		70,000
Lunch		80		1000		80,000
SUBTOTAL						**405,000**
Material Inputs						
Planting Material	lbs	1200		180		216,000
Fertiliser:						
Ammonium Sulphate	50 kg	5		8400		42,000
SUBTOTAL						**258,000**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						25,800
Land Charges per crop cycle						12,500
Supervsion (15 percent of labour and material)						99,450
SUBTOTAL						**149,750**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**812,750**

Parish	Clarendon
Crop	LETTUCE
Crop Maturity	2 Months
Reaping Period	3 Week
Estimated Plant Population	21780
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,875
Cost of Production $/Kg	**$80**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	10		3500		35,000
Forking	MD	20		3500		70,000
Drilling	MD	4		3500		14,000
Excavating Trenches	Per chain	10		4500		45,000
Sowing seeds	MD	1		3500		3,500
Thinning & supplying seedlings	MD	2		3500		7,000
Pesticide Application	MD	4		3500		14,000
Weed Control	MD	8		3500		28,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	10		3500		35,000
Lunch		63		1000		63,000
SUBTOTAL						**328,500**
Material Inputs						
Planting Material	Pack	1		6500		6,500
Fertiliser:						
NPK 14-28-14	50 kg	3		11400		34,200
Insecticide:						
Karate	250 ml	2		1800		3,600
Caprid	250 ml	1		3000		3,000
Fungicide:						
Antrical	500 g	3		2300		6,900
Mancozeb	500 g	6		900		5,400
Herbicide:						
Gai-Quat	litre	2		1100		2,200
SUBTOTAL						**61,800**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						6,180
Land Charges per crop cycle						3,125
Supervsion (15 percent of labour and material)						58,545
SUBTOTAL						**79,850**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**470,150**

Parish	Clarendon
Crop	CASSAVA
Crop Maturity	12 Months
Reaping Period	2 Months
Estimated Plant Population	7260
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	8,097
Cost of Production $/Kg	**$61**

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Clearing (chemical)	MD	2	3500	7,000
Land Cleaning	MD	10	3500	35,000
Making Mounds	MD	20	3500	70,000
Planting	MD	3	3500	10,500
Pesticide Application	MD	3	3500	10,500
Weed Control	MD	4	3500	14,000
Fertiliser Application	MD	2	3500	7,000
Harvesting	MD	30	3500	105,000
Lunch		74	1000	74,000
SUBTOTAL				**333,000**
Material Inputs				
Planting Material	sticks	7260	5	36,300
Fertiliser:				
NPK 14-28-14	50 kg	2	11400	22,800
Insecticide				
Diazinon	litre	1	2050	2,050
Caprid	250 ml	1	3000	3,000
Herbicide:				
Paraquat	litre	2	1450	2,900
SUBTOTAL				**67,050**
Other Costs				
Transportation (10 per cent of material)				6,705
**Tools depreciated (5 years)				12,000
Land Charges per crop cycle				12,500
Supervision (15 percent of labour and material)				60,008
SUBTOTAL				**91,213**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				**491,263**

Parish	Hanover
Crop	DASHEEN
Crop Maturity	7 Months
Reaping Period	1 Month
Estimated Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,996
Cost of Production $/Kg	**$78**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		3500		35,000
Dig Holes	Acre	1		40000		40,000
Planting	MD	5		3500		17,500
Pesticide Application	MD	8		3500		28,000
Weed Control (chemical)	MD	6		3500		21,000
Fertiliser Application	MD	1		3500		3,500
Harvesting	MD	22		3500		77,000
Lunch		52		1000		52,000
SUBTOTAL						**274,000**
Material Inputs						
Planting Material	sucker	11000		15		165,000
Fertiliser:						
NPK 11-22-22	50 kg	1		13250		13,250
NPK 14-28-14	50 kg	2		13450		26,900
Insecticide:						
Diazinon	250 ml	2		1200		2,400
Engeo	250 ml	2		4000		8,000
Herbicide:						
Scorcher	Gallon	3		3500		10,500
SUBTOTAL						**226,050**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						22,605
Land Charges per crop cycle						10,375
Supervsion (15 percent of labour and material)						75,008
SUBTOTAL						**119,988**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**620,038**

Parish	Hanover
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	6 Months
Estimated Plant Population	5445
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,466
Cost of Production $/Kg	**$178**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		3500		35,000
Dig Holes	MD	10		3500		35,000
Planting	MD	6		3500		21,000
Pesticide Application	MD	15		3500		52,500
Weed Control	MD	20		3500		70,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	50		3500		175,000
Lunch		114		1000		114,000
SUBTOTAL						**513,000**
Material Inputs						
Planting Material	seedlings	5500		20		110,000
Fertiliser:						
NPK 11-22-22	50 kg	3		13250		39,750
Urea	50 kg	2		12700		25,400
NPK 15-5-35	50 kg	4		13350		53,400
Insecticide						
Caprid	250 ml	4		3000		12,000
Caratrax	litre	1		4300		4,300
Cure	250 ml	3		4100		12,300
Selecron	litre	1		8300		8,300
Indox	250 ml	1		2100		2,100
Fungicide:						
Dithane	500 g	2		1500		3,000
Ridomil Gold	500 g	2		4015		8,030
Sulcox	500 g	2		2200		4,400
Herbicide:						
Glyphosate	litre	2		1350		2,700
SUBTOTAL						**285,680**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						28,568
Land Charges per crop cycle						13,500
Supervision (15 percent of labour and material)						119,802
SUBTOTAL						**173,870**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**972,550**

Parish	Hanover
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	2 Months
Number of Hills	1600
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,883
Cost of Production $/Kg	**$224**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		3500		35,000
Making Hills	MD	24		3500		84,000
Excavating Trenches	MD	10		3500		35,000
Prepare Planting Material	MD	2		3500		7,000
Planting	MD	5		3500		17,500
Stake & Tie	MD	16		3500		56,000
Weed Control (twice)	MD	32		3500		112,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	30		3500		105,000
Lunch		131		1000		131,000
SUBTOTAL						**589,500**
Material Inputs						
Planting Material	head (lbs)	5000		100		500,000
Stakes	each	1600		60		96,000
Fertiliser:						
NPK 14-28-14	22.7 kg	6		6700		40,200
NPK 15-5-35	22.7 kg	6		6600		39,600
SUBTOTAL						**675,800**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						67,580
Land Charges per crop cycle						10,375
Supervision (15 percent of labour and material)						189,795
SUBTOTAL						**279,750**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,545,050**

Parish	Manchester
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	2 Weeks
Estimated Plant Population	7260
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	5,972
Cost of Production $/Kg	**$110**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (Chemical)	MD	2		3000		6,000
Forking	MD	18		3000		54,000
Furrowing	MD	12		3000		36,000
Planting	MD	6		3000		18,000
Weeding & Moulding	MD	15		3000		45,000
Pesticide Application	MD	8		3000		24,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	15		3000		45,000
Lunch		78		500		39,000
SUBTOTAL						**273,000**
Material Inputs						
Planting Material	Seeds	18		6500		117,000
Fertiliser:						
NPK 14-28-14	50 kg	9		11400		102,600
Insecticide:						
Cure	500 ml	3		3900		11,700
Caprid	litre	2		9200		18,400
Fungicide:						
Mancozeb	500 g	4		850		3,400
Ridomil Gold	500 g	3		3000		9,000
Herbicide:						
Glyphosate	litre	2		1300		2,600
SUBTOTAL						**264,700**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						26,470
Land Charges per crop cycle						2,520
Supervision (15 percent of labour and material)						80,655
SUBTOTAL						**121,645**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**659,345**

Parish	Manchester
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	4 Months
Estimated Plant Population	14520
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,275
Cost of Production $/Kg	**$53**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (Chemical)	MD	2		3000		6,000
Ploughing	Tractor/acre	1		20000		20,000
Furrowing	Tractor/acre	1		20000		20,000
Preparing Planting Material	MD	3		3000		9,000
Planting	MD	6		3000		18,000
Pesticide Application	MD	4		3000		12,000
Weed Control	MD	12		3000		36,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	20		3000		60,000
Lunch		49		500		24,500
SUBTOTAL						**211,500**
Material Inputs						
Planting Material	slips	15000		1		15,000
Fertiliser:						
NPK 14-28-14	50 kg	2		11400		22,800
Insecticide:						
Diazinon	litre	1		2850		2,850
Fungicide:						
Ridomil Gold	500 g	5		3000		15,000
Herbicide:						
Glyphosate	litre	2		1300		2,600
SUBTOTAL						**58,250**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 percent of material)						5,825
Land Charges per crop cycle						6,000
Supervision (15 percent of labour and material)						40,463
SUBTOTAL						**64,288**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**334,038**

Parish	Manchester
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	2.5 Weeks
Estimated Plant Population	29040
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,883
Cost of Production $/Kg	**$70**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing (chemical)	MD	2		3000		6,000
Forking	MD	18		3000		54,000
Dig Holes	MD	10		3000		30,000
Planting	MD	10		3000		30,000
Weeding & Moulding	MD	12		3000		36,000
Pesticide Application	MD	8		3000		24,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	6		3000		18,000
Lunch		50		500		25,000
SUBTOTAL						**229,000**
Material Inputs						
Planting Material	Pack	6		8500		51,000
Fertiliser:						
Ammonium Sulphate	50 kg	3		8500		25,500
NPK 14-28-14	50 kg	3		11400		34,200
Insecticide						
Cure	500 ml	2		3900		7,800
Tracer	120 ml	2		3300		6,600
Xentari	454 g	3		3000		9,000
Caprid	litre	2		7200		14,400
Fungicide						
Ridomil Gold	500 g	2		3500		7,000
Carbendazim	litre	1		2800		2,800
Spreader/Sticker						
N oil	500 ml	2		1550		3,100
Herbicide:						
Glyposhate	litre	2		1300		2,600
SUBTOTAL						**164,000**
Other Costs						
Transportation (10 percent of material)						16,400
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						58,950
SUBTOTAL						**90,710**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**483,710**

Parish	Manchester
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	6 Months
Estimated Plant Population	7260
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	5,263
Cost of Production $/Kg	**$156**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing (chemical)	MD	2		3000		6,000
Dig Holes	MD	8		3000		24,000
Transplanting	MD	5		3000		15,000
Pesticide Application	MD	16		3000		48,000
Weed Control	MD	28		3000		84,000
Fertiliser Application	MD	6		3000		18,000
Harvesting	MD	32		3000		96,000
Lunch		97		500		48,500
SUBTOTAL						**339,500**
Material Inputs						
Planting Material	seedling	7260		20		145,200
Fertiliser:						
Initiator	25 lb	1		4000		4,000
Production	25 lb	2		3350		6,700
NPK 14-28-14	50 kg	5		11400		57,000
Insecticide						
Caprid	litre	2		7200		14,400
Pegasus	litre	2		15000		30,000
Newmectin	litre	2		19525		39,050
Cure	500 ml	2		3900		7,800
Fungicide						
Mancozeb	500 g	4		1000		4,000
Ridomil Gold	500 g	4		3000		12,000
Bravo	litre	1		5800		5,800
Herbicide:						
Glyphosate	litre	2		1300		2,600
SUBTOTAL						**328,550**
Other Costs						
Transportation (10 percent of material)						32,855
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						8,000
Supervision (15 percent of labour and material)						100,208
SUBTOTAL						**153,063**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**821,113**

Parish	Manchester
Crop	TOMATO
Crop Maturity	3 Months
Reaping Period	2 Months
Estimated Plant Population	5445
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,651
Cost of Production $/Kg	**$72**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Dig Holes	MD	8		3000		24,000
Nursery Operation	MD	3		3000		9,000
Transplanting	MD	8		3000		24,000
Pesticide Application	MD	10		3000		30,000
Weed Control	MD	20		3000		60,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	16		3000		48,000
Lunch		69		500		34,500
SUBTOTAL						**241,500**
Material Inputs						
Planting Material	pack	5		7350		36,750
Potting Mixture	bag	1		7000		7,000
Seed Trays	each	28		220		6,160
Fertiliser:						
NPK 14-28-14	50 kg	2		11400		22,800
NPK 15-5-35	50 kg	2		11750		23,500
Ammonium Sulphate	50 kg	1		8500		8,500
Insecticide						
Caratrax	250 ml	2		1950		3,900
Caprid	250 ml	2		2300		4,600
Cure	250 ml	2		3900		7,800
Newmectin	250 ml	2		6085		12,170
Fungicide						
Ridomil Gold	500 g	2		3000		6,000
Sulcox	500 g	2		1850		3,700
Herbicide:						
Glyphosate	litre	2		1300		2,600
SUBTOTAL						**145,480**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 percent of material)						14,548
Land Charges per crop cycle						4,000
Supervision (15 percent of labour and material)						58,047
SUBTOTAL						**88,595**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**475,575**

Parish	St. Andrew
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	21780
Topography	Relatively Flat land farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$2,500
Projected Marketable Yield (Kg)	6,073
Cost of Production $/Kg	**$92**

Labour Operations		**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		2500		5,000
Land Cleaning	MD	8		2500		20,000
Forking	MD	10		2500		25,000
Furrowing	MD	10		2500		25,000
Maintaining Trenches	MD	5		2500		12,500
Nursery Operations	MD	3		2500		7,500
Transplanting	MD	8		2500		20,000
Weeding & Moulding	MD	18		2500		45,000
Pesticide Application	MD	22		2500		55,000
Fertiliser Application	MD	3		2500		7,500
Harvesting	MD	12		2500		30,000
Lunch		101		1000		101,000
SUBTOTAL						**353,500**
Material Inputs						
Planting Material	25000 seeds	1		11200		11,200
Fertiliser:						
NPK 14-28-14	50 kg	2		11200		22,400
Ammonium Sulphate	50 kg	2		8400		16,800
Insecticide						
Caprid	250 ml	6		2700		16,200
Tracer	120 ml	2		3000		6,000
Caratrax	Litre	2		3320		6,640
Pegasus	250 ml	4		4520		18,080
Karate	250 ml	2		2300		4,600
Fungicide						
Ridomil Gold	500 g	2		3100		6,200
Topsin	250 g	2		1600		3,200
Herbicide:						
Glyphosate	Litre	1		1450		1,450
SUBTOTAL						**112,770**
Other Costs						
Transportation (10 percent of labour and material)						11,277
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,998
Supervision (15 percent of labour and material)						69,941
SUBTOTAL						**95,216**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**561,486**

Parish	St. Andrew
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	2 Month
Number of Hills	2000
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$2,500
Projected Marketable Yield (Kg)	6,680
Cost of Production $/Kg	**$193**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		2500		5,000
Land Cleaning	MD	8		2500		20,000
Dig Holes	MD	12		2500		30,000
Prepare Planting Material	MD	2		2500		5,000
Make Mounds	MD	10		2500		25,000
Planting	MD	10		2500		25,000
Transport Stakes	each	2000		20		40,000
Stake & Tie	MD	20		2500		50,000
Weed Control (twice)	MD	20		2500		50,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	20		2500		50,000
Lunch		106		1000		106,000
SUBTOTAL						**411,000**
Material Inputs						
Planting Material	head (lbs)	5000		80		400,000
Stakes	each	2000		90		180,000
Fertiliser:						
NPK 11-22-22	50 kg	5		11200		56,000
Herbicide:						
Paraquat	litre	2		1450		2,900
SUBTOTAL						**638,900**
Other Costs						
Transportation (10 percent of material)						63,890
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						6,000
Supervision (15 percent of labour and material)						157,485
SUBTOTAL						**239,375**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,289,275**

Parish	St. Andrew
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	-
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$2,500
Projected Marketable Yield (Kg)	6,275
Cost of Production $/Kg	**$43**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		2500		5,000
Land Cleaning	MD	8		2500		20,000
Forking	MD	18		2500		45,000
Planting	MD	1		2500		2,500
Weed Control	MD	4		2500		10,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	10		2500		25,000
Lunch		45		1000		45,000
SUBTOTAL						**157,500**
Material Inputs						
Planting Material	Pack (300 g)	5		3500		17,500
Fertiliser:						
NPK 14-28-14	22.7 kg	6		6350		38,100
Herbicide:						
Paraquat	litre	1		1450		1,450
Fusilade	250 ml	1		2965		2,965
Carzone	250 g	1		2100		2,100
SUBTOTAL						**62,115**
Other Costs						
Transportation (10 percent of material)						6,212
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,998
Supervision (15 percent of labour and material)						32,942
SUBTOTAL						**53,152**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**272,767**

Parish	Portland
Crop	DASHEEN
Crop Maturity	8 Months
Reaping Period	2 Months
Estimated Plant Population	7000
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,781
Cost of Production $/Kg	**$81**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Dig Holes	each	7000		10		70,000
Planting	MD	6		3000		18,000
Pesticide Application	Job	3		5000		15,000
Weed Control	MD	9		3000		27,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	18		3000		54,000
Lunch		45		500		22,500
SUBTOTAL						**242,500**
Material Inputs						
Planting Material	sucker	7000		20		140,000
Fertiliser:						
NPK 14-28-14	50 kg	4		13300		53,200
Insecticide:						
Caratrax	250 ml	4		1800		7,200
Actara	13 g	2		1300		2,600
Herbicide:						
Gai-Quat	litre	2		1400		2,800
SUBTOTAL						**205,800**
Other Costs						
Transportation (10 percent of material)						20,580
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						4,150
Supervsion (15 percent of labour and material)						67,245
SUBTOTAL						**103,975**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**552,275**

Parish	Portland
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	20000
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,478
Cost of Production $/Kg	**$80**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Dig Holes	MD	5		3000		15,000
Nursery Operations	MD	2		3000		6,000
Transplanting	MD	8		3000		24,000
Weeding & Moulding	MD	20		3000		60,000
Pesticide Application	MD	35		3000		105,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	10		3000		30,000
Lunch		93		500		46,500
SUBTOTAL						**325,500**
Material Inputs						
Planting Material	5000 seeds	4		6000		24,000
Fertiliser:						
NPK 14-28-14	50 kg	2		13300		26,600
Urea	50 kg	1		13000		13,000
Insecticide						
Selecron	250 ml	4		2200		8,800
Caprid	250 ml	4		2300		9,200
Caratrax	250 ml	4		1800		7,200
Diazinon	250 ml	2		950		1,900
Fungicide						
Ridomil Gold	500 g	2		3200		6,400
Herbicide:						
Gai-Quat	litre	3		1400		4,200
SUBTOTAL						**101,300**
Other Costs						
Transportation (10 percent of material)						10,130
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,100
Supervision (15 percent of labour and material)						64,020
SUBTOTAL						**88,250**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**515,050**

Parish	Portland
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	-
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,680
Cost of Production $/Kg	**$43**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Forking	MD	14		3000		42,000
Sowing	MD	1		3000		3,000
Pesticide Application	MD	4		3000		12,000
Weed Control	MD	8		3000		24,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	12		3000		36,000
Lunch		51		500		25,500
SUBTOTAL						**178,500**
Material Inputs						
Planting Material	lbs	3		3500		10,500
Fertiliser:						
NPK 11-22-22	50 kg	2		13250		26,500
Insecticide:						
Diazinon	litre	1		3250		3,250
Deadline	600 g	1		3300		3,300
Herbicide:						
Glyphosate	litre	1		1500		1,500
Fusilade	250 ml	2		2500		5,000
Carzone	250 g	1		2100		2,100
SUBTOTAL						**52,150**
Other Costs						
Transportation (10 percent of material)						5,215
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,665
Supervision (15 percent of labour and material)						34,598
SUBTOTAL						**53,478**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**284,128**

Parish	Portland
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	6 Months
Estimated Plant Population	10000
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Irrigation
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,933
Cost of Production $/Kg	**$163**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Dig Holes	MD	10		3000		30,000
Irrigation Installation	MD	4		3000		12,000
Transplanting	MD	5		3000		15,000
Pesticide Application	MD	24		3000		72,000
Weed Control	MD	30		3000		90,000
Fertiliser Application	MD	1		3000		3,000
Harvesting	MD	50		3000		150,000
Lunch		134		500		67,000
SUBTOTAL						**469,000**
Material Inputs						
Planting Material	seedling	10000		20		200,000
Fertiliser:						
Initiator	20 lb	6		4300		25,800
Growth	20 lb	6		3750		22,500
Flowering	20 lb	6		3750		22,500
Production	20 lb	16		3750		60,000
Insecticide						
Pegasus	250 ml	2		4150		8,300
Newmectin	litre	1		19525		19,525
Selecron	250 ml	2		2200		4,400
Cure	250 ml	2		4100		8,200
Caprid	250 ml	2		2300		4,600
Fungicide						
Amistar	50 g	4		2125		8,500
Sulcox	250 g	4		735		2,940
Revus	125 ml	4		1700		6,800
Ridomil Gold	500 g	4		3200		12,800
Herbicide:						
Paraquat	litre	1		1350		1,350
Glyphosate	litre	1		1500		1,500
SUBTOTAL						**409,715**
Other Costs						
Transportation (10 percent of material)						40,972
**Tools discounted for 5 years						72,000
Land Charges per crop cycle						5,000
Supervision (15 percent of labour and material)						131,807
SUBTOTAL						**249,779**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,128,494**

Parish	Portland
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	2 Months
Number of Hills	1000
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,984
Cost of Production $/Kg	**$160**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Prepare Planting Material	MD	2		3000		6,000
Make Mounds	MD	23		3000		69,000
Planting	MD	5		3000		15,000
Stake & Tie	MD	10		3000		30,000
Weed Control	MD	18		3000		54,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	30		3000		90,000
Lunch		100		500		50,000
SUBTOTAL						**350,000**
Material Inputs						
Planting Material	head (lbs)	3000		150		450,000
Stakes	each	1000		50		50,000
Fertiliser:						
NPK 14-28-14	50 kg	4		13300		53,200
Herbicide:						
Gai-Quat	Gallon	1		5200		5,200
SUBTOTAL						**558,400**
Other Costs						
Transportation (10 percent of material)						55,840
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						5,000
Supervision (15 percent of labour and material)						136,260
SUBTOTAL						**209,100**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,117,500**

Parish	St. Ann
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	2 Weeks
Estimated Plant Population	21780
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,263
Cost of Production $/Kg	**$148**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	MD	15		3500		52,500
Furrowing	MD	10		3500		35,000
Drop & Plant	MD	6		3500		21,000
Weeding & Moulding	MD	16		3500		56,000
Pesticide Application	MD	12		3500		42,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	18		3500		63,000
Lunch		90		1000		90,000
SUBTOTAL						**405,000**
Material Inputs						
Planting Material	seeds	20		6000		120,000
Fertiliser:						
NPK 11-22-22	50 kg	3		12800		38,400
NPK 14-28-14	50 kg	3		11400		34,200
Insecticide:						
Caratrax	250 ml	3		1900		5,700
Vertimec	100 ml	1		3700		3,700
Fungicide:						
Dithane	500 g	4		1100		4,400
Champion	500 g	4		1000		4,000
Consento	250 ml	5		3500		17,500
Ridomil Gold	500 g	3		3200		9,600
Herbicide:						
Gai-Quat	litre	2		1300		2,600
SUBTOTAL						**240,100**
Other Costs						
Transportation (10 percent of material)						24,010
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,664
Supervsion (15 percent of labour and material)						96,765
SUBTOTAL						**135,439**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**780,539**

Parish	St. Ann
Crop	HOT PEPPER
Crop Maturity	4 Months
Reaping Period	6 Months
Estimated Plant Population	5000
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,248
Cost of Production $/Kg	**$134**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	Tractor/acre	2		7000		14,000
Ploughing	Tractor/acre	1		22000		20,000
Nursery Operation	MD	5		3500		17,500
Planting	MD	5		3500		17,500
Pesticide Application	MD	18		3500		63,000
Weed Control (chemical)	MD	10		3500		35,000
Weed Control (manual)	MD	10		3500		35,000
Fertiliser Application	MD	5		3500		17,500
Harvesting	per lb	13745		15		206,175
Lunch		53		1000		53,000
SUBTOTAL						**478,675**
Material Inputs						
Planting Material	seeds (5000)	1		5000		5,000
Seed Trays	each	25		160		4,000
Potting Mix	each	1		7000		7,000
Fertiliser:						
Manure	Truckload	1		45000		45,000
NPK 15-5-35	22.7 kg	9		6200		55,800
20-20-20	25 lb	1		9000		9,000
Insecticide:						
Caprid	litre	1		9200		9,200
Newmectin	litre	1		19525		19,525
Pegasus	litre	1		15000		15,000
Cure	250 ml	1		4100		4,100
Fungicide:						
Phyton-27	500 ml	4		3700		14,800
Carbendazim	500 ml	4		2000		8,000
Herbicide:						
Glyphosate	litre	12		1500		18,000
SUBTOTAL						**214,425**
Other Costs						
Transportation (10 percent of material)						21,443
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						8,000
Supervsion (15 percent of labour and material)						103,965
SUBTOTAL						**145,408**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**838,508**

Parish	St. Ann
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	2 Month
Estimated Plant Population	43560
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,996
Cost of Production $/Kg	**$94**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Nursery Operation	MD	2		3500		7,000
Dig Holes	MD	8		3500		28,000
Transplanting	MD	10		3500		35,000
Weeding & Moulding	MD	18		3500		63,000
Pesticide Application	MD	30		3500		105,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	14		3500		49,000
Lunch		95		1000		95,000
SUBTOTAL						**427,500**
Material Inputs						
Planting Material	Pack	9		8200		73,800
Fertiliser:						
NPK 11-22-22	50 kg	6		12800		76,800
Insecticide						
Ferstrike	250 ml	8		3500		28,000
Tracer	120 ml	2		3000		6,000
Karate	250 ml	2		2300		4,600
Fungicide:						
Ridomil Gold	500 g	2		3200		6,400
Herbicide:						
Glyphosate	litre	2		1500		1,800
SUBTOTAL						**197,400**
Other Costs						
Transportation (10 percent of material)						19,740
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						93,735
SUBTOTAL						**128,835**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**753,735**

Parish	St. Ann
Crop	YELLOW YAM
Crop Maturity	8 Months
Reaping Period	2 Months
Number of Hills	1200
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,389
Cost of Production $/Kg	**$141**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Making Mounds	MD	20		3500		70,000
Prepare Planting Material	MD	2		3500		7,000
Planting	MD	3		3500		10,500
Stake & Tie	MD	20		3500		70,000
Weed Control (twice)	MD	12		3500		42,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	25		3500		87,500
Lunch		92		1000		92,000
SUBTOTAL						**414,000**
Material Inputs						
Planting Material	head (lbs)	3600		90		324,000
Stakes	each	1200		30		36,000
Fertiliser:						
NPK 11-22-22	50 kg	6		12800		76,800
Herbicide						
Gramoxone	litre	4		1100		4,400
SUBTOTAL						**441,200**
Other Costs						
Transportation (10 percent of material)						44,120
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						5,250
Supervsion (15 percent of labour and material)						128,280
SUBTOTAL						**189,650**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,044,850**

Parish	St. Catherine
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	6 Months
Estimated Plant Population	5000
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,794
Cost of Production $/Kg	**$125**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Dig Holes	MD	6		3500		21,000
Transplanting	MD	10		3500		35,000
Pesticide Application	MD	18		3500		63,000
Weed Control (twice)	MD	20		3500		70,000
Fertiliser Application	MD	5		3500		17,500
Harvesting	per lb	17146		12		205,752
Lunch		69		1000		69,000
SUBTOTAL						**516,252**
Material Inputs						
Planting Material	Seedlings	5500		25		137,500
Fertiliser:						
NPK 14-28-14	50 kg	4		11200		44,800
NPK 15-5-35	50 kg	2		11000		22,000
Ammonium Sulphate	50 kg	2		6800		13,600
Insecticide:						
Caprid	250 ml	8		2650		21,200
Pegasus	litre	1		15000		15,000
Vertimec	100 ml	2		4500		9,000
Cure	250 ml	2		4100		8,200
Fungicide						
Serenade	litre	1		4000		4,000
Consento	250 ml	2		3500		7,000
Sancozeb	500 g	4		900		3,600
Herbicide:						
Gai-Quat	litre	5		1300		6,500
SUBTOTAL						**292,400**
Other Costs						
Transportation (10 percent of material)						29,240
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						6,000
Supervsion (10 percent of labour and material)						121,298
SUBTOTAL						**168,538**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**977,190**

Parish	St. Catherine
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	3 Months
Estimated Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,680
Cost of Production $/Kg	**$57**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Ploughing	Tractor/acre	1		20000		20,000
Furrowing	Tractor/acre	1		8000		8,000
Excavating Trenches	Tractor	1		7000		7,000
Preparing Planting Material	MD	3		3500		10,500
Planting	MD	7		3500		24,500
Pesticide Application	MD	6		3500		21,000
Weed Control	MD	4		3500		14,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	12		3500		42,000
Lunch		36		1000		36,000
SUBTOTAL						**197,000**
Material Inputs						
Planting Material	slips	10890		5		54,450
Fertiliser:						
NPK 14-28-14	50 kg	3		11200		33,600
Insecticide:						
Caprid	250 ml	4		2650		10,600
Malathion	litre	1		1930		1,930
Fungicide:						
Mancozeb	500 g	4		800		3,200
Herbicide:						
Glyphosate	litre	1		1300		1,300
Fusilade	litre	1		8300		8,300
SUBTOTAL						**113,380**
Other Costs						
Transportation (10 percent of material)						11,338
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						2,520
Supervision (15 percent of labour and material)						46,557
SUBTOTAL						**72,415**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**382,795**

Parish	St. Catherine
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	1 Month
Estimated Plant Population	10000
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,591
Cost of Production $/Kg	**$115**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	MD	20		3500		70,000
Dig Holes	MD	10		3500		35,000
Planting	MD	6		3500		21,000
Pesticide Application	MD	3		3500		10,500
Weed Control	MD	6		3500		21,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	20		3500		70,000
Lunch		77		1000		77,000
SUBTOTAL						**346,500**
Material Inputs						
Planting Material	sucker	10000		30		300,000
Fertiliser:						
NPK 15-5-35	50 kg	4		11000		44,000
Insecticide:						
Caprid	litre	1		9990		9,990
Herbicide:						
Paraquat	Litre	4		1400		5,600
Glyphosate	Litre	1		1300		1,300
SUBTOTAL						**360,890**
Other Costs						
Transportation (10 percent of material)						36,089
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						10,375
Supervsion (15 percent of labour and material)						106,109
SUBTOTAL						**164,573**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**871,963**

Parish	St. Catherine
Crop	ONION
Crop Maturity	4 Months
Reaping Period	1 Month
Estimated Plant Population	-
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigation Method	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	4,858
Cost of Production $/Kg	**$215**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Ploughing	Tractor	1		20000		20,000
Harrowing	Tractor	1		10000		10,000
Furrowing	Tractor	1		10000		10,000
Raking	MD	15		3500		52,500
Stalebedding	MD	2		3500		7,000
Irrigation Installation	MD	4		3500		14,000
Sowing seeds	MD (Planter)	1		3500		3,500
Pesticide Application	MD	20		3500		70,000
Weed Control	MD	10		3500		35,000
Fertiliser Application	MD	4		3500		14,000
Harvesting	MD	30		3500		105,000
Lunch		87		1000		87,000
SUBTOTAL						**435,000**
Material Inputs						
Planting Material	lbs	4		9000		36,000
Water	monthly	5		4000		20,000
Fertiliser:						
NPK 14-28-14	50 kg	4		11200		44,800
Green Plus	50 kg	5		12000		60,000
Ammonium Sulphate	50 kg	3		6800		20,400
Mono Potassium Phosphate (M.O.P	22.7 kg	1		8250		8,250
Bio-20	litre	2		2100		4,200
Calmax B	litre	2		4200		8,400
Phortify	litre	2		2650		5,300
Bioforge	500 ml	2		4200		8,400
X-Cyte	500 ml	1		3000		3,000
Insecticide						
Caprid	250 ml	10		2650		26,500
Karate	litre	3		8150		24,450
FerStrike	250 ml	2		4600		9,200
Caratrax	250 ml	2		1200		2,400
Tracer	120 ml	2		3200		6,400
Diazinon	litre	1		3420		3,420
Engeo	250 ml	1		5000		5,000
Break-thru	litre	2		8500		17,000
Fungicide						
Sulcox	250 g	3		1200		3,600
Mancozeb	500 g	4		800		3,200
Amistar	50 g	2		2125		4,250
Carbendazim	500 ml	1		2000		2,000
Ridomil Gold	500 g	4		4015		16,060
Herbicide:						
Prowl	litre	5		3150		15,750
Pilargola	500 ml	4		3200		12,800

Glyphosate	litre	3		1400		4,200
SUBTOTAL						**374,980**
Other Costs						
Transportation (10 percent of material)						37,498
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						121,497
SUBTOTAL						**234,355**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,044,335**

Parish	St. Elizabeth
Crop	CARROT
Crop Maturity	4 Months
Reaping Period	1 Month
Estimated Plant Population	-
Topography	Relatively Flat land farm
Land Preparation	Mechanical
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,972
Cost of Production $/Kg	**$55**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Ploughing	Tractor/acre	1		10000		10,000
Harrowing	Tractor/acre	1		10000		10,000
Cut & Spread Mulch	Job	1		35000		35,000
Planting	MD	2		3500		7,000
Pesticide Application	MD	3		3500		10,500
Weed Control	MD	4		3500		14,000
Fertiliser Application	MD	1		3500		3,500
Harvesting	MD	12		3500		42,000
Lunch		24		1000		24,000
SUBTOTAL						**163,000**
Material Inputs						
Planting Material	300 g pack	5		2700		13,500
Mulch	Per Acre	1		50000		50,000
Fertiliser:						
NPK 14-28-14	50 kg	2		11200		22,400
Insecticide						
Caratrax	litre	1		3500		3,500
Fungicide						
Dithane	500 g	3		1500		4,500
Herbicide:						
Glyphosate	litre	2		1450		2,900
Carzone	250 g	1		2500		2,500
Fusilade	250 ml	1		2965		2,965
SUBTOTAL						**102,265**
Other Costs						
Transportation (10 percent of material)						10,227
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,780
Supervision (15 percent of labour and material)						39,790
SUBTOTAL						**65,796**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**331,061**

Parish	St. Elizabeth
Crop	PINEAPPLE
Crop Maturity	12 Months
Reaping Period	8 Months
Estimated Plant Population	10,000
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,680
Cost of Production $/Kg	**$207**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	MD	20		3500		70,000
Furrowing	MD	15		3500		52,500
Planting	MD	20		3500		70,000
Pesticide Application	MD	20		3500		70,000
Weed Control	MD	18		3500		63,000
Fertilizer Application	MD	6		3500		21,000
Harvesting	MD	45		3500		157,500
Lunch		154		1000		154,000
SUBTOTAL						**693,000**
Material Inputs						
Planting Material	suckers	10000		30		300,000
Fertiliser:						
NPK 16-9-18	50 Kg	5		11200		56,000
Urea	50 Kg	5		12700		63,500
Insecticide						
Diazinon	Litre	1		2900		2,900
Fungicide						
Ridomil Gold	500 g	3		3650		10,950
Herbicide:						
Diuron	Gallon	1		2250		2,250
Dual Gold	Gallon	1		6250		6,250
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**444,750**
Other Costs						
Transportation (10 percent of material)						44,475
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						15,030
Supervision (15 percent of labour and material)						170,663
SUBTOTAL						**242,168**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,379,918**

Parish	St. Elizabeth
Crop	TOMATO
Crop Maturity	3 Months
Reaping Period	1.5 Months
Estimated Plant Population	5445
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	8,463
Cost of Production $/Kg	**$115**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Dig holes	MD	8		3500		28,000
Irrigation Installation	MD	2		3500		7,000
Nursery Operation	MD	3		3500		10,500
Cut/Spread Mulch	Job	1		35000		35,000
Transplanting	MD	8		3500		28,000
Budding	MD	5		3500		17,500
Pesticide Application	MD	25		3500		87,500
Weed Control	MD	8		3500		28,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	36		3500		126,000
Lunch		108		1000		108,000
SUBTOTAL						**521,000**
Material Inputs						
Mulch	per acre	1		50000		50,000
Planting Material	1000 seeds p	6		8000		48,000
Potting Mixture	bag	2		8000		16,000
Seed Trays	each	30		250		7,500
Water	Monthly	4		7000		28,000
Fertiliser:						
NPK 11-22-22	50 kg	2		11200		22,400
NPK 15-5-35	50 kg	2		11350		22,700
Ammonium Sulphate	50 kg	1		8400		8,400
Insecticide						
Caprid	litre	1		8700		8,700
Cure	250 ml	3		3500		10,500
Fungicide						
Ridomil Gold	500 g	4		3650		14,600
Mancozeb	500 g	3		850		2,550
Herbicide:						
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**242,250**
Other Costs						
Transporation (10 percent of material)						24,225
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per crop cycle						2,940
Supervision (15 percent of labour and material)						114,488
SUBTOTAL						**213,653**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**976,903**

Parish	St. Elizabeth
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	2 Months
Estimated Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,680
Cost of Production $/Kg	**$66**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	MD	20		3500		70,000
Prepare Planting Material	MD	2		3500		7,000
Planting	MD	3		3500		10,500
Moulding	MD	8		3500		28,000
Pesticide Application	MD	4		3500		14,000
Weed Control	MD	8		3500		28,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	15		3500		52,500
Lunch		72		1000		72,000
SUBTOTAL						**324,000**
Material Inputs						
Planting Material	slips	11000		1		11,000
Fertiliser:						
NPK 14-28-14	50 kg	2		11200		22,400
Insecticide						
Caratrax	250 ml	3		1140		3,420
Fungicide						
Mancozeb	500 g	2		850		1,700
Herbicide:						
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**41,420**
Other Costs						
Transportation (10 percent of material)						4,142
**Tools discounted for 5 years						12,000
Land Charges per year						4,500
Supervision (15 percent of labour and material)						54,813
SUBTOTAL						**75,455**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**440,875**

Parish	St. Elizabeth
Crop	RED PEAS
Crop Maturity	2.5 Months
Reaping Period	1 Week
Estimated Plant Population	10890
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	506
Cost of Production $/Kg	**$927**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	MD	20		3500		70,000
Planting	MD	6		3500		21,000
Pesticide Application	MD	8		3500		28,000
Weeding & Moulding	MD	15		3500		52,500
Fertiliser Application	MD	2		3500		7,000
Reaping & Threshing	MD	15		3500		52,500
Lunch		76		1000		76,000
SUBTOTAL						**342,000**
Material Inputs						
Planting Material	Quart	32		300		9,600
Fertiliser:						
NPK 11-22-22	50 kg	2		11400		22,800
Ammonium Sulphate	50 kg	1		8400		8,400
Insectide:						
Definite	250 ml	1		1100		1,100
Caratrax	250 ml	2		1140		2,280
Fungicide:						
Dithane	500 g	3		1000		3,000
Herbicide:						
Glyphosate	litre	1		1450		1,450
SUBTOTAL						**48,630**
Other Costs						
Transportation (10 percent of material)						4,863
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,125
Supervision (15 percent of labour and material)						58,595
SUBTOTAL						**78,583**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**469,213**

Parish	ST. ELIZABETH
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Week
Estimated Plant Population	17424
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,769
Cost of Production $/Kg	**$140**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	MD	20		3500		70,000
Furrowing	MD	15		3500		52,500
Heading & Dropping	MD	4		3500		14,000
Planting	MD	4		3500		14,000
Pesticide Application	MD	10		3500		35,000
Weeding & Moulding	MD	15		3500		52,500
Fertiliser Application	MD	1		3500		3,500
Harvesting	MD	12		3500		42,000
Lunch		91		1000		91,000
SUBTOTAL						**409,500**
Material Inputs						
Planting Material	22.7 kg	20		6500		130,000
Fertiliser:						
Potato Starta	50 kg	2		10980		21,960
Potato Finisha	50 kg	5		10800		54,000
Insecticide						
Karate	250 ml	3		1750		5,250
Malathion	litre	2		2210		4,420
Caprid	litre	1		7200		
Fungicide						
Dithane	500 g	5		1000		5,000
Ridomil Gold	500 g	3		3650		10,950
Bravo	litre	2		6500		13,000
Consento	250 ml	3		3500		10,500
Herbicide:						
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**257,980**
Other Costs						
Transportation (10 percent of material)						25,798
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,664
Supervision (15 percent of labour and material)						100,122
SUBTOTAL						**140,584**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**808,064**

Parish	St. Elizabeth
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	3 Months
Estimated Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,389
Cost of Production $/Kg	**$78**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing (chemical)	MD	2		3500		7,000
Land Cleaning (chemical)	MD	8		3500		28,000
Dig Holes	MD	12		3500		42,000
Prepare Planting Material	MD	2		3500		7,000
Planting	MD	10		3500		35,000
Pesticide Application	MD	8		3500		28,000
Weed Control	MD	6		3500		21,000
Fertiliser Application	MD	1		3500		3,500
Harvesting	MD	15		3500		52,500
Lunch		64		1000		64,000
SUBTOTAL						**288,000**
Material Inputs						
Planting Material	sucker	11000		10		110,000
Fertiliser:						
NPK 14-28-14	50 kg	3		11200		33,600
Insecticide:						
Karate	litre	2		8300		16,600
Malathion	250 ml	3		730		2,190
Fungicide:						
Ridomil Gold	500 g	2		3650		7,300
Herbicide:						
Paraquat	litre	4		1400		5,600
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**178,190**
Other Costs						
Transportation (10 percent of material)						17,819
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						7,100
Supervsion (15 percent of labour and material)						69,929
SUBTOTAL						**106,848**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**573,038**

Parish	St. Elizabeth
Crop	ESCALLION
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	43560
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	4,049
Cost of Production $/Kg	**$261**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Cut/Spread Mulch	MD	4		3500		14,000
Irrigation Installation	MD	4		3500		14,000
Planting	MD	10		3500		35,000
Pesticide Application	MD	24		3500		84,000
Weed Control	MD	6		3500		21,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	15		3500		52,500
Lunch		76		1000		76,000
SUBTOTAL						**342,000**
Material Inputs						
Planting Material	lb	5000		50		250,000
Mulch	Per Square	10		7500		75,000
Water	Monthly	3		14000		42,000
Fertiliser:						
NPK 15-5-35	50 kg	2		11350		22,700
NPK 11-22-22	50 kg	2		11400		22,800
Insecticide						
FerStrike	250 ml	3		4000		12,000
Selecron	litre	2		6400		12,800
Caprid	litre	1		8700		8,700
Karate	litre	1		8300		8,300
Fungicide						
Mancozeb	500 g	2		850		1,700
Trivia	500 g	2		3200		6,400
Ridomil Gold	500 g	2		3650		7,300
Herbicide:						
Gai-Quat	litre	2		1100		2,200
SUBTOTAL						**471,900**
Other Costs						
Transportation (10 percent of material)						47,190
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per year						1,998
Supervision (15 percent of labour and material)						122,085
SUBTOTAL						**243,273**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,057,173**

Parish	St. James
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	21780
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,478
Cost of Production $/Kg	**$92**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Furrowing	MD	8		3500		28,000
Excavating Trenches	MD	5		3500		17,500
Maintaining Trenches	MD	2		3500		7,000
Nursery Operation	MD	3		3500		10,500
Transplanting	MD	5		3500		17,500
Pesticide Application	MD	20		3500		70,000
Weed Control	MD	12		3500		42,000
Fertiliser Application	MD	4		3500		14,000
Harvesting	MD	10		3500		35,000
Lunch		77		1000		77,000
SUBTOTAL						**346,500**
Material Inputs						
Planting Material (Tropicana)	seed	4		5600		22,400
Potting Mixture	bag	2		7000		14,000
Seed Trays	each	110		270		29,700
Fertiliser:						
NPK 14-28-14	50 kg	3		12000		36,000
Urea	50 kg	1		12570		12,570
Insecticide						
Tracer	120 ml	3		3250		9,750
Match	250 ml	3		2250		6,750
Karate	250 ml	2		1300		2,600
Pegasus	250 ml	2		4000		8,000
Fungicide						
Dithane	500 g	2		900		1,800
Herbicide:						
Glyphosate	Litre	2		1400		2,800
SUBTOTAL						**146,370**
Other Costs						
Transportation (10 percent of material)						14,637
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,665
Supervision (15 percent of labour and material)						73,931
SUBTOTAL						**102,233**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**595,103**

Parish	St. James
Crop	DASHEEN
Crop Maturity	7 Months
Reaping Period	2 Months
Estimated Plant Population	10890
Topography	Relative Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,287
Cost of Production $/Kg	**$109**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Dig Holes	Job/acre	1		100000		100,000
Planting	MD	5		3500		17,500
Weed Control	MD	6		3500		21,000
Pesticide Application	MD	6		3500		21,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	20		3500		70,000
Lunch		47		1000		47,000
SUBTOTAL						**311,500**
Material Inputs						
Planting Material	Suckers	11000		25		275,000
Fertiliser:						
NPK 14-28-14	50 kg	4		12000		48,000
Insecticide						
Caprid	250 ml	2		3125		6,250
Caratrax	250 ml	2		1200		2,400
Herbicide:						
Glyphosate	Gallon	1		5600		5,600
SUBTOTAL						**337,250**
Other Costs						
Transportation (10 percent material)						33,725
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,750
Supervision (15 percent of labour and material)						97,313
SUBTOTAL						**146,788**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**795,538**

Parish	St. James
Crop	PINEAPPLE
Crop Maturity	12 Months
Reaping Period	4 Months
Estimated Plant Population	5445
Topography	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,895
Cost of Production $/Kg	**$92**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Dig Holes	MD	8		3500		28,000
Maintaining Threnches	MD	4		3500		14,000
Planting	MD	10		3500		35,000
Pesticide Application	MD	2		3500		7,000
Weed Control	MD	15		3500		52,500
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	20		3500		70,000
Lunch		70		1000		70,000
SUBTOTAL						**315,000**
Material Inputs						
Planting Material	Suckers	5500		25		137,500
Fertiliser:						
NPK 15-5-35	50kg	6		11500		69,000
Urea	50kg	4		12570		50,280
Insecticide						
Karate	250ml	2		1750		3,500
Diazinon	Litre	1		3400		3,400
Fungicide						
Dithane	500 g	1		1441		1,441
Herbicide:						
Diuron	litre	2		2500		5,000
Velzone	litre	1		3100		3,100
Glyphosate	litre	1		1400		1,400
SUBTOTAL						**274,621**
Other Costs						
Transportation (10 percent of material)						27,462
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						12,500
Supervision (15 percent of labour and material)						88,443
SUBTOTAL						**140,405**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**730,026**

Parish	St. James
Crop	SWEET YAM
Crop Maturity	9 Months
Reaping Period	8 Months
Estimated Plant Population	1000
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,073
Cost of Production $/Kg	**$264**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Dig Holes	each	1000		40		40,000
Excavating Trenches	MD	4		3500		14,000
Preparing Planting Material	MD	2		3500		7,000
Drop & Plant	MD	6		3500		21,000
Stake & tie	MD	12		3500		42,000
Pesticide Application	MD	24		3500		84,000
Weed Control	MD	20		3500		70,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	15		3500		52,500
Lunch		93		1000		93,000
SUBTOTAL						**458,500**
Material Inputs						
Planting Material	heads/lbs	5000		130		650,000
Stakes (including transportation to fi	each	1000		90		90,000
Fertiliser:						
NPK 11-22-22	50 kg	4		11000		44,000
Ammonium Sulphate	50 kg	2		8400		16,800
Fungicide						
Topsin	250 g	6		2100		12,600
Antrical	750 g	4		2210		8,840
Silvacur	250 ml	4		3420		13,680
Herbicide:						
Paraquat	litre	3		1400		4,200
SUBTOTAL						**840,120**
Other Costs						
Transportation (10 percent of material)						84,012
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						11,360
Supervision (15 percent of labour and material)						194,793
SUBTOTAL						**302,165**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,600,785**

Parish	St. James
Crop	HOT PEPPER
Crop Maturity	4 Months
Reaping Period	6 Months
Estimated Plant Population	7260
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigation Method	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,972
Cost of Production $/Kg	**$176**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Ploughing	Tractor	1		15000		15,000
Furrowing	Tractor	1		10000		10,000
Irrigation Installation	MD	4		3500		14,000
Planting	MD	8		3500		28,000
Pesticide Application	MD	24		3500		84,000
Weed Control	MD	12		3500		42,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	per lb	13138		12		157,656
Lunch		59		1000		59,000
SUBTOTAL						**448,156**
Material Inputs						
Planting Material	seedlings	7260		25		181,500
Water	monthly	8		5000		40,000
Fertiliser:						
NPK 11-22-22	50 kg	3		11000		33,000
NPK 15-5-35	50 kg	3		11500		34,500
Ammonium Sulphate	50 kg	1		8400		8,400
Insecticide						
Caprid	Litre	1		7000		7,000
Caratrax	Litre	1		3400		3,400
Cure	250 ml	3		4100		12,300
Pegasus	litre	1		15000		15,000
Indo-X	250 ml	1		2100		2,100
Fungicide:						
Dithane	500 g	2		900		1,800
Ridomil Gold	500 g	2		3200		6,400
Sulcox	500 g	2		2200		4,400
Herbicide:						
Paraquat	Litre	5		1400		7,000
Glyphosate	Gallon	1		5600		5,600
SUBTOTAL						**362,400**
Other Costs						
**Tools discounted for 5 years						72,000
Transportation (10 per cent of material)						36,240
Land Charges per crop cycle						8,100
Supervision (15 percent of labour and material)						121,583
SUBTOTAL						**237,923**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,048,479**

Parish	St. Mary
Crop	HOT PEPPER
Crop Maturity	4 Months
Reaping Period	6 Months
Estimated Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigation Method	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,389
Cost of Production $/Kg	**$201**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Ploughing	Tractor	1		20000		20,000
Furrowing	Tractor	1		10000		10,000
Irrigation Installation	MD	3		3500		10,500
Planting	MD	12		3500		42,000
Pesticide Application	MD	24		3500		84,000
Weed Control	MD	8		3500		28,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	60		3500		210,000
Lunch		120		1000		120,000
SUBTOTAL						**570,000**
Material Inputs						
Planting Material	seedling	10890		25		272,250
Mulch	roll	3		28000		84,000
Water	monthly	6		5000		30,000
Fertiliser:						
NPK 14-28-14	50 kg	5		11800		59,000
NPK 15-5-35	50 kg	5		11500		57,500
Urea	50 kg	2		13500		27,000
Insecticide:						
Cure	250 ml	5		3600		18,000
Vertimec	100 ml	2		4430		8,860
Pegasus	litre	1		15000		15,000
Selecron	250 ml	2		2500		5,000
Fungicide:						
Bellis	litre	2		6600		13,200
Trivia	50 g	1		4500		4,500
Herbicide:						
Gai-Quat	litre	2		1400		2,800
Paraquat	litre	2		1300		2,600
SUBTOTAL						**599,710**
Other Costs						
Transportation (10 percent of material)						59,971
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per crop cycle						5,000
Supervision (15 percent of labour and material)						175,457
SUBTOTAL						**312,428**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,482,138**

Parish	St. Mary
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	14520
Topography	Relatively Flat Land
Land Preparation	Mechanical
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	3,441
Cost of Production $/Kg	**$279**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	Tractor	2		8000		16,000
Ploughing	Tractor	1		25000		25,000
Furrowing	Tractor	1		20000		20,000
Trenching	MD	1		3500		3,500
Preparing Planting Material	MD	2		3500		7,000
Planting	MD	7		3500		24,500
Moulding	MD	12		3500		42,000
Pesticide Application	MD	16		3500		56,000
Fertiliser Application	MD	4		3500		14,000
Weed Control	MD	2		3500		7,000
Harvesting	MD	26		3500		91,000
Lunch		70		1000		70,000
SUBTOTAL						**376,000**
Material Inputs						
Planting Material	22.7 kg	25		6500		162,500
Fertiliser:						
NPK 14-28-14	22.7 kg	25		6560		164,000
Insecticide						
Selecron	250 ml	2		2500		5,000
Caratrax	250 ml	2		2000		4,000
Diazinon	250 ml	2		1000		2,000
Caprid	250 ml	2		2800		5,600
Nissorun	500 g	1		1750		1,750
Fungicide						
Carbaryl	lb	2		2500		5,000
Ridomil Gold	500 g	4		3200		12,800
Mancozeb	500 g	2		900		1,800
Diligent	500 g	4		3750		15,000
Bravo	litre	2		6000		12,000
Consento	250 ml	2		3000		6,000
Herbicide:						
Glyphosate	litre	4		1400		5,600
Carzone	250 g	1		2500		2,500
SUBTOTAL						**405,550**
Other Costs						
Transportation (10 percent of material)						40,555
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						10,000
Supervision (15 percent of labour and material)						117,233
SUBTOTAL						**179,788**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**961,338**

Parish	St. Mary
Crop	TOMATO
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	7260
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,893
Cost of Production $/Kg	**$145**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Furrowing	MD	5		3500		17,500
Dig Holes	MD	5		3500		17,500
Maintaining Trenches	MD	4		3500		14,000
Transplanting	MD	8		3500		28,000
Stake and tie	MD	10		3500		35,000
Pesticide Application	MD	24		3500		84,000
Weed Control	MD	12		3500		42,000
Fertiliser Application	MD	4		3500		14,000
Harvesting	MD	20		3500		70,000
Lunch		102		1000		102,000
SUBTOTAL						**459,000**
Material Inputs						
Planting Material	seedlings	7260		25		181,500
Cord	rolls	10		900		9,000
Stakes	each	2500		20		50,000
Fertiliser:						
NPK 14-28-14	50 kg	3		11800		35,400
NPK 15-5-35	50 kg	3		11500		34,500
Ammonium Sulphate	50 kg	1		8400		8,400
Insecticide						
Spreader Sticker (adjuvant)	250 ml	1		800		800
Caratrax	250 ml	4		2000		8,000
Newmectin	Litre	1		19500		19,500
Fungicide						
Consento	250 ml	2		3000		6,000
Ridomil Gold	500 g	3		3200		9,600
Herbicide:						
Glyphosate	litre	1		1400		1,400
Gai-Quat	litre	1		1400		1,400
SUBTOTAL						**365,500**
Other Costs						
Transportation (10 percent of material)						36,550
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,100
Supervision (15 percent of labour and material)						123,675
SUBTOTAL						**174,325**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**998,825**

Parish	St. Mary
Crop	PLANTAIN
Crop Maturity	9 Months
Reaping Period	1 Year
Estimated Plant Population	778
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	8,300
Cost of Production $/Kg	**$82**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Line & peg	MD	2		3500		7,000
Preparing planting material	MD	4		3500		14,000
Head & drop plants	MD	3		3500		10,500
Dig holes, treat & plant	MD	778		50		38,900
Pesticide Application	MD	6		3500		21,000
Weed Control & Pruning	MD	32		3500		112,000
Fertiliser Application	MD	4		3500		14,000
Harvesting	MD	22		3500		77,000
Lunch		83		1000		83,000
SUBTOTAL						**412,400**
Material Inputs						
Planting Material	suckers	778		50		38,900
Stakes	each	778		10		7,780
Cord	rolls	7		380		2,660
Fertiliser:						
NPK 15-5-35	50 kg	4		11500		46,000
Urea	50 kg	2		13500		27,000
Insecticide:						
Actara	13 g	12		1200		14,400
Mocap	500 g	2		1200		2,400
Fungicide:						
Topsin	500 g	2		2800		5,600
Herbicide:						
Glyphosate	Litre	5		1400		7,000
SUBTOTAL						**151,740**
Other Costs						
Transportation (10 percent of material)						15,174
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						8,000
Supervsion (15 percent of labour and material)						84,621
SUBTOTAL						**119,795**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**683,935**

Parish	St. Thomas
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	21780
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,972
Cost of Production $/Kg	**$88**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Dig Holes	MD	3		3500		10,500
Nursery Operation	MD	3		3500		10,500
Transplanting	MD	6		3500		21,000
Weeding & Moulding	MD	12		3500		42,000
Pesticide Application	MD	20		3500		70,000
Fertiliser Application	MD	4		3500		14,000
Harvesting	MD	10		3500		35,000
Lunch		68		1000		68,000
SUBTOTAL						**306,000**
Material Inputs						
Planting Material	Pack	2		10000		20,000
Fertiliser:						
NPK 11-22-22	50 kg	3		13000		39,000
Ammonium Sulphate	50 kg	2		8400		16,800
Insecticide						
Diazinon	litre	3		3200		9,600
Karate	litre	2		8300		16,600
Caprid	250 ml	2		2700		5,400
Indox	litre	2		2100		4,200
Pegasus	250 ml	2		4000		8,000
Caratrax	litre	1		3350		3,350
Herbicide:						
Glyphosate	litre	2		1500		3,000
SUBTOTAL						**125,950**
Other Costs						
Transportation (10 percent of material)						12,595
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						64,793
SUBTOTAL						**92,748**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**524,698**

Parish	St. Thomas
Crop	ONION
Crop Maturity	4 Months
Reaping Period	1 Month
Estimated Plant Population	87120
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigation Method	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,794
Cost of Production $/Kg	**$140**

Labour Operations	**Unit**	**No. of Units**	**Cost/Unit**	**Total Cost**
Land Clearing	MD	2	3500	7,000
Land Cleaning	MD	8	3500	28,000
Harrowing	Tractor	1	15000	15,000
Furrowing	Tractor	1	15000	15,000
Raking	MD	12	3500	42,000
Stale Bedding	Job	2	3500	7,000
Irrigation Installation	MD	3	3500	10,500
Planting	per lb	4	3500	14,000
Pesticide Application	MD	10	3500	35,000
Weed Control	MD	15	3500	52,500
Fertiliser Application	MD	4	3500	14,000
Harvesting	MD	25	3500	87,500
Lunch		84	1000	84,000
SUBTOTAL				**411,500**
Material Inputs				
Planting Material	lb	6	13000	78,000
Packing bags	each	200	100	20,000
Water	monthly	4	10000	40,000
Fertiliser:				
NPK 11-22-22	50 kg	3	13000	39,000
NPK 15-5-35	50 kg	3	11500	34,500
Ammonium Sulphate	50 kg	3	8400	25,200
Muriate of Potash (M.O.P.)	25 Kg	4	7000	28,000
Calmax B	litre	1	4500	4,500
Phortify	litre	2	2200	4,400
Bio-20	litre	2	2000	4,000
Saeta	500 g	1	2500	2,500
Evergreen	500 ml	1	1850	1,850
Insecticide				
Caprid	litre	1	7400	7,400
Selecron	litre	1	6400	6,400
Tracer	120 ml	2	3200	6,400
FerStrike	250 ml	1	4000	4,000
Match	100 ml	2	3300	6,600
Caratrax	250 ml	2	1950	3,900
Fungicide				
Xstrata Gold	250 ml	4	3700	14,800
Topsin	500 g	1	2800	1,650
Ridomil Gold	500 g	1	2800	4,500
This	500 ml	3	1050	3,150
Herbicide:				
Fusilade	litre	1	7900	7,900
Dacthal	litre	5	16500	82,500
Prowl	litre	1	1700	1,700
Glyphosate	litre	2	1500	3,000

SUBTOTAL						435,850
Other Costs						
Transportation (10 percent of material)						43,585
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						127,103
SUBTOTAL						246,048
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						1,093,398

Parish	St. Thomas
Crop	HOT PEPPER
Crop Maturity	3 Months
Reaping Period	6 Months
Estimated Plant Population	7260
Topography	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigation Method	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,073
Cost of Production $/Kg	**$185**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing (Chemical)	MD	2		3500		7,000
Ploughing	Tractor	1		15000		15,000
Harrowing	Tractor	1		15000		15,000
Furrowing	Tractor	1		15000		15,000
Irrigation Installation	MD	3		3500		10,500
Transplanting	MD	8		3500		28,000
Pesticide Application	MD	24		3500		84,000
Weed Control	MD	8		3500		28,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	40		3500		140,000
Lunch		86		1000		86,000
SUBTOTAL						435,500
Material Inputs						
Planting Material	seedling	7260		30		217,800
Water	monthly	8		5000		40,000
Fertiliser:						
Mono Ammonium Phosphate (M.A.P)	22.7 kg	6		8000		48,000
Urea	22.7 kg	3		6000		18,000
Nitrosol	22.7 kg	3		4000		12,000
Insecticide						
Caprid	litre	3		7400		22,200
Caratrax	litre	2		3350		6,700
Selecron	250 ml	2		2300		4,600
Newmectin	litre	1		19500		19,500
Karate	500 ml	2		8300		16,600
Fungicide						
Ridomil Gold	500 g	2		2800		5,600
Sulcox	500 g	2		1700		3,400
Zampro	litre	1		15000		15,000
Herbicide:						

Paraquat	litre	4		1550		6,200
SUBTOTAL						**435,600**
Other Costs						
Transportation (10 percent of material)						43,560
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per crop cycle						8,000
Supervision (15 percent of labour and material)						130,665
SUBTOTAL						**254,225**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,125,325**

Parish	St. Thomas
Crop	CARROT
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcast
Estimated Plant Population	-
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,668
Cost of Production $/Kg	**$51**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	MD	10		3500		35,000
Planting	MD	2		3500		7,000
Pesticide Application	MD	2		3500		7,000
Weed Control	MD	6		3500		21,000
Fertiliser Application	MD	1		3500		3,500
Harvesting	MD	10		3500		35,000
Lunch		41		1000		41,000
SUBTOTAL						**184,500**
Material Inputs						
Planting Material	300g pack	5		2700		13,500
Fertiliser:						
NPK 15-5-35	50 kg	2		11500		23,000
Insecticide:						
Caratrax	250 ml	2		1950		3,900
Herbicide:						
Glyphosate	litre	1		1500		1,500
Fusilade	250 ml	2		2500		5,000
Carzone	250 g	1		2100		2,100
SUBTOTAL						**49,000**
Other Costs						
Transportation (10 percent of material)						4,900
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,000
Supervision (15 percent of labour and material)						35,025
SUBTOTAL						**53,925**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**287,425**

Parish	St. Thomas
Crop	DASHEEN
Crop Maturity	7 Months
Reaping Period	2 Months
Estimated Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,275
Cost of Production $/Kg	**$89**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Dig Holes	MD	12		3500		42,000
Prepare Planting Material	MD	2		3500		7,000
Planting	MD	8		3500		28,000
Pesticide Application	MD	8		3500		28,000
Weed Control	MD	6		3500		21,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	16		3500		56,000
Lunch		64		1000		64,000
SUBTOTAL						**288,000**
Material Inputs						
Planting Material	sucker	11000		10		110,000
Fertiliser:						
NPK 14-28-14	50 kg	3		13650		40,950
Insecticide:						
Caratrax	litre	1		3350		3,350
Malathion	litre	1		2212		2,212
Herbicide:						
Glyphosate	litre	2		1500		3,000
Paraquat	litre	6		1550		9,300
SUBTOTAL						**168,812**
Other Costs						
Transportation (10 percent of material)						16,881
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						4,600
Supervsion (15 percent of labour and material)						68,522
SUBTOTAL						**102,003**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**558,815**

Parish	Trelawny
Crop	GINGER
Crop Maturity	9 Months
Reaping Period	2 Months
Estimated Plant Population	77786
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,680
Cost of Production $/Kg	**$189**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Forking	MD	20		3500		70,000
Excavating Trenches	MD	10		3500		35,000
Heading ginger	MD	1		3500		3,500
Planting	MD	15		3500		52,500
Fertiliser Application	MD	2		3500		7,000
Weed Control	MD	20		3500		70,000
Harvesting	MD	30		3500		105,000
Lunch		106		1000		106,000
SUBTOTAL						**477,000**
Material Inputs						
Planting Material	lb	2500		200		500,000
Fertiliser						
NPK 11-22-22	50 kg	5		11300		56,500
Herbicide:						
Glyphosate	litre	2		1400		2,800
SUBTOTAL						**559,300**
Other Costs						
Transportation (10 percent of material)						55,930
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,750
Supervision (15 percent of labour and material)						155,445
SUBTOTAL						**227,125**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,263,425**

Parish	Trelawny
Crop	SWEET YAM
Crop Maturity	9 Months
Reaping Period	8 Months
Estimated Plant Population	1200
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,287
Cost of Production $/Kg	**$209**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Dig Holes	each	1200		40		48,000
Excavating Trenches	MD	6		3500		21,000
Preparing Planting Material	MD	2		3500		7,000
Head & drop plant	MD	2		3500		7,000
Planting	MD	3		3500		10,500
Transport stakes	each	1200		25		30,000
Stake & Tie	each	1200		25		30,000
Pesticide Application	MD	24		3500		84,000
Weed Control (Chemical)	MD	2		3500		7,000
Weed Control (Manual)	each	1200		20		24,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	15		3500		52,500
Lunch		64		1000		64,000
SUBTOTAL						**420,000**
Material Inputs						
Planting Material	heads/lbs	4800		125		600,000
Stakes (including transportation to field	each	1200		100		120,000
Fertiliser:						
NPK 14-28-14	50 kg	4		12000		48,000
Fungicide						
Topsin	250 g	6		1650		9,900
Silvacur	250 ml	9		3500		31,500
Herbicide:						
Paraquat	Gallon	1		4250		4,250
SUBTOTAL						**813,650**
Other Costs						
Transportation (10 percent of material)						81,365
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						11,360
Supervision (15 percent of labour and material)						185,048
SUBTOTAL						**289,773**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,523,423**

Parish	Trelawny
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Estimated Plant Population	43560
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,162
Cost of Production $/Kg	**$170**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Forking	MD	20		3500		70,000
Drilling	MD	15		3500		52,500
Excavating Trenches	MD	6		3500		21,000
Heading seeds	MD	1		3500		3,500
Planting	MD	8		3500		28,000
Weeding & Moulding	MD	20		3500		70,000
Pesticide Application	MD	12		3500		42,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	15		3500		52,500
Lunch		108		1000		108,000
SUBTOTAL						**486,000**
Material Inputs						
Planting Material	22.7Kg	18		5500		99,000
Fertiliser:						
NPK 14-28-14	50 kg	9		12000		108,000
Insecticide						
Caratrax	litre	2		3320		6,640
Caprid	litre	1		7200		7,200
Fungicide						
Dithane	500 g	10		920		9,200
Ridomil Gold	500 g	3		3200		9,600
Herbicide:						
Glyphosate	litre	2		1400		2,800
SUBTOTAL						**242,440**
Other Costs						
Transportation (10 percent of material)						24,244
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,664
Supervision (15 percent of labour and material)						109,266
SUBTOTAL						**148,174**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**876,614**

Parish	Trelawny
Crop	SWEET POTATO
Crop Maturity	5 Months
Reaping Period	2 Month
Estimated Plant Population	11616
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,579
Cost of Production $/Kg	**$73**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Forking	MD	20		3500		70,000
Preparing Planting Material	MD	2		3500		7,000
Planting	MD	6		3500		21,000
Pesticide Application	MD	4		3500		14,000
Weed Control	MD	10		3500		35,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	15		3500		52,500
Lunch		67		1000		67,000
SUBTOTAL						**301,500**
Material Inputs						
Planting Material	slips	15000		2		30,000
Fertiliser:						
NPK 16-9-18	50 kg	4		12000		48,000
Insecticide:						
Karate	250 ml	4		1750		7,000
Herbicide:						
Gai-Quat	gallon	1		5200		5,200
Glysophate	litre	2		1400		2,800
SUBTOTAL						**93,000**
Other Costs						
Transportation (10 percent of material)						9,300
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						4,000
Supervision (15 percent of labour and material)						59,175
SUBTOTAL						**84,475**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**478,975**

Parish	Trelawny
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	4 Months
Number of Hills	1600
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,287
Cost of Production $/Kg	**$160**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Dig Holes	each	1600		40		64,000
Excavating Trenches	MD	6		3500		21,000
Prepare Planting Material	MD	2		3500		7,000
Head & drop plants	MD	2		3500		7,000
Planting	MD	3		3500		10,500
Transport stakes	each	1600		25		40,000
Stake & Tie	each	1600		25		40,000
Weed Control (Chemical)	MD	2		3500		7,000
Weed Control (Manual)	each	1600		20		32,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	25		3500		87,500
Lunch		50		1000		50,000
SUBTOTAL						**401,000**
Material Inputs						
Planting Material	head (lbs)	5120		50		256,000
Stakes	each	1600		100		160,000
Fertiliser:						
NPK 14-28-14	50 kg	6		12000		72,000
NPK 15-5-35	50 kg	4		12750		51,000
Herbicide						
Glyphosate	litre	2		1400		2,800
Paraquat	litre	2		1300		2,600
SUBTOTAL						**544,400**
Other Costs						
Transportation (10 percent of material)						54,440
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						10,800
Supervision (15 percent of labour and material)						141,810
SUBTOTAL						**219,050**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,164,450**

Parish	Trelawny
Crop	PLANTAIN
Crop Maturity	9 Months
Reaping Period	1 Year
Estimated Plant Population	1210
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,895
Cost of Production $/Kg	**$95**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	6		3500		21,000
Line & peg	MD	2		3500		7,000
Prepare & treat planting material	MD	4		3500		14,000
Head & Drop Plants	MD	2		3500		7,000
Dig holes	each	778		35		27,230
Planting	MD	6		3500		21,000
Pesticide Application	MD	12		3500		42,000
Weed Control	MD	16		3500		56,000
Pruning	MD	24		3500		84,000
Fertiliser Application	MD	6		3500		21,000
Harvesting	MD	18		3500		63,000
Lunch		98		1000		98,000
SUBTOTAL						**468,230**
Material Inputs						
Planting Material	Suckers	778		50		38,900
Stakes	each	778		10		7,780
Cord	rolls	7		380		2,660
Fertiliser:						
NPK 15-5-35	50 kg	4		12750		51,000
Urea	50 kg	2		12500		25,000
Insecticide:						
Mocap	500 g	5		1200		6,000
Actara	13 g	9		1200		10,800
Fungicide						
Topsin	500 g	2		2990		5,980
Herbicide:						
Glyphosate	litre	6		1400		8,400
SUBTOTAL						**156,520**
Other Costs						
Transportation (10 percent of material)						15,652
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						7,360
Supervsion (15 percent of labour and material)						93,713
SUBTOTAL						**128,725**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**753,475**

Parish	Westmoreland
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	4 Months
Estimated Plant Population	10890
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,794
Cost of Production $/Kg	**$108**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Dig Holes	MD	15		3500		52,500
Planting	MD	4		3500		14,000
Weed Control	MD	15		3500		52,500
Pesticide Application	MD	4		3500		14,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	20		3500		70,000
Lunch		70		1000		70,000
SUBTOTAL						**315,000**
Material Inputs						
Planting Material	sucker	11000		25		275,000
Fertiliser:						
NPK 14-28-14	50 kg	4		13000		52,000
Ammonium Sulphate	50 kg	3		8450		25,350
Insecticide:						
Engeo	250 ml	4		3500		14,000
Herbicide:						
Paraquat	litre	3		1500		4,500
Glyphosate	litre	1		1400		1,400
SUBTOTAL						**372,250**
Other Costs						
Transportation (10 percent of material)						37,225
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						4,600
Supervsion (15 percent of labour and material)						103,088
SUBTOTAL						**156,913**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**844,163**

Parish	Westmoreland
Crop	PINEAPPLE
Crop Maturity	12 Months
Reaping Period	36 Months
Estimated Plant Population	5445
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	7,692
Cost of Production $/Kg	**$111**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Furrowing	Job/acre	1		100000		100,000
Maintaining Trenches	MD	2		3500		7,000
Planting	MD	10		3500		35,000
Weed Control	MD	12		3500		42,000
Pesticide Application	MD	4		3500		14,000
Fertiliser Application	MD	4		3500		14,000
Harvesting	MD	30		3500		105,000
Lunch		72		1000		72,000
SUBTOTAL						**424,000**
Material Inputs						
Planting Material	Suckers	5500		30		165,000
Fertiliser:						
NPK 16-9-18	50 kg	6		10350		62,100
Insecticide						
Mocap	500 g	6		1200		7,200
Caprid	litre	2		7200		14,400
Herbicide:						
Diuron	litre	6		2500		15,000
Glyphosate	litre	1		1400		1,400
SUBTOTAL						**265,100**
Other Costs						
Transportation (10 percent of material)						26,510
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						20,000
Supervision (15 percent of labour and material)						103,365
SUBTOTAL						**161,875**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**850,975**

Parish	WESTMORELAND
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	2 Week
Estimated Plant Population	21780
Topography	Relatively Flat Land Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	5,466
Cost of Production $/Kg	**$148**

Labour Operations	Unit	No. of Units		Cost/Unit		Total Cost
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	Job	1		45000		45,000
Furrowing	Job	1		30000		30,000
Preparing Planting Material	MD	2		3500		7,000
Planting	MD	8		3500		28,000
Weeding & Moulding	MD	20		3500		70,000
Pesticide Application	MD	10		3500		35,000
Fertiliser Application	MD	3		3500		10,500
Harvesting	MD	15		3500		52,500
Lunch		68		1000		68,000
SUBTOTAL						**381,000**
Material Inputs						
Planting Material	22.7Kg	20		6500		130,000
Fertiliser:						
NPK 11-22-22	50 kg	5		12750		63,750
NPK 14-28-14	50 kg	5		13000		65,000
Insecticide						
Caratrax	500 ml	2		4450		8,900
Diazinon	250 ml	4		1000		4,000
Fungicide						
Dithane	500 g	6		920		5,520
Dacomax	500 ml	4		1600		6,400
Herbicide:						
Glyphosate	litre	2		1400		2,800
SUBTOTAL						**286,370**
Other Costs						
Transportation (10 percent of material)						28,637
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,330
Supervision (15 percent of labour and material)						100,106
SUBTOTAL						**144,073**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**811,443**

Parish	Westmoreland
Crop	SWEET POTATO
Crop Maturity	3 Months
Reaping Period	3 Months
Estimated Plant Population	21780
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,500
Projected Marketable Yield (Kg)	6,781
Cost of Production $/Kg	**$73**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3500		7,000
Land Cleaning	MD	8		3500		28,000
Forking	MD	18		3500		63,000
Maintain Trenches	MD	2		3500		7,000
Preparing Planting Material	MD	2		3500		7,000
Planting	MD	9		3500		31,500
Pesticide Application	MD	4		3500		14,000
Weed Control	MD	8		3500		28,000
Fertiliser Application	MD	2		3500		7,000
Harvesting	MD	16		3500		56,000
Lunch		71		1000		71,000
SUBTOTAL						**319,500**
Material Inputs						
Planting Material	Truckload	1		15000		15,000
Fertiliser:						
NPK 11-22-22	50 kg	4		12750		51,000
Insecticide						
Caprid	litre	1		7200		7,200
Caratrax	500 ml	2		4450		8,900
Herbicide:						
Gai-Quat	litre	1		1400		1,400
Fusilade	litre	1		8290		8,290
SUBTOTAL						**91,790**
Other Costs						
Transportation (10 percent of material)						9,179
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,998
Supervision (15 percent of labour and material)						61,694
SUBTOTAL						**84,871**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**496,161**