Cost of Production Estimates 2022

PLEASE NOTE:

All COP estimates are stated per kilogram (kg).

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

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

Planting distance stated in both centimetres and inches.

Parish	Clarendon
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	3 Months
Number of Hills	1000
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$2,500
Projected Marketable Yield (Kg)	7,794
Cost of Production $/Kg	**$128**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		2500		25,000
Open Mounds	MD	10		2500		25,000
Excavating Trenches	Per Square	10		3500		35,000
Prepare Planting Material	MD	2		2500		5,000
Close Mounds	MD	10		2500		25,000
Planting	MD	5		2500		12,500
Stake and tie	MD	6		2500		15,000
Weed Control (twice)	MD	20		2500		50,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	30		2500		75,000
Lunch		95		500		47,500
SUBTOTAL						**320,000**
Material Inputs						
Planting Material	Heads (lbs)	3000		120		360,000
Stakes	each	1000		60		60,000
Fertiliser:						
NPK 14-28-14	50 kg	3		11400		34,200
Ammonium Sulphate	50 kg	2		8450		16,900
Herbicide:						
Glyphosate	Gallon	2		6000		12,000
SUBTOTAL						**483,100**
Other Costs						
**Tools discounted for 5 years						12000
Transportation (10 per cent of material)						48310
Land Charges per crop cycle						12500
Supervsion (15 percent of labour and material)						120465
SUBTOTAL						**193,275**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**996,375**

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)	$2,500
Projected Marketable Yield (Kg)	6,343
Cost of Production $/Kg	**$287**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		2500		25,000
Open Mounds	MD	10		2500		25,000
Excavating Trenches	Per Square	10		3500		35,000
Close Mounds	MD	10		2500		25,000
Planting	MD	6		2500		15,000
Stake & Tie	MD	8		2500		20,000
Pesticide Application	MD	7		2500		17,500
Weed Control (twice)	MD	20		2500		50,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	20		2500		50,000
Lunch		93		500		46,500
SUBTOTAL						**314,000**
Material Inputs						
Planting Material	head (lbs)	6000		180		1,080,000
Fertiliser:						
NPK 14-28-14	50 kg	4		11400		45,600
Fungicide						
Silvacur	250 ml	2		3600		7,200
Topsin	500 g	2		2800		5,600
Herbicide:						
Gai-Quat	Gallon	1		5400		5,400
Glyphosate	Gallon	1		6000		6,000
SUBTOTAL						**1,149,800**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						114,980
Land Charges per crop cycle						12,500
Supervsion (10 percent of labour and material)						219,570
SUBTOTAL						**359,050**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,822,850**

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)	$2,500
Projected Marketable Yield (Kg)	7,085
Cost of Production $/Kg	**$78**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		2500		25,000
Dig Holes	MD	10		2500		25,000
Planting	MD	6		2500		15,000
Pesticide Application	MD	4		2500		10,000
Weed Control	MD	12		2500		30,000
Fertiliser Application	MD	1		2500		2,500
Harvesting	MD	15		2500		37,500
Lunch		58		500		29,000
SUBTOTAL						**174,000**
Material Inputs						
Planting Material	sucker	10890		20		217,800
Fertiliser:						
NPK 11-22-22	50 kg	2		11900		23,800
Insecticide:						
Caratrax	litre	2		3320		6,640
Caprid	litre	2		7200		14,400
Herbicide:						
Glyphosate	litre	1		1750		1,750
SUBTOTAL						**264,390**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						26,439
Land Charges per crop cycle						12,500
Supervsion (15 percent of labour and material)						65,759
SUBTOTAL						**116,698**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**555,088**

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)	$2,500
Projected Marketable Yield (Kg)	6,275
Cost of Production $/Kg	**$105**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		2500		25,000
Forking	MD	20		2500		50,000
Excavating Trenches	Per Square	10		3500		35,000
Preparing Planting Material	MD	2		2500		5,000
Planting	MD	4		2500		10,000
Weed Control	MD	20		2500		50,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	20		2500		50,000
Lunch		78		500		39,000
SUBTOTAL						**269,000**
Material Inputs						
Planting Material	lbs	1200		180		216,000
Fertiliser:						
Ammonium Sulphate	50 kg	5		8450		42,250
SUBTOTAL						**258,250**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						25,825
Land Charges per crop cycle						12,500
Supervsion (15 percent of labour and material)						79,088
SUBTOTAL						**129,413**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**656,663**

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)	$2,500
Projected Marketable Yield (Kg)	6,345
Cost of Production $/Kg	**$56**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		2500		25,000
Forking	MD	20		2500		50,000
Drilling	MD	4		2500		10,000
Excavating Trenches	Per Square	10		3500		35,000
Sowing seeds	MD	1		2500		2,500
Thinning & supplying seedlings	MD	2		2500		5,000
Pesticide Application	MD	4		2500		10,000
Weed Control	MD	8		2500		20,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	14		2500		35,000
Lunch		65		500		32,500
SUBTOTAL						**230,000**
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		2300		2,300
Fungicide:						
Antrical	500 g	3		2300		6,900
Mancozeb	500 g	6		900		5,400
Herbicide:						
Gai-Quat	litre	1.5		1300		1,950
SUBTOTAL						**60,850**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						6,085
Land Charges per crop cycle						3,125
Supervsion (15 percent of labour and material)						43,628
SUBTOTAL						**64,838**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**355,688**

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)	$2,500
Projected Marketable Yield (Kg)	8,097
Cost of Production $/Kg	**$46**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	10		2500		25,000
Forking	MD	20		2500		50,000
Drilling	MD	4		2500		10,000
Planting	MD	3		2500		7,500
Pesticide Application	MD	3		2500		7,500
Weed Control	MD	4		2500		10,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	30		2500		75,000
Lunch		76		500		38,000
SUBTOTAL						**228,000**
Material Inputs						
Planting Material	sticks	7260		5		36,300
Fertiliser:						
NPK 14-28-14	50 kg	2		11400		22,800
Insecticide						
Diazinon	litre	1		2900		2,900
Caprid	250 ml	1		2300		2,300
Herbicide:						
Paraquat	litre	1.5		1350		2,025
SUBTOTAL						**66,325**
Other Costs						
Transportation (10 per cent of material)						6,633
**Tools depreciated (5 years)						12,000
Land Charges per crop cycle						12,500
Supervision (15 percent of labour and material)						44,149
SUBTOTAL						**75,281**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**369,606**

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)	$3,000
Projected Marketable Yield (Kg)	8,097
Cost of Production $/Kg	**$68**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	8		3000		24,000
Dig Holes	Acre	1		40000		40,000
Planting	MD	5		3000		15,000
Pesticide Application	MD	8		3000		24,000
Weed Control (chemical)	MD	6		3000		18,000
Fertiliser Application	MD	1		3000		3,000
Harvesting	MD	22		3000		66,000
Lunch		50		500		25,000
SUBTOTAL						**215,000**
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)						66,158
SUBTOTAL						**111,138**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**552,188**

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)	$3,000
Projected Marketable Yield (Kg)	5,567
Cost of Production $/Kg	**$141**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	8		3000		24,000
Dig Holes	MD	10		3000		30,000
Planting	MD	6		3000		18,000
Pesticide Application	MD	15		3000		45,000
Weed Control	MD	20		3000		60,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	50		3000		150,000
Lunch		112		500		56,000
SUBTOTAL						**392,000**
Material Inputs						
Planting Material	seedlings	5500		14		77,000
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		2300		9,200
Caratrax	litre	1		3320		3,320
Cure	250 ml	3		4100		12,300
Selecron	litre	1		6550		6,550
Indox	250 ml	1		2100		2,100
Fungicide:						
Dithane	500 g	2		1200		2,400
Ridomil Gold	500 g	2		3200		6,400
Sulcox	500 g	2		2200		4,400
Herbicide:						
Glyphosate	litre	2		1350		2,700
SUBTOTAL						**244,920**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						24,492
Land Charges per crop cycle						13,500
Supervision (15 percent of labour and material)						95,538
SUBTOTAL						**145,530**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**782,450**

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)	$3,000
Projected Marketable Yield (Kg)	6,883
Cost of Production $/Kg	**$208**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	8		3000		24,000
Making Hills	MD	24		3000		72,000
Excavating Trenches	MD	10		3000		30,000
Prepare Planting Material	MD	2		3000		6,000
Planting	MD	16		3000		48,000
Stake & Tie	MD	16		3000		48,000
Weed Control (twice)	MD	32		3000		96,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	30		3000		90,000
Lunch		140		500		70,000
SUBTOTAL						**490,000**
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)						174,870
SUBTOTAL						**264,825**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,430,625**

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)	6,123
Cost of Production $/Kg	**$100**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (Chemical)	MD	2		3000		6,000
Forking	MD	12		3000		36,000
Furrowing	MD	8		3000		24,000
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		68		500		34,000
SUBTOTAL						**238,000**
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		7200		14,400
Fungicide:						
Mancozeb	500 g	4		1000		4,000
Ridomil Gold	500 g	3		3000		9,000
Herbicide:						
Glyphosate	litre	2		1300		2,600
SUBTOTAL						**261,300**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 per cent of material)						26,130
Land Charges per crop cycle						2,520
Supervision (15 percent of labour and material)						74,895
SUBTOTAL						**115,545**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**614,845**

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)	6,984
Cost of Production $/Kg	**$44**

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
Preparing Planting Material	MD	2		3000		6,000
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		54		500		27,000
SUBTOTAL						**191,000**
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)						37,388
SUBTOTAL						**61,213**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**310,463**

Parish	Manchester
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	2.5 Weeks
Estimated Plant Population	43560
Topography	Hillside Farm
Land Preparation	Manual
Irrigation Method	Rainfall
Area	0.4 hectare
Man-day Charge (excluding lunch)	$3,000
Projected Marketable Yield (Kg)	6,781
Cost of Production $/Kg	**$76**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Forking	MD	4		3000		12,000
Harrowing	MD	3		3000		9,000
Dig Holes	MD	5		3000		15,000
Planting	MD	5		3000		15,000
Weeding & Moulding	MD	12		3000		36,000
Pesticide Application	MD	40		3000		120,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	10		3000		30,000
Lunch		76		500		38,000
SUBTOTAL						**287,000**
Material Inputs						
Planting Material	10,000 seeds	4		9300		37,200
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	1.5		7200		10,800
Spreader/Sticker						
N oil	500 ml	2		1550		3,100
Herbicide:						
Glysophate	litre	2		1300		2,600
SUBTOTAL						**136,800**
Other Costs						
Transportation (10 percent of material)						13,680
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						63,570
SUBTOTAL						**92,610**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**516,410**

Parish	Manchester
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)	$3,000
Projected Marketable Yield (Kg)	5,073
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	4		3000		12,000
Harvesting	MD	50		3000		150,000
Lunch		109		500		54,500
SUBTOTAL						**393,500**
Material Inputs						
Planting Material	seedling	5500		20		110,000
Fertiliser:						
NPK 14-28-14	50 kg	5		11400		57,000
Insecticide						
Caprid	litre	1		7200		7,200
Pegasus	litre	2		15000		30,000
Newmectin	litre	1		19525		19,525
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						**255,925**
Other Costs						
Transportation (10 percent of material)						25,593
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						8,000
Supervision (15 percent of labour and material)						97,414
SUBTOTAL						**143,006**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**792,431**

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)	7,553
Cost of Production $/Kg	**$66**

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	2		3000		6,000
Transplanting	MD	8		3000		24,000
Pesticide Application	MD	10		3000		30,000
Weed Control	MD	16		3000		48,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	32		3000		96,000
Lunch		80		500		40,000
SUBTOTAL						**280,000**
Material Inputs						
Planting Material	pack	2		8500		17,000
Potting Mixture	bag	1		6000		6,000
Seed Trays	each	45		220		9,900
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						**128,470**
Other Costs						
**Tools discounted for 5 years						12,000
Transportation (10 percent of material)						12,847
Land Charges per crop cycle						4,000
Supervision (15 percent of labour and material)						61,271
SUBTOTAL						**90,118**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**498,588**

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)	7,389
Cost of Production $/Kg	**$73**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	4		3000		12,000
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		41		500		20,500
SUBTOTAL						**228,500**
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)						65,145
SUBTOTAL						**101,875**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**536,175**

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)	7,237
Cost of Production $/Kg	**$69**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	4		3000		12,000
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		89		500		44,500
SUBTOTAL						**311,500**
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)						61,920
SUBTOTAL						**86,150**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**498,950**

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)	6,883
Cost of Production $/Kg	**$39**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	4		3000		12,000
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		47		500		23,500
SUBTOTAL						**164,500**
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)						32,498
SUBTOTAL						**51,378**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**268,028**

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)	7,237
Cost of Production $/Kg	**$173**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		3000		6,000
Land Cleaning	MD	4		3000		12,000
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		130		500		65,000
SUBTOTAL						**455,000**
Material Inputs						
Planting Material	seedling	10000		20		200,000
Fertiliser:						
Initiator	lb	144		300		43,200
Growth	lb	144		250		36,000
Flowering	lb	144		250		36,000
Production	lb	432		300		129,600
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						**523,715**
Other Costs						
Transportation (10 percent of material)						52,372
**Tools discounted for 5 years						72,000
Land Charges per crop cycle						5,000
Supervision (15 percent of labour and material)						146,807
SUBTOTAL						**276,179**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,254,894**

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)	7,287
Cost of Production $/Kg	**$120**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	4		3000		12,000
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	8		3000		24,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	30		3000		90,000
Lunch		86		500		43,000
SUBTOTAL						**301,000**
Material Inputs						
Planting Material	head (lbs)	2000		150		300,000
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						**408,400**
Other Costs						
Transportation (10 percent of material)						40,840
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						5,000
Supervision (15 percent of labour and material)						106,410
SUBTOTAL						**164,250**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**873,650**

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)	6,478
Cost of Production $/Kg	**$75**

Labour Operations		**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		2500		5,000
Land Cleaning	MD	4		2500		10,000
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		97		500		48,500
SUBTOTAL						**291,000**
Material Inputs						
Planting Material	25000 seeds	1		11000		11,000
Fertiliser:						
NPK 14-28-14	50 kg	2		11000		22,000
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						**112,170**
Other Costs						
Transportation (10 percent of labour and material)						11,217
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,998
Supervision (15 percent of labour and material)						60,476
SUBTOTAL						**85,691**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**488,861**

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)	6,781
Cost of Production $/Kg	**$179**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		2500		5,000
Land Cleaning	MD	4		2500		10,000
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		102		500		51,000
SUBTOTAL						**346,000**
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		1400		2,800
SUBTOTAL						**638,800**
Other Costs						
Transportation (10 percent of material)						63,880
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						6,000
Supervision (15 percent of labour and material)						147,720
SUBTOTAL						**229,600**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,214,400**

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	**$36**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		2500		5,000
Land Cleaning	MD	4		2500		10,000
Forking	MD	12		2500		30,000
Planting	MD	1		2500		2,500
Weed Control	MD	6		2500		15,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	14		2500		35,000
Lunch		41		500		20,500
SUBTOTAL						**123,000**
Material Inputs						
Planting Material	Pack (300 g)	5		2500		12,500
Fertiliser:						
NPK 14-28-14	22.7 kg	6		6350		38,100
Herbicide:						
Paraquat	litre	1		1400		1,400
Fusilade	250 ml	1		2500		2,500
Carzone	250 g	1		2100		2,100
SUBTOTAL						**56,600**
Other Costs						
Transportation (10 percent of material)						5,660
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,998
Supervision (15 percent of labour and material)						26,940
SUBTOTAL						**46,598**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**226,198**

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)	$3,000
Projected Marketable Yield (Kg)	7,085
Cost of Production $/Kg	**$101**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Forking	MD	15		3000		45,000
Furrowing	MD	10		3000		30,000
Drop & Plant	MD	7		3000		21,000
Moulding	MD	12		3000		36,000
Pesticide Application	MD	18		3000		54,000
Weed Control	MD	8		3000		24,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	18		3000		54,000
Lunch		99		500		49,500
SUBTOTAL						**346,500**
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		4500		4,500
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						**240,900**
Other Costs						
Transportation (10 percent of material)						24,090
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,664
Supervsion (15 percent of labour and material)						88,110
SUBTOTAL						**126,864**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**714,264**

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)	$3,000
Projected Marketable Yield (Kg)	6,478
Cost of Production $/Kg	**$119**

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		3000		15,000
Planting	MD	4		3000		12,000
Pesticide Application	MD	25		3000		75,000
Weed Control (chemical)	MD	10		3000		30,000
Fertiliser Application	MD	5		3000		15,000
Harvesting	per lb	14252		15		213,780
Lunch		49		500		24,500
SUBTOTAL						**419,280**
Material Inputs						
Planting Material	seeds (5000)	1		5000		5,000
Seed Trays	each	25		200		5,000
Potting Mix	each	1		6700		6,700
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		7000		7,000
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						**212,925**
Other Costs						
Transportation (10 percent of material)						21,293
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						8,000
Supervsion (15 percent of labour and material)						94,831
SUBTOTAL						**136,123**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**768,328**

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)	$3,000
Projected Marketable Yield (Kg)	9,008
Cost of Production $/Kg	**$65**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Nursery Operation	MD	3		3000		9,000
Dig Holes	MD	10		3000		30,000
Transplanting	MD	8		3000		24,000
Weeding & Moulding	MD	18		3000		54,000
Pesticide Application	MD	30		3000		90,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	10		3000		30,000
Lunch		90		500		45,000
SUBTOTAL						**315,000**
Material Inputs						
Planting Material	Pack	5		9000		45,000
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						**168,600**
Other Costs						
Transportation (10 percent of material)						16,860
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						72,540
SUBTOTAL						**104,760**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**588,360**

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)	$3,000
Projected Marketable Yield (Kg)	8,300
Cost of Production $/Kg	**$118**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Making Mounds	MD	30		3000		90,000
Prepare Planting Material	MD	2		3000		6,000
Planting	MD	3		3000		9,000
Stake & Tie	MD	20		3000		60,000
Weed Control (twice)	MD	12		3000		36,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	25		3000		75,000
Lunch		102		500		51,000
SUBTOTAL						**357,000**
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)						119,730
SUBTOTAL						**181,100**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**979,300**

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)	$2,500
Projected Marketable Yield (Kg)	7,591
Cost of Production $/Kg	**$105**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		2500		5,000
Land Cleaning	MD	4		2500		10,000
Dig Hole	MD	8		2500		20,000
Transplanting	MD	10		2500		25,000
Pesticide Application	MD	26		2500		65,000
Weed Control	MD	14		2500		35,000
Fertiliser Application	MD	5		2500		12,500
Harvesting	per lb	16701		12		200,412
Lunch		69		500		34,500
SUBTOTAL						**407,412**
Material Inputs						
Planting Material	Seedlings	5500		15		82,500
Fertiliser:						
NPK 14-28-14	50 kg	4		13400		53,600
NPK 15-5-35	50 kg	2		13350		26,700
Ammonium Sulphate	50 kg	2		8450		16,900
Insecticide:						
Caprid	250 ml	8		2250		18,000
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						**251,000**
Other Costs						
Transportation (10 percent of material)						25,100
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						6,000
Supervsion (10 percent of labour and material)						98,762
SUBTOTAL						**141,862**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**800,274**

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)	$2,500
Projected Marketable Yield (Kg)	6,883
Cost of Production $/Kg	**$43**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		2500		5,000
Ploughing	Tractor/acre	1		20000		20,000
Furrowing	Tractor/acre	1		8000		8,000
Excavating Trenches	Tractor/acre	1		7000		7,000
Preparing Planting Material	MD	3		2500		7,500
Planting	MD	7		2500		17,500
Pesticide Application	MD	6		2500		15,000
Weed Control	MD	4		2500		10,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	12		2500		30,000
Lunch		36		500		18,000
SUBTOTAL						**143,000**
Material Inputs						
Planting Material	slips	10890		3		32,670
Fertiliser:						
NPK 14-28-14	50 kg	3		13400		40,200
Insecticide:						
Caprid	250 ml	4		2250		9,000
Malathion	litre	1		1930		1,930
Fungicide:						
Mancozeb	500 g	4		800		3,200
Herbicide:						
Glyphosate	litre	1		1400		1,400
Fusilade	litre	1		7500		7,500
SUBTOTAL						**95,900**
Other Costs						
Transportation (10 percent of material)						9,590
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						2,520
Supervision (15 percent of labour and material)						35,835
SUBTOTAL						**59,945**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**298,845**

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)	$2,500
Projected Marketable Yield (Kg)	7,591
Cost of Production $/Kg	**$103**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (chemical)	MD	2		2500		5,000
Land Cleaning	MD	6		2500		15,000
Forking	MD	20		2500		50,000
Dig Holes	MD	22		2500		55,000
Planting	MD	6		2500		15,000
Pesticide Application	MD	3		2500		7,500
Weed Control	MD	6		2500		15,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	20		2500		50,000
Lunch		87		500		43,500
SUBTOTAL						**261,000**
Material Inputs						
Planting Material	sucker	10000		30		300,000
Fertiliser:						
NPK 15-5-35	50 kg	4		13350		53,400
Insecticide:						
Caprid	litre	1		7000		7,000
Herbicide:						
Paraquat	Litre	4		1300		5,200
Glyphosate	Litre	1		1400		1,400
SUBTOTAL						**367,000**
Other Costs						
Transportation (10 percent of material)						36,700
**Tools discounted for 5 years						12000
Land Charges per crop cycle						10375
Supervsion (15 percent of labour and material)						94200
SUBTOTAL						**153,275**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**781,275**

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)	$2,500
Projected Marketable Yield (Kg)	4,150
Cost of Production $/Kg	**$246**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		2500		5,000
Ploughing	Tractor	1		20000		20,000
Harrowing	Tractor	1		10000		10,000
Furrowing	Tractor	1		10000		10,000
Raking	MD	15		2500		37,500
Stalebedding	MD	2		2500		5,000
Irrigation Installation	MD	4		2500		10,000
Sowing seeds	MD (Planter)	1		2500		2,500
Pesticide Application	MD	24		2500		60,000
Weed Control	MD	10		2500		25,000
Fertiliser Application	MD	4		2500		10,000
Harvesting	MD	40		2500		100,000
Lunch		101		500		50,500
SUBTOTAL						**345,500**
Material Inputs						
Planting Material	lbs	4		9000		36,000
Water	monthly	5		4000		20,000
Fertiliser:						
NPK 14-28-14	50 kg	4		13400		53,600
Green Plus	50 kg	5		12000		60,000
Ammonium Sulphate	50 kg	3		8450		25,350
Mono Potassium Phosphate (M.O.P	22.7 kg	1		8250		8,250
Bio-20	litre	2		1800		3,600
Calmax B	litre	2		4200		8,400
Phortify	litre	2		1900		3,800
Bioforge	500 ml	2		4200		8,400
X-Cyte	500 ml	1		3000		3,000
Insecticide						
Caprid	250 ml	10		2250		22,500
Karate	litre	3		8150		24,450
FerStrike	250 ml	2		3700		7,400
Caratrax	250 ml	2		2000		4,000
Tracer	120 ml	2		3000		6,000
Diazinon	litre	1		3165		3,165
Engeo	250 ml	1		5000		5,000
Break-thru	litre	2		8000		16,000
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		3100		12,400
Herbicide:						
Dacthal	litre	5		16000		80,000
Pilargola	500 ml	4		2600		10,400

Glyphosate	litre	3		1400		4,200
SUBTOTAL						**438,965**

Other Costs

Transportation (10 percent of material)				43,897
**Tools including Irrigation Equipment discounted for 5 years				72,000
Land Charges per crop cycle				3,360
Supervision (15 percent of labour and material)				117,670
SUBTOTAL				**236,926**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				**1,021,391**

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)	$3,000
Projected Marketable Yield (Kg)	5,972
Cost of Production $/Kg	**$50**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Ploughing	Tractor	1		10000		10,000
Harrowing	Tractor	1		10000		10,000
Cut & Spread Mulch	Job	1		35000		35,000
Planting	MD	2		3000		6,000
Pesticide Application	MD	3		3000		9,000
Weed Control	MD	4		3000		12,000
Fertiliser Application	MD	1		3000		3,000
Harvesting	MD	12		3000		36,000
Lunch		24		500		12,000
SUBTOTAL						**139,000**
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		11400		22,800
Insecticide						
Caratrax	litre	1		3400		3,400
Fungicide						
Dithane	500 g	3		1000		3,000
Herbicide:						
Glyphosate	litre	2		1450		2,900
Carzone	250 g	1		2500		2,500
Fusilade	250 ml	1		2450		2,450
SUBTOTAL						**100,550**
Other Costs						
Transportation (10 percent of material)						10,055
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,780
Supervision (15 percent of labour and material)						35,933
SUBTOTAL						**61,768**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**301,318**

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)	$3,000
Projected Marketable Yield (Kg)	7,085
Cost of Production $/Kg	**$169**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Forking	MD	20		3000		60,000
Furrowing	MD	15		3000		45,000
Planting	MD	20		3000		60,000
Pesticide Application	MD	20		3000		60,000
Weed Control	MD	18		3000		54,000
Fertilizer Application	MD	6		3000		18,000
Harvesting	MD	45		3000		135,000
Lunch		154		500		77,000
SUBTOTAL						**539,000**
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		2800		2,800
Fungicide						
Ridomil Gold	500 g	3		2800		8,400
Herbicide:						
Diuron	Gallon	1		2250		2,250
Dual Gold	Gallon	1		6250		6,250
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**442,100**
Other Costs						
Transportation (10 percent of material)						44,210
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						15,030
Supervision (15 percent of labour and material)						147,165
SUBTOTAL						**218,405**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,199,505**

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)	$3,000
Projected Marketable Yield (Kg)	9,231
Cost of Production $/Kg	**$91**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Dig holes	MD	8		3000		24,000
Irrigation Installation	MD	2		3000		6,000
Nursery Operation	MD	3		3000		9,000
Cut/Spread Mulch	Job	1		35000		35,000
Transplanting	MD	8		3000		24,000
Budding	MD	5		3000		15,000
Pesticide Application	MD	25		3000		75,000
Weed Control	MD	8		3000		24,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	36		3000		108,000
Lunch		108		500		54,000
SUBTOTAL						**413,000**
Material Inputs						
Mulch	per acre	1		50000		50,000
Planting Material	1000 seeds p	6		8000		48,000
Potting Mixture	bag	2		6500		13,000
Seed Trays	each	30		250		7,500
Water	Monthly	4		7000		28,000
Fertiliser:						
NPK 11-22-22	50 kg	2		11400		22,800
NPK 15-5-35	50 kg	2		11350		22,700
Ammonium Sulphate	50 kg	1		8400		8,400
Insecticide						
Caprid	litre	1		7200		7,200
Cure	250 ml	3		3500		10,500
Fungicide						
Ridomil Gold	500 g	4		2800		11,200
Mancozeb	500 g	3		850		2,550
Herbicide:						
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**234,750**
Other Costs						
Transporation (10 percent of material)						23,475
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per crop cycle						2,940
Supervision (15 percent of labour and material)						97,163
SUBTOTAL						**195,578**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**843,328**

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)	$3,000
Projected Marketable Yield (Kg)	7,287
Cost of Production $/Kg	**$50**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Forking	MD	20		3000		60,000
Prepare Planting Material	MD	2		3000		6,000
Planting	MD	3		3000		9,000
Moulding	MD	8		3000		24,000
Pesticide Application	MD	4		3000		12,000
Weed Control	MD	8		3000		24,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	15		3000		45,000
Lunch		72		500		36,000
SUBTOTAL						**252,000**
Material Inputs						
Planting Material	slips	11000		1		11,000
Fertiliser:						
NPK 14-28-14	50 kg	2		11400		22,800
Insecticide						
Caratrax	250 ml	3		1800		5,400
Fungicide						
Mancozeb	500 g	2		850		1,700
Herbicide:						
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**43,800**
Other Costs						
Transportation (10 percent of material)						4,380
**Tools discounted for 5 years						12,000
Land Charges per year						4,500
Supervision (15 percent of labour and material)						44,370
SUBTOTAL						**65,250**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**361,050**

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)	$3,000
Projected Marketable Yield (Kg)	506
Cost of Production $/Kg	**$758**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Forking	MD	20		3000		60,000
Planting	MD	6		3000		18,000
Pesticide Application	MD	8		3000		24,000
Weeding & Moulding	MD	15		3000		45,000
Fertiliser Application	MD	2		3000		6,000
Reaping & Threshing	MD	15		3000		45,000
Lunch		76		500		38,000
SUBTOTAL						**266,000**
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		1800		3,600
Fungicide:						
Dithane	500 g	3		1000		3,000
Herbicide:						
Glyphosate	litre	1		1450		1,450
SUBTOTAL						**49,950**
Other Costs						
Transportation (10 percent of material)						4,995
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,125
Supervision (15 percent of labour and material)						47,393
SUBTOTAL						**67,513**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**383,463**

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)	$3,000
Projected Marketable Yield (Kg)	6,377
Cost of Production $/Kg	**$110**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Forking	MD	20		3000		60,000
Furrowing	MD	15		3000		45,000
Heading & Dropping	MD	4		3000		12,000
Planting	MD	4		3000		12,000
Pesticide Application	MD	10		3000		30,000
Weeding & Moulding	MD	15		3000		45,000
Fertiliser Application	MD	1		3000		3,000
Harvesting	MD	12		3000		36,000
Lunch		91		500		45,500
SUBTOTAL						**318,500**
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		2800		8,400
Bravo	litre	2		6500		13,000
Consento	250 ml	3		3500		10,500
Herbicide:						
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**255,430**
Other Costs						
Transportation (10 percent of material)						25,543
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,664
Supervision (15 percent of labour and material)						86,090
SUBTOTAL						**126,297**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**700,227**

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)	$3,000
Projected Marketable Yield (Kg)	7,389
Cost of Production $/Kg	**$67**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Dig Holes	MD	12		3000		36,000
Prepare Planting Material	MD	2		3000		6,000
Planting	MD	10		3000		30,000
Pesticide Application	MD	8		3000		24,000
Weed Control	MD	6		3000		18,000
Fertiliser Application	MD	1		3000		3,000
Harvesting	MD	15		3000		45,000
Lunch		64		500		32,000
SUBTOTAL						**224,000**
Material Inputs						
Planting Material	sucker	11000		10		110,000
Fertiliser:						
NPK 14-28-14	50 kg	3		11400		34,200
Insecticide:						
Karate	litre	2		8300		16,600
Malathion	250 ml	3		730		2,190
Fungicide:						
Ridomil Gold	500 g	2		2800		5,600
Herbicide:						
Paraquat	litre	4		1400		5,600
Glyphosate	litre	2		1450		2,900
SUBTOTAL						**177,090**
Other Costs						
Transportation (10 percent of material)						17,709
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						7,100
Supervsion (15 percent of labour and material)						60,164
SUBTOTAL						**96,973**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**498,063**

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)	$3,000
Projected Marketable Yield (Kg)	4,251
Cost of Production $/Kg	**$227**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Cut/Spread Mulch	MD	4		3000		12,000
Irrigation Installation	MD	4		3000		12,000
Planting	MD	10		3000		30,000
Pesticide Application	MD	24		3000		72,000
Weed Control	MD	6		3000		18,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	15		3000		45,000
Lunch		76		500		38,000
SUBTOTAL						**266,000**
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		7200		7,200
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		2800		5,600
Herbicide:						
Gai-Quat	litre	2		1300		2,600
SUBTOTAL						**469,100**
Other Costs						
Transportation (10 percent of material)						46,910
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per year						1,998
Supervision (15 percent of labour and material)						110,265
SUBTOTAL						**231,173**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**966,273**

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)	$3,000
Projected Marketable Yield (Kg)	6,377
Cost of Production $/Kg	**$79**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Furrowing	MD	8		3000		24,000
Excavating Trenches	MD	5		3000		15,000
Maintaining Trenches	MD	2		3000		6,000
Nursery Operation	MD	3		3000		9,000
Transplanting	MD	5		3000		15,000
Pesticide Application	MD	20		3000		60,000
Weed Control	MD	12		3000		36,000
Fertiliser Application	MD	4		3000		12,000
Harvesting	MD	10		3000		30,000
Lunch		77		500		38,500
SUBTOTAL						**269,500**
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		3300		9,900
Match	250 ml	3		1750		5,250
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						**145,020**
Other Costs						
Transportation (10 percent of material)						14,502
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,665
Supervision (15 percent of labour and material)						62,178
SUBTOTAL						**90,345**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**504,865**

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)	$3,000
Projected Marketable Yield (Kg)	7,287
Cost of Production $/Kg	**$102**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Dig Holes	Job/acre	1		100000		100,000
Planting	MD	5		3000		15,000
Weed Control	MD	6		3000		18,000
Pesticide Application	MD	6		3000		18,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	20		3000		60,000
Lunch		47		500		23,500
SUBTOTAL						**264,500**
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		2700		5,400
Caratrax	250 ml	2		2200		4,400
Herbicide:						
Glyphosate	Gallon	1		5600		5,600
SUBTOTAL						**338,400**
Other Costs						
Transportation (10 percent material)						33,840
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,750
Supervision (15 percent of labour and material)						90,435
SUBTOTAL						**140,025**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**742,925**

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)	$3,000
Projected Marketable Yield (Kg)	7,895
Cost of Production $/Kg	**$82**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Dig Holes	MD	8		3000		24,000
Maintaining Threnches	MD	4		3000		12,000
Planting	MD	10		3000		30,000
Pesticide Application	MD	2		3000		6,000
Weed Control	MD	15		3000		45,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	20		3000		60,000
Lunch		70		500		35,000
SUBTOTAL						**245,000**
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		3165		3,165
Fungicide						
Dithane	500 g	1		900		900
Herbicide:						
Diuron	litre	2		2500		5,000
Velzone	litre	1		3100		3,100
Glyphosate	litre	1		1400		1,400
SUBTOTAL						**273,845**
Other Costs						
Transportation (10 percent of material)						27,385
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						12,500
Supervision (15 percent of labour and material)						77,827
SUBTOTAL						**129,711**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**648,556**

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)	$3,000
Projected Marketable Yield (Kg)	6,343
Cost of Production $/Kg	**$235**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Dig Holes	each	1000		40		40,000
Excavating Trenches	MD	4		3000		12,000
Preparing Planting Material	MD	2		3000		6,000
Drop & Plant	MD	6		3000		18,000
Stake & tie	MD	12		3000		36,000
Pesticide Application	MD	24		3000		72,000
Weed Control	MD	20		3000		60,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	15		3000		45,000
Lunch		93		500		46,500
SUBTOTAL						**365,500**
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		1650		9,900
Antrical	750 g	4		2210		8,840
Silvacur	250 ml	4		3420		13,680
Herbicide:						
Paraquat	litre	3		1400		4,200
SUBTOTAL						**837,420**
Other Costs						
Transportation (10 percent of material)						83,742
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						11,360
Supervision (15 percent of labour and material)						180,438
SUBTOTAL						**287,540**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,490,460**

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)	$3,000
Projected Marketable Yield (Kg)	5,870
Cost of Production $/Kg	**$167**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Ploughing	Tractor	1		15000		15,000
Furrowing	Tractor	1		10000		10,000
Irrigation Installation	MD	4		3000		12,000
Planting	MD	8		3000		24,000
Pesticide Application	MD	24		3000		72,000
Weed Control	MD	12		3000		36,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	per lb	12914		12		154,968
Lunch		59		500		29,500
SUBTOTAL						**386,468**
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)						112,330
SUBTOTAL						**228,670**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**977,538**

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)	$2,500
Projected Marketable Yield (Kg)	7,591
Cost of Production $/Kg	**$168**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		2500		5,000
Land Cleaning	MD	8		2500		20,000
Ploughing	Tractor	1		20000		20,000
Furrowing	Tractor	1		10000		10,000
Irrigation Installation	MD	3		2500		7,500
Planting	MD	12		2500		30,000
Pesticide Application	MD	24		2500		60,000
Weed Control	MD	8		2500		20,000
Fertiliser Application	MD	3		2500		7,500
Harvesting	MD	60		2500		150,000
Lunch		120		500		60,000
SUBTOTAL						**390,000**
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)				148,457
SUBTOTAL				**285,428**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				**1,275,138**

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)	$2,500
Projected Marketable Yield (Kg)	6,883
Cost of Production $/Kg	**$117**

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		2500		2,500
Preparing Planting Material	MD	2		2500		5,000
Planting	MD	7		2500		17,500
Moulding	MD	12		2500		30,000
Pesticide Application	MD	16		2500		40,000
Fertiliser Application	MD	4		2500		10,000
Weed Control	MD	2		2500		5,000
Harvesting	MD	26		2500		65,000
Lunch		70		500		35,000
SUBTOTAL						**271,000**
Material Inputs						
Planting Material	22.7 kg	25		5500		137,500
Fertiliser:						
NPK 14-28-14	22.7 kg	25		6500		162,500
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						**379,050**
Other Costs						
Transportation (10 percent of material)						37,905
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						10,000
Supervision (15 percent of labour and material)						97,508
SUBTOTAL						**157,413**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**807,463**

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)	$2,500
Projected Marketable Yield (Kg)	7,719
Cost of Production $/Kg	**$107**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		2500		5,000
Land Cleaning	MD	8		2500		20,000
Furrowing	MD	5		2500		12,500
Dig Holes	MD	5		2500		12,500
Maintaining Trenches	MD	4		2500		10,000
Transplanting	MD	8		2500		20,000
Stake and tie	MD	10		2500		25,000
Pesticide Application	MD	24		2500		60,000
Weed Control	MD	12		2500		30,000
Fertiliser Application	MD	4		2500		10,000
Harvesting	MD	20		2500		50,000
Lunch		102		500		51,000
SUBTOTAL						**306,000**
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)						100,725
SUBTOTAL						**151,375**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**822,875**

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)	$2,500
Projected Marketable Yield (Kg)	8,603
Cost of Production $/Kg	**$63**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		2500		5,000
Land Cleaning	MD	8		2500		20,000
Line & peg	MD	2		2500		5,000
Preparing planting material	MD	4		2500		10,000
Head & drop plants	MD	3		2500		7,500
Dig holes, treat & plant	MD	778		50		38,900
Pesticide Application	MD	6		2500		15,000
Weed Control & Pruning	MD	32		2500		80,000
Fertiliser Application	MD	4		2500		10,000
Harvesting	MD	22		2500		55,000
Lunch		83		500		41,500
SUBTOTAL						**287,900**
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)						65,946
SUBTOTAL						**101,120**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**540,760**

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)	$2,500
Projected Marketable Yield (Kg)	6,579
Cost of Production $/Kg	**$62**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		2500		5,000
Land Cleaning	MD	8		2500		20,000
Dig Holes	MD	3		2500		7,500
Nursery Operation	MD	3		2500		7,500
Transplanting	MD	6		2500		15,000
Weeding & Moulding	MD	12		2500		30,000
Pesticide Application	MD	20		2500		50,000
Fertiliser Application	MD	4		2500		10,000
Harvesting	MD	10		2500		25,000
Lunch		68		500		34,000
SUBTOTAL						**204,000**
Material Inputs						
Planting Material	Pack	2		10000		20,000
Fertiliser:						
NPK 11-22-22	50 kg	3		13100		39,300
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						**126,250**
Other Costs						
Transportation (10 percent of material)						12,625
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						49,538
SUBTOTAL						**77,523**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**407,773**

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)	$2,500
Projected Marketable Yield (Kg)	7,287
Cost of Production $/Kg	**$130**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		2500		5,000
Land Cleaning	MD	8		2500		20,000
Harrowing	Tractor	1		15000		15,000
Furrowing	Tractor	1		15000		15,000
Raking	MD	12		2500		30,000
Stale Bedding	Job	2		2500		5,000
Irrigation Installation	MD	3		2500		7,500
Planting	per lb	4		2500		10,000
Pesticide Application	MD	10		2500		25,000
Weed Control	MD	15		2500		37,500
Fertiliser Application	MD	4		2500		10,000
Harvesting	MD	25		2500		62,500
Lunch		84		500		42,000
SUBTOTAL						**284,500**
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		13100		39,300
NPK 15-5-35	50 kg	3		11750		35,250
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						**436,900**
Other Costs						
Transportation (10 percent of material)						43,690
**Tools including Irrigation Equipment discounted for 5 years						72,000
Land Charges per crop cycle						3,360
Supervision (15 percent of labour and material)						108,210
SUBTOTAL						**227,260**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**948,660**

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)	$2,500
Projected Marketable Yield (Kg)	6,275
Cost of Production $/Kg	**$156**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing (Chemical)	MD	2		2500		5,000
Ploughing	Tractor	1		15000		15,000
Harrowing	Tractor	1		15000		15,000
Furrowing	Tractor	1		15000		15,000
Irrigation Installation	MD	3		2500		7,500
Transplanting	MD	8		2500		20,000
Pesticide Application	MD	24		2500		60,000
Weed Control	MD	8		2500		20,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	40		2500		100,000
Lunch		86		500		43,000
SUBTOTAL						**305,500**
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)						111,165
SUBTOTAL						**234,725**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**975,825**

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)	$2,500
Projected Marketable Yield (Kg)	6,478
Cost of Production $/Kg	**$34**

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	10		2500		25,000
Planting	MD	2		2500		5,000
Pesticide Application	MD	2		2500		5,000
Weed Control	MD	6		2500		15,000
Fertiliser Application	MD	1		2500		2,500
Harvesting	MD	10		2500		25,000
Lunch		41		500		20,500
SUBTOTAL						**123,000**
Material Inputs						
Planting Material	300g pack	5		2700		13,500
Fertiliser:						
NPK 15-5-35	50 kg	2		11750		23,500
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						**49,500**
Other Costs						
Transportation (10 percent of material)						4,950
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						2,000
Supervision (15 percent of labour and material)						25,875
SUBTOTAL						**44,825**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**217,325**

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)	$2,500
Projected Marketable Yield (Kg)	6,478
Cost of Production $/Kg	**$69**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	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
Planting	MD	8		2500		20,000
Pesticide Application	MD	8		2500		20,000
Weed Control	MD	6		2500		15,000
Fertiliser Application	MD	2		2500		5,000
Harvesting	MD	16		2500		40,000
Lunch		64		500		32,000
SUBTOTAL						**192,000**
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)						54,122
SUBTOTAL						**87,603**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**448,415**

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)	$3,000
Projected Marketable Yield (Kg)	6,984
Cost of Production $/Kg	**$163**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Forking	MD	20		3000		60,000
Excavating Trenches	MD	10		3000		30,000
Heading ginger	MD	1		3000		3,000
Planting	MD	15		3000		45,000
Fertiliser Application	MD	2		3000		6,000
Weed Control	MD	20		3000		60,000
Harvesting	MD	30		3000		90,000
Lunch		106		500		53,000
SUBTOTAL						**371,000**
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)						139,545
SUBTOTAL						**211,225**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,141,525**

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)	$3,000
Projected Marketable Yield (Kg)	6,073
Cost of Production $/Kg	**$239**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Dig Holes	each	1200		40		48,000
Excavating Trenches	MD	6		3000		18,000
Preparing Planting Material	MD	2		3000		6,000
Head & drop plant	MD	2		3000		6,000
Planting	MD	3		3000		9,000
Transport stakes	each	1200		25		30,000
Stake & Tie	each	1200		25		30,000
Pesticide Application	MD	24		3000		72,000
Weed Control (Chemical)	MD	2		3000		6,000
Weed Control (Manual)	each	1200		20		24,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	15		3000		45,000
Lunch		64		500		32,000
SUBTOTAL						**356,000**
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)						175,448
SUBTOTAL						**280,173**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,449,823**

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)	$3,000
Projected Marketable Yield (Kg)	6,073
Cost of Production $/Kg	**$124**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Forking	MD	20		3000		60,000
Drilling	MD	15		3000		45,000
Excavating Trenches	MD	6		3000		18,000
Heading seeds	MD	1		3000		3,000
Planting	MD	8		3000		24,000
Weeding & Moulding	MD	20		3000		60,000
Pesticide Application	MD	12		3000		36,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	15		3000		45,000
Lunch		108		500		54,000
SUBTOTAL						**378,000**
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)						93,066
SUBTOTAL						**131,974**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**752,414**

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)	$3,000
Projected Marketable Yield (Kg)	7,085
Cost of Production $/Kg	**$57**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Forking	MD	20		3000		60,000
Preparing Planting Material	MD	2		3000		6,000
Planting	MD	6		3000		18,000
Pesticide Application	MD	4		3000		12,000
Weed Control	MD	10		3000		30,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	15		3000		45,000
Lunch		67		500		33,500
SUBTOTAL						**234,500**
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		5000		5,000
Glysophate	litre	2		1400		2,800
SUBTOTAL						**92,800**
Other Costs						
Transportation (10 percent of material)						9,280
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						4,000
Supervision (15 percent of labour and material)						49,095
SUBTOTAL						**74,375**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**401,675**

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)	$3,000
Projected Marketable Yield (Kg)	7,389
Cost of Production $/Kg	**$150**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Dig Holes	each	1600		40		64,000
Excavating Trenches	MD	6		3000		18,000
Prepare Planting Material	MD	2		3000		6,000
Head & drop plants	MD	2		3000		6,000
Planting	MD	3		3000		9,000
Transport stakes	each	1600		25		40,000
Stake & Tie	each	1600		25		40,000
Weed Control (Chemical)	MD	2		3000		6,000
Weed Control (Manual)	each	1600		20		32,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	25		3000		75,000
Lunch		50		500		25,000
SUBTOTAL						**351,000**
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		12350		49,400
Herbicide						
Glyphosate	litre	2		1400		2,800
Paraquat	litre	2		1300		2,600
SUBTOTAL						**542,800**
Other Costs						
Transportation (10 percent of material)						54,280
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						10,800
Supervision (15 percent of labour and material)						134,070
SUBTOTAL						**211,150**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**1,104,950**

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)	$3,000
Projected Marketable Yield (Kg)	8,097
Cost of Production $/Kg	**$79**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	6		3000		18,000
Line & peg	MD	2		3000		6,000
Prepare & treat planting material	MD	4		3000		12,000
Head & Drop Plants	MD	2		3000		6,000
Dig holes	each	778		35		27,230
Planting	MD	6		3000		18,000
Pesticide Application	MD	12		3000		36,000
Weed Control	MD	16		3000		48,000
Pruning	MD	24		3000		72,000
Fertiliser Application	MD	6		3000		18,000
Harvesting	MD	18		3000		54,000
Lunch		98		500		49,000
SUBTOTAL						**370,230**
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		12350		49,400
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		2800		5,600
Herbicide:						
Glyphosate	litre	6		1400		8,400
SUBTOTAL						**154,540**
Other Costs						
Transportation (10 percent of material)						15,454
**Tools including Irrigation Equipment discounted for 5 years						12,000
Land Charges per crop cycle						7,360
Supervsion (15 percent of labour and material)						78,716
SUBTOTAL						**113,530**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**638,300**

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)	$3,000
Projected Marketable Yield (Kg)	8,097
Cost of Production $/Kg	**$94**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Dig Holes	MD	15		3000		45,000
Planting	MD	4		3000		12,000
Weed Control	MD	15		3000		45,000
Pesticide Application	MD	4		3000		12,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	20		3000		60,000
Lunch		70		500		35,000
SUBTOTAL						**245,000**
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)						92,588
SUBTOTAL						**146,413**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**763,663**

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)	$3,000
Projected Marketable Yield (Kg)	8,097
Cost of Production $/Kg	**$95**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Furrowing	Job/acre	1		100000		100,000
Maintaining Trenches	MD	2		3000		6,000
Planting	MD	10		3000		30,000
Weed Control	MD	12		3000		36,000
Pesticide Application	MD	4		3000		12,000
Fertiliser Application	MD	4		3000		12,000
Harvesting	MD	30		3000		90,000
Lunch		72		500		36,000
SUBTOTAL						**352,000**
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)						92,565
SUBTOTAL						**151,075**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**768,175**

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)	$3,000
Projected Marketable Yield (Kg)	5,870
Cost of Production $/Kg	**$124**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Forking	Job	1		45000		45,000
Furrowing	Job	1		30000		30,000
Preparing Planting Material	MD	2		3000		6,000
Planting	MD	8		3000		24,000
Weeding & Moulding	MD	20		3000		60,000
Pesticide Application	MD	10		3000		30,000
Fertiliser Application	MD	3		3000		9,000
Harvesting	MD	15		3000		45,000
Lunch		68		500		34,000
SUBTOTAL						**313,000**
Material Inputs						
Planting Material	22.7Kg	20		6500		130,000
Fertiliser:						
NPK 11-22-22	50 kg	5		12000		60,000
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						**282,620**
Other Costs						
Transportation (10 percent of material)						28,262
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						3,330
Supervision (15 percent of labour and material)						89,343
SUBTOTAL						**132,935**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**728,555**

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)	$3,000
Projected Marketable Yield (Kg)	6,883
Cost of Production $/Kg	**$60**

Labour Operations	**Unit**	**No. of Units**		**Cost/Unit**		**Total Cost**
Land Clearing	MD	2		3000		6,000
Land Cleaning	MD	8		3000		24,000
Forking	MD	18		3000		54,000
Maintain Trenches	MD	2		3000		6,000
Preparing Planting Material	MD	2		3000		6,000
Planting	MD	9		3000		27,000
Pesticide Application	MD	4		3000		12,000
Weed Control	MD	8		3000		24,000
Fertiliser Application	MD	2		3000		6,000
Harvesting	MD	16		3000		48,000
Lunch		71		500		35,500
SUBTOTAL						**248,500**
Material Inputs						
Planting Material	Truckload	1		15000		15,000
Fertiliser:						
NPK 11-22-22	50 kg	4		12000		48,000
Insecticide						
Caprid	litre	1		7200		7,200
Caratrax	500 ml	2		4450		8,900
Herbicide:						
Gai-Quat	litre	1		1260		1,260
Fusilade	litre	1		7950		7,950
SUBTOTAL						**88,310**
Other Costs						
Transportation (10 percent of material)						8,831
**Tools discounted for 5 years						12,000
Land Charges per crop cycle						1,998
Supervision (15 percent of labour and material)						50,522
SUBTOTAL						**73,351**
TOTAL OPERATING EXPENDITURE PER CROP CYCLE						**410,161**