



# COST OF PRODUCTION ESTIMATES 2012

A PUBLICATION OF THE ECONOMIC PLANNING DIVISION  
MINISTRY OF AGRICULTURE AND FISHERIES



The following Cost of Production estimates are actual survey results from farmers engaged in cultivating particular crops across the island of Jamaica in 2012. These results should not be construed as indicative of best practices or recommended practices for growing of these crops. The findings seek to present the economic circumstances under which Jamaican farmers in various extensions operate. It is important to note however that results may highlight crops that are being produced with a great level of efficiency in some areas than others due to multiplicity of cultural, economic and environmental factors.

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# Table of Contents

	Page
Quick Find Table	i-v
Clarendon	1-19
Hanover	20-35
Manchester	36-54
Portland	55-67
St. Ann	68-74
St. Andrew	75-80
St. Catherine	81-99
St. Elizabeth	100-126
St. James	127-138
St. Mary	139-148
St. Thomas	149-159
Trelawny	160-176
Westmoreland	177-193

# QUICK FIND TABLE

PARISH	EXTENSION	CROP	\$/kg (or where otherwise stated)
Clarendon	May Pen	PAW PAW	23.56
Clarendon	May Pen	CALLALOO	16.15
Clarendon	May Pen	CUCUMBER	32.79
Clarendon	May Pen	HOT PEPPER (WI RED)	69.6
Clarendon	May Pen	TOMATO (PLUMMY)	62.41
Clarendon	May Pen	PUMPKIN (NATIVE)	26.48
Clarendon	Spaldings	CABBAGE	23.93
Clarendon	Spaldings	YELLOW YAM	64.17
Clarendon	Kellits	CABBAGE	25.36
Clarendon	Kellits	YELLOW YAM	48.1
Clarendon	Kellits	GINGER	37.9
Clarendon	Kellits	LETTUCE	27.23
Clarendon	Thompson Town	CABBAGE	28.59
Clarendon	Thompson Town	CARROT	56.23
Clarendon	Thompson Town	SWEET CASSAVA	12.36
Clarendon	Thompson Town	YELLOW YAM	34.53
Clarendon	Thompson Town	DASHEEN	33.11
Clarendon	Thompson Town	IRISH POTATO	27.73
Clarendon	Thompson Town	TOMATO (SLICING	17.48
Hanover	Lucea	HOT PEPPER (WI RED)	58.38
Hanover	Lucea	SCOTCH BONNET PEPPER	68.977
Hanover	Lucea	YELLOW YAM	43.09
Hanover	Lucea	NEGRO YAM	32.32
Hanover	Green Island	HORSE PLANTAIN	21.05
Hanover	Green Island	SCOTCH BONNET PEPPER	47.66
Hanover	Green Island	DASHEEN	28.72
Hanover	Cascade	STRING BEAN	113.31
Hanover	Cascade	CABBAGE	25.13
Hanover	Cascade	SWEET PEPPER	39.74
Hanover	Cascade	CARROT	30.18
Hanover	Cascade	SCOTCH BONNET PEPPER	84.87
Hanover	Cascade	YELLOW YAM	56.37
Hanover	Miles Town	PUMPKIN (NATIVE)	15.89
Hanover	Miles Town	SCOTCH BONNET PEPPER	38.29
Hanover	Miles Town	HORSE PLANTAIN	29.4
Manchester	Mile Gully	IRISH POTATO	64.97
Manchester	Mile Gully	SWEET POTATO	17.34
Manchester	Mile Gully	CARROT	49.48
Manchester	Mile Gully	CABBAGE	35.84
Manchester	Mile Gully	YELLOW YAM	42.37
Manchester	Mandeville	CARROT	57.45
Manchester	Mandeville	IRISH POTATO	42.89
Manchester	Mandeville	SWEET POTATO	42.18
Manchester	Cross Keys	CAULIFLOWER	102.2
Manchester	Cross Keys	SWEET POTATO	20.46
Manchester	Cross Keys	SWEET PEPPER	56.2

Manchester	Cross Keys	GUNGO PEA	185.42
Manchester	Cross Keys	TOMATO (PLUMMY)	30.85
Manchester	Cross Keys	WATERMELON	34.88
Manchester	Cross Keys	ESCALLION	76.61
Manchester	Christiana	CABBAGE	38.56
Manchester	Christiana	YELLOW YAM	55.9
Manchester	Christiana	GINGER	78.42
Manchester	Christiana	SWEET POTATO	15.91
Portland	Manchioneal	HORSE PLANTAIN	27.082
Portland	Manchioneal	YELLOW YAM	61.024
Portland	Manchioneal	PUMPKIN (NATIVE)	15.279
Portland	Manchioneal	WATERMELON	15.793
Portland	Windsor	GINGER	63.905
Portland	Windsor	DASHEEN	30.36
Portland	Windsor	PUMPKIN (BODLES GLOBE)	34.581
Portland	Windsor	HOT PEPPER (WI RED)	86.493
Portland	Kildare	HORSE PLANTAIN	27.61
Portland	Kildare	CARROT	101.82
Portland	Fruitful Vale	PUMPKIN (NATIVE)	26.11
Portland	Fruitful Vale	COCO	25.59
Portland	Fruitful Vale	CARROT	21.46
St. Ann	St. Ann's Bay	CARROT	58.89
St. Ann	St. Ann's Bay	DASHEEN	32.04
St. Ann	St. Ann's Bay	ONION	69.41
St. Ann	Claremont	CABBAGE	17.16
St. Ann	Claremont	LETTUCE	33.41
St. Ann	Claremont	PAK CHOI	28.21
St. Ann	Claremont	YELLOW YAM	32.58
St. Andrew	Mavis Bank	ESCALLION	59.73
St. Andrew	Mavis Bank	LETTUCE	28.28
St. Andrew	Salisbury Plain	GINGER	50.01
St. Andrew	Salisbury Plain	SWEET POTATO	61.61
St. Andrew	Salisbury Plain	YELLOW YAM	33.75
St. Andrew	Salisbury Plain	PUMPKIN (NATIVE)	21.24
St. Catherine	Old Harbour	OKRA	34.6
St. Catherine	Old Harbour	CUCUMBER	45.43
St. Catherine	Old Harbour	SWEET POTATO	27.24
St. Catherine	Old Harbour	DASHEEN	35.38
St. Catherine	Old Harbour	CALLALOO	25.05
St. Catherine	Old Harbour	PUMPKIN (BODLES GLOBE)	21.84
St. Catherine	Old Harbour	HOT PEPPER (WI RED)	73.994
St. Catherine	Guy's Hill	DASHEEN	30.34
St. Catherine	Guy's Hill	IRISH POTATO	64.1
St. Catherine	Guy's Hill	CABBAGE	22.39
St. Catherine	Guy's Hill	TOMATO (PLUMMY)	42.63
St. Catherine	Guy's Hill	TOMATO (SLICING)	38.4
St. Catherine	Spanish Town	CALLALOO	24.54

St. Catherine	Spanish Town	TOMATO (SLICING)	32.88
St. Catherine	Spanish Town	HOT PEPPER (WI RED)	85.3
St. Catherine	Spanish Town	SWEET PEPPER	28.96
St. Catherine	Spanish Town	PAW-PAW	30.54
St. Catherine	Linstead	CALLALOO	26.22
St. Catherine	Linstead	PINEAPPLE (SUGAR LOAF)	25.02
St. Elizabeth	Ginger Hill	PINEAPPLE (COW BOY)	43.19
St. Elizabeth	Malvern	BROCCOLI	103.94
St. Elizabeth	Malvern	SWEET PEPPER	68.86
St. Elizabeth	Malvern	TOMATO (PLUMMY)	38.8
St. Elizabeth	Malvern	CARROT	44.07
St. Elizabeth	Malvern	IRISH POTATO	62.62
St. Elizabeth	Malvern	SWEET POTATO	20.35
St. Elizabeth	Malvern	WATERMELON	20.77
St. Elizabeth	Malvern	CABBAGE	32.9
St. Elizabeth	Pedro Plain	CANTALOUPE	79.62
St. Elizabeth	Pedro Plain	WATERMELON	57.62
St. Elizabeth	Pedro Plain	HONEY DEW MELON	65.35
St. Elizabeth	Pedro Plain	ESCALLION	113.9
St. Elizabeth	Southfield	BROCCOLI	38.83
St. Elizabeth	Southfield	CARROT	56.94
St. Elizabeth	Southfield	SWEET PEPPER	45.11
St. Elizabeth	Southfield	TOMATO (SLICING)	45.09
St. Elizabeth	Santa Cruz	PEANUT per bushel	1273.4
St. Elizabeth	Santa Cruz	BITTER CASSAVA	29.44
St. Elizabeth	Santa Cruz	HOT PEPPER	57.2
St. Elizabeth	Santa Cruz	PUMPKIN (NATIVE)	23.58
St. Elizabeth	Braes River	DASHEEN	17.2
St. Elizabeth	Junction	WATERMELON	61.47
St. Elizabeth	Junction	TOMATO (SLICING)	34.51
St. Elizabeth	Junction	CUCUMBER	44.1
St. Elizabeth	Junction	ESCALLION	70.56
St. Elizabeth	Junction	THYME	122.48
St. James	Anchovy	IRISH POTATO	81.4
St. James	Anchovy	CABBAGE	34.58
St. James	Anchovy	LETTUCE	36.84
St. James	Anchovy	CALLALOO	67.39
St. James	Anchovy	CABBAGE	52.63
St. James	Maroon Town	GINGER	58.11
St. James	Maroon Town	COCO	25.19
St. James	Maroon Town	DASHEEN	19.49
St. James	Maroon Town	CABBAGE	26.92
St. James	Maroon Town	YELLOW YAM	34.83
St. James	Catadupa	PINEAPPLE (COW BOY)	22.4
St. James	Catadupa	PAW-PAW	26.93
St. Mary	Annotto Bay	SWEET POTATO	18.98
St. Mary	Annotto Bay	PUMPKIN (BODLES GLOBE)	14.74

St. Mary	Annotto Bay	SCOTCH BONNET PEPPER	75.63
St. Mary	Annotto Bay	HORSE PLANTAIN	39.19
St. Mary	Annotto Bay	CABBAGE	17.51
St. Mary	Gayle	CABBAGE	22.06
St. Mary	Gayle	SWEET POTATO	18.94
St. Mary	Gayle	YELLOW YAM	43.08
St. Mary	Gayle	IRISH POTATO	42.26
St. Mary	Gayle	PUMPKIN (NATIVE)	15.57
St. Thomas	Bath	SCOTCH BONNET PEPPER	55.05
St. Thomas	Bath	HOT PEPPER (WI RED)	53.74
St. Thomas	Bath	ONION	103.66
St. Thomas	Bath	GINGER	81.88
St. Thomas	Seaforth	CALLALOO	22.92
St. Thomas	Seaforth	GUNGO PEA	78.12
St. Thomas	Seaforth	CABBAGE	22.52
St. Thomas	Seaforth	TOMATO (PLUMMY)	26.9
St. Thomas	Seaforth	CUCUMBER	44.95
St. Thomas	Morant Bay	SWEET CASSAVA	22.2
St. Thomas	Morant Bay	HORSE PLANTAIN	33.38
Trelawny	Albert Town	NEGRO YAM	37.45
Trelawny	Albert Town	YELLOW YAM	44.87
Trelawny	Albert Town	CABBAGE	23
Trelawny	Albert Town	IRISH POTATO	59.73
Trelawny	Albert Town	TOMATO (SLICING)	35.26
Trelawny	Albert Town	CARROT	17.29
Trelawny	Albert Town	HOT PEPPER (WI RED)	58.58
Trelawny	Jackson Town	SWEET CORN per dozen	287.03
Trelawny	Jackson Town	YELLOW YAM	26.79
Trelawny	Jackson Town	SWEET POTATO	21.75
Trelawny	Lowe River	GINGER	78.13
Trelawny	Lowe River	YELLOW YAM	36.25
Trelawny	Lowe River	NEGRO YAM	37.78
Trelawny	Lowe River	IRISH POTATO	52.49
Trelawny	Falmouth	SCOTCH BONNET PEPPER	42.62
Trelawny	Falmouth	ONION	81.35
Trelawny	Falmouth	CARROT	28.17
Westmoreland	Savanna-la-mar	HOT PEPPER (WI RED)	49.01
Westmoreland	Savanna-la-mar	SCOTCH BONNET PEPPER	60.56
Westmoreland	Savanna-la-mar	DASHEEN	19.64
Westmoreland	New Works	IRISH POTATO	57.01
Westmoreland	New Works	CARROT	53.97
Westmoreland	New Works	TOMATO (PLUMMY)	32.38
Westmoreland	Darliston	CABBAGE	24.93
Westmoreland	Darliston	IRISH POTATO	34.98
Westmoreland	Darliston	SWEET PEPPER	103.59
Westmoreland	Leamington	DASHEEN	25.91
Westmoreland	Leamington	PINEAPPLE (MD2)	21.56



Westmoreland	Leamington	HORSE PLANTAIN	21.25
Westmoreland	Little London	DASHEEN	13.5
Westmoreland	Little London	PUMPKIN (BODLES GLOBE)	20.01
Westmoreland	Little London	TOMATO (SLICING)	33.04
Westmoreland	Little London	SWEET PEPPER	40.61
Westmoreland	Little London	CABBAGE	26.87

Clarendon

May Pen

Spaldings

Kellits

Thompson Town

COST OF PRODUCTION ESTIMATE FOR PAW-PAW

Parish	Clarendon					
Extension Area	May Pen					
Crop Maturity	330 days					
Reaping Period	4 Years					
Planting Distance in cm (l x w)	152.5 cm	x	274.5 cm	5 ft	x	9 ft
Planting Density @ 0.4 hectare	968					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1200					
Projected Marketable Yield (Kg)	13636					
Cost of Production \$/Kg	23.56					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	5000	5000
Lining Irrigation Hose	MD	2	1200	2400
Transplanting	MD	7	1200	8400
Pest Management	MD	20	1200	24000
Weeding	MD	4	1200	4800
Fertilising	MD	4	1200	4800
Harvesting	MD	37	1200	44400
Lunch	MD	74	200	14800

SUBTOTAL 118600

**Material Inputs**

Planting Material	10000
Insecticide	10000
Water	25700
Fungicide	10000
Fertiliser	45000
Herbicide	4500

SUBTOTAL 105200

**Other Costs**

Transportation	10 % of material	10520
Contingencies	10 % of labour and material	22380
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	33570

SUBTOTAL 97470

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 321270

COST OF PRODUCTION ESTIMATE FOR CALLALOO

Parish	Clarendon
Extension Area	May Pen
Crop Maturity	35 days
Reaping Period	6 Months
Planting Distance in cm (l x w)	30.5 cm x 91.5 cm 1 ft x 3 ft
Planting Density @ 0.4 hectare	14520
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	18182
Cost of Production \$/Kg	16.15

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	2	1200	2400
Transplanting	MD	8	1200	9600
Pest Management	MD	24	1200	28800
Weeding	MD	9	1200	10800
Fertilising	MD	9	1200	10800
Harvesting	MD	37	1200	44400
Lunch	MD	89	200	17800

SUBTOTAL 138600

**Material Inputs**

Planting Material	1000
Insecticide	6000
Water	7500
Fungicide	2500
Fertiliser	27000
Herbicide	4500

SUBTOTAL 48500

**Other Costs**

Transportation	10 % of material	4850
Contingencies	10 % of labour and material	18710
**Tools discounted for 5 years	(fork,hoe,shovel,maschette etc)	50000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	28065

SUBTOTAL 106625

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 293725

COST OF PRODUCTION ESTIMATE FOR CUCUMBER

Parish	Clarendon
Extension Area	May Pen
Crop Maturity	42 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	91.5 cm x 61 cm 3 ft x 2 ft
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	6818
Cost of Production \$/Kg	32.79

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	3000	3000
Lining Irrigation Hose	MD	2	1200	2400
Prepare Planting Material	MD	3	1200	3600
Transplanting	MD	4	1200	4800
Stake and Tie	MD	4	1200	4800
Pest Management	MD	10	1200	12000
Weeding	MD	8	1200	9600
Fertilising	MD	9	1200	10800
Harvesting	MD	15	1200	18000
Lunch	MD	55	250	13750
<b>SUBTOTAL</b>				<u><u>92750</u></u>

Material Inputs	Total Cost
Planting Material	4000
Potting Mixture	4100
Seed Trays	4500
Water	8000
Insecticide	10000
Fungicide	5000
Fertiliser	15000
Herbicide	3200
<b>SUBTOTAL</b>	<u><u>53800</u></u>

Other Costs	Total Cost
Transportation	10 % of material 5380
Contingencies	10 % of labour and material 14655
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)	30000
Land Charges per crop cycle	0.4 hectare 5000
Supervision	15% of labour and material 21982.5
<b>SUBTOTAL</b>	<u><u>77017.5</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>223568</u></u>

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER (WI RED)

Parish	Clarendon
Extension Area	May Pen
Crop Maturity	84 days
Reaping Period	10 Months
Planting Distance in cm (l x w)	91.5 cm x 61 cm 3 ft x 2 ft
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Fertigation
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	20455
Cost of Production \$/Kg	69.60

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	6000	6000
Harrowing	tractor	1	6000	6000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	3	1200	3600
Planting	MD	10	1200	12000
Stake and Tie	MD	4	1200	4800
Pest Management	MD	40	1200	48000
Weeding	MD	45	1200	54000
Fertilising	MD	6	1200	7200
Harvesting (pick and de-stem)	CW	100	3000	300000
Lunch	MD	106	250	26500
<b>SUBTOTAL</b>				<b><u>472100</u></b>
<b>Material Inputs</b>				
Planting Material				72600
Water				15000
Insecticide				200000
Fungicide				60000
Fertiliser				200000
Herbicide				18000
<b>SUBTOTAL</b>				<b><u>565600</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			56560
Contingencies	10 % of labour and material			103770
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			60000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			155655
<b>SUBTOTAL</b>				<b><u>385985</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>1423685</u></b>

COST OF PRODUCTION ESTIMATE FOR TOMATO (PLUMMY)

Parish	Clarendon
Extension Area	May Pen
Crop Maturity	70 days
Reaping Period	2 Months
Planting Distance in cm (l x w)	30.5 cm x 122 cm 1 ft x 4 ft
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Fertigation
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	13636
Cost of Production \$/Kg	62.41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	6000	6000
Harrowing	tractor	1	6000	6000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	3	1200	3600
Nursery Operations	MD	3	1200	3600
Transplanting	MD	10	1200	12000
Stake and Tie	MD	30	1200	36000
Pest Management	MD	14	1200	16800
Weeding	MD	11	1200	13200
Fertilising	MD	2	1200	2400
Harvesting	MD	30	1200	36000
Lunch	MD	103	250	25750

SUBTOTAL 165350

Material Inputs	Total Cost
Planting Material	64400
Water	10000
Insecticide	150000
Fungicide	45000
Fertiliser	150000
Herbicide	6000

SUBTOTAL 425400

Other Costs	Total Cost	
Transportation	10 % of material	42540
Contingencies	10 % of labour and material	59075
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	60000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	88612.5

SUBTOTAL 260228

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 850978

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (NATIVE)

Parish	Clarendon
Extension Area	May Pen
Crop Maturity	90 days
Reaping Period	2 Months
Planting Distance in cm (l x w)	305 cm x 91.5 cm 10 ft x 3 ft
Planting Density @ 0.4 hectare	1452
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	9091
Cost of Production \$/Kg	26.48

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	6000	6000
Harrowing	tractor	1	6000	6000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	2	1200	2400
Planting	MD	2	1200	2400
Pest Management	MD	5	1200	6000
Weeding	MD	8	1200	9600
Fertilising	MD	6	1200	7200
Harvesting	MD	10	1200	12000
Lunch	MD	33	250	8250

SUBTOTAL 63850

**Material Inputs**

Planting Material	800
Water	3500
Insecticide	50000
Fungicide	15000
Fertiliser	20000
Herbicide	4000

SUBTOTAL 93300

**Other Costs**

Transportation	10 % of material	9330
Contingencies	10 % of labour and material	15715
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		30000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	23572.5

SUBTOTAL 83617.5

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 240768



COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	Clarendon
Extension Area	Spaldings
Crop Maturity	120 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	30.5 cm x 61 cm 1 ft x 2 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	15909
Cost of Production \$/Kg	23.93

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	25000	75000
Ploughing	MD	15	1500	22500
Furrowing	MD	7	1500	10500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	12	1500	18000
Pest Management	MD	18	1500	27000
Weeding	MD	11	1500	16500
Fertilising	MD	3	1500	4500
Harvesting	MD	18	1500	27000
Lunch	MD	90	250	22500

SUBTOTAL 228000

**Material Inputs**

Planting Material	8500
Insecticide	15000
Fungicide	6000
Fertiliser	28000
Herbicide	1500

SUBTOTAL 59000

**Other Costs**

Transportation	10 % of material	5900
Contingencies	10 % of labour and material	28700
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	43050

SUBTOTAL 93650

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 380650

COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	Clarendon
Extension Area	Spaldings
Crop Maturity	300 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	213.5 cm x 183 cm 7 ft x 6 ft
Planting Density @ 0.4 hectare	1037
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	6818
Cost of Production \$/Kg	64.17

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	25000	75000
Ploughing	MD	20	1500	30000
Make Mounds	MD	20	1500	30000
Planting	MD	6	1500	9000
Stake and Tie	MD	10	1500	15000
Pest Management	MD	4	1500	6000
Weeding	MD	20	1500	30000
Fertilising	MD	3	1500	4500
Harvesting	MD	30	1500	45000
Lunch	MD	116	250	29000

SUBTOTAL 273500

**Material Inputs**

Planting Material	*	8500
Stakes	*	17500
Insecticide		7500
Fungicide		6000
Fertiliser		18000
Herbicide		1500

SUBTOTAL 59000

**Other Costs**

Transportation	10 % of material	5900
Contingencies	10 % of labour and material	33250
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	49875

SUBTOTAL 105025

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 437525

**COST OF PRODUCTION ESTIMATE FOR CABBAGE**

Parish	Clarendon			
Extension Area	Kellits			
Crop Maturity	3 Months			
Reaping Period	1 Month			
Planting Distance in cm (l x w)	38.125 cm	x	38.125 cm	1.25 ft x 1.25 ft
Planting Density @ 0.4 hectare	27878			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield (Kg)	16157			
Cost of Production \$/Kg	25.36			

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	20	1500	30000
Furrowing	MD	12	1500	18000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	12	1500	18000
Fertilising	MD	1	1500	1500
Weeding	MD	30	1500	45000
Pest Management	MD	12	1500	18000
Harvesting	MD	16	1500	24000
Lunch	MD	116	300	34800
<b>SUBTOTAL</b>				<u><u>208800</u></u>
<b>Material Inputs</b>				
Planting Material				20000
Herbicide				2200
Insecticide				27500
Fungicide				9000
Fertiliser				48200
<b>SUBTOTAL</b>				<u><u>106900</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			10690
Contingencies	10 % of labour and material			31570
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			2000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			47355
<b>SUBTOTAL</b>				<u><u>94115</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>409815</u></u>

**COST OF PRODUCTION ESTIMATE FOR YELLOW YAM**

Parish	Clarendon
Extension Area	Kellits
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	183 cm x 183 cm 6 ft x 6 ft
Planting Density @ 0.4 hectare	1210
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	10227
Cost of Production \$/Kg	48.10

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Ploughing	CW	10	9000	90000
Dig Holes	CW	1	80	80000
Prepare Planting Material	MD	4	1500	6000
Planting	MD	3	1500	4500
Fertilising	MD	1	1500	1500
Weeding	MD	12	1500	18000
Stake and Tie	MD	8	1500	12000
Harvesting	MD	36	1500	54000
Lunch	MD	79	300	23700
<b>SUBTOTAL</b>				<u><u>312200</u></u>
<b>Material Inputs</b>				
Planting Material	*			24000
Herbicide				4600
Fertiliser				8600
Stakes	*			30000
<b>SUBTOTAL</b>				<u><u>67200</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			6720
Contingencies	10 % of labour and material			37940
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			56910
<b>SUBTOTAL</b>				<u><u>112570</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>491970</u></u>

**COST OF PRODUCTION ESTIMATE FOR GINGER**

Parish	Clarendon				
Extension Area	Kellits				
Crop Maturity	12 Months				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	30.5 cm	x	15.25 cm	1 ft	x 0.5 ft
Planting Density @ 0.4 hectare	87120				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield	17273				
Cost of Production \$/Kg	37.90				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	12	3000	36000
Ploughing	CW	12	7000	84000
Planting	CW	13	7000	91000
Furrowing	MD	6	1500	9000
Prepare Planting Material	MD	5	1500	7500
Fertilising	MD	3	1500	4500
Weeding	MD	50	1500	75000
Pest Management	MD	1	1500	1500
Harvesting	MD	45	1500	67500
Lunch	MD	110	300	33000
<b>SUBTOTAL</b>				<u><u>409000</u></u>
<b>Material Inputs</b>				
Planting Material	*			20000
Fungicide				13500
Fertiliser				64500
<b>SUBTOTAL</b>				<u><u>98000</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			9800
Contingencies	10 % of labour and material			50700
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			76050
<b>SUBTOTAL</b>				<u><u>147550</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>654550</u></u>

**COST OF PRODUCTION ESTIMATE FOR LETTUCE**

Parish	Clarendon
Extension Area	Kellits
Crop Maturity	2.5 Months
Reaping Period	2 weeks
Planting Distance in cm (l x w)	30.5 cm x 30.5 cm 1 ft x 1 ft
Planting Density @ 0.4 hectare	43560
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	16830
Cost of Production \$/Kg	27.23

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	40	1500	60000
Furrowing	MD	12	1500	18000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	12	1500	18000
Fertilising	MD	1	1500	1500
Weeding	MD	60	1500	90000
Pest Management	MD	16	1500	24000
Harvesting	MD	18	1500	27000
Lunch	MD	172	300	51600
<b>SUBTOTAL</b>				<u><u>309600</u></u>
<b>Material Inputs</b>				
Planting Material				4200
Insecticide				2700
Fungicide				13550
Fertiliser				29000
<b>SUBTOTAL</b>				<u><u>49450</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			4945
Contingencies	10 % of labour and material			35905
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			2000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			53858
<b>SUBTOTAL</b>				<u><u>99208</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>458258</u></u>

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	Clarendon				
Extension Area	Thompson Town				
Crop Maturity	3 months				
Reaping Period	3 weeks				
Planting Distance in cm (l x w)	45.75 cm	x	30.5 cm	1.5 ft	x 1 ft
Planting Density @ 0.4 hectare	29040				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	19000				
Cost of Production \$/Kg	28.59				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	10000	10000
Ploughing	CW	10	10000	100000
Nursery Operations	MD	2	1200	2400
Transplanting	MD	25	1200	30000
Pest Management	MD	72	1200	86400
Weeding	MD	30	1200	36000
Fertilising	MD	7	1200	8400
Harvesting	MD	30	1200	36000
lunch	MD	166	300	49800

SUBTOTAL 359000

**Material Inputs**

Planting Material	16200
Herbicide	6290
Fertiliser	22000
Insecticide	19200

SUBTOTAL 63690

**Other Costs**

Transportation	10 % of material	6369
Contingencies	10 % of labour and material	42269
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	63404

SUBTOTAL 120542

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 543232

COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	Clarendon
Extension Area	Thompson Town
Crop Maturity	3 months
Reaping Period	3.5 Months
Planting Distance in cm (l x w)	broadcast
Planting Density @ 0.4 hectare	n/a
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	4091
Cost of Production \$/Kg	56.23

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1200	9600
Ploughing	MD	30	1200	36000
Maintain Trench	MD	4	1200	4800
Planting	MD	3	1200	3600
Weeding	MD	12	1200	14400
Fertilising	MD	1	1200	1200
Harvesting	MD	30	1200	36000
Lunch	MD	88	300	26400

SUBTOTAL 132000

**Material Inputs**

Planting Material	10200
Fertiliser	21500
Insecticide	7400
Herbicide	2790

SUBTOTAL 41890

**Other Costs**

Transportation	10 % of material	4189
Contingencies	10 % of labour and material	17389
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	26084

SUBTOTAL 56162

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 230052



COST OF PRODUCTION ESTIMATE FOR SWEET CASSAVA

Parish	Clarendon				
Extension Area	Thompson Town				
Crop Maturity	11 MONTHS				
Reaping Period	3 weeks				
Planting Distance in cm (l x w)	122 cm	x	91.5 cm	4 ft	x 3 ft
Planting Density @ 0.4 hectare	3630				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	16500				
Cost of Production \$/Kg	12.36				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	18	1200	21600
Ploughing	CW	5	2000	10000
Furrowing	CW	5	2000	10000
Prepare Planting Material	MD	2	1200	2400
Planting	MD	3	1200	3600
Weeding	MD	6	1200	7200
Harvesting	MD	24	1200	28800
lunch	MD	53	300	15900
<b>SUBTOTAL</b>				<u><u>99500</u></u>
<b>Material Inputs</b>				
Planting Material	*			12000
Fertiliser				36000
Herbicide				4700
<b>SUBTOTAL</b>				<u><u>52700</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			5270
Contingencies	10 % of labour and material			15220
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)				6000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			22830
<b>SUBTOTAL</b>				<u><u>51820</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>204020</u></u>

**COST OF PRODUCTION ESTIMATE FOR YELLOW YAM**

Parish	Clarendon				
Extension Area	Thompson Town				
Crop Maturity	11 months				
Reaping Period	3 weeks				
Planting Distance in cm (l x w)	213.5 cm	x	183 cm	7 ft	x 6 ft
Planting Density @ 0.4 hectare	1037				
Terrain	Hillside Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	7071				
Cost of Production \$/Kg	34.53				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1200	2400
Make Mounds	MD	25	1200	30000
Maintain Trench	MD	2	1200	2400
Prepare Planting Material	MD	2	1200	2400
Planting	MD	6	1200	7200
Stake and Tie	MD	5	1500	7500
Weeding	MD	20	1200	24000
Fertilising	MD	2	1200	2400
Harvesting	MD	20	1200	24000
Lunch	MD	84	300	25200
<b>SUBTOTAL</b>				<u><u>127500</u></u>

<b>Material Inputs</b>		Total Cost
Planting Material	*	15000
Fertiliser		35840
Herbicide		5700
Stakes	*	15000
<b>SUBTOTAL</b>		<u><u>56540</u></u>

<b>Other Costs</b>		Total Cost
Transportation	10 % of material	5654
Contingencies	10 % of labour and material	18404
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	27606
<b>SUBTOTAL</b>		<u><u>60164</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>244204</u></u>

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	Clarendon				
Extension Area	Thompson Town				
Crop Maturity	12 months				
Reaping Period	2 months				
Planting Distance in cm (l x w)	30.5 cm	x	30.5 cm	1 ft	x 1 ft
Planting Density @ 0.4 hectare	43560				
Terrain	Hillside farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	9091				
Cost of Production \$/Kg	33.11				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	20	1200	24000
Ploughing	MD	20	1200	24000
Harrowing	MD	10	1200	12000
Maintain Trench	MD	3	1200	3600
Planting	MD	8	1200	9600
Weeding	MD	10	1200	12000
Fertilising	MD	4	1200	4800
Harvesting	MD	20	1200	24000
Lunch	MD	95	300	28500
<b>SUBTOTAL</b>				<u><u>142500</u></u>
<b>Material Inputs</b>				
Planting Material				35000
Herbicide				4700
Fertiliser				45000
<b>SUBTOTAL</b>				<u><u>84700</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			8470
Contingencies	10 % of labour and material			22720
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			34080
<b>SUBTOTAL</b>				<u><u>73770</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>300970</u></u>

COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	Clarendon				
Extension Area	Thompson Town				
Crop Maturity	3 months				
Reaping Period	3 weeks				
Planting Distance in cm (l x w)	61 cm	x	30.5 cm	2 ft	x 1 ft
Planting Density @ 0.4 hectare	21780				
Terrain	Hillside Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	14545				
Cost of Production \$/Kg	27.73				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1200	6000
Ploughing	MD	20	1200	24000
Furrowing	MD	24	1200	28800
Maintain Trench	MD	4	1200	4800
Prepare Planting Material	MD	2	1200	2400
Planting	MD	10	1200	12000
Pest Management	MD	12	1200	14400
Weeding	MD	4	1200	4800
Harvesting	MD	30	1200	36000
Lunch	MD	111	300	33300

SUBTOTAL

166500

**Material Inputs**

Planting Material	50000
Fertiliser	44800
Insecticide	16000
Fungicide	25000
Herbicide	4700

SUBTOTAL

140500

**Other Costs**

Transportation	10 % of material	14050
Contingencies	10 % of labour and material	30700
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	46050

SUBTOTAL

96300

TOTAL OPERATING EXPENDITURE PER CROP CYCLE

403300

**COST OF PRODUCTION ESTIMATE FOR TOMATO (SLICING)**

Parish	Clarendon				
Extension Area	Thompson Town				
Crop Maturity	3 months				
Reaping Period	2 months				
Planting Distance in cm (l x w)	61 cm	x	91.5 cm	2 ft	x 3 ft
Planting Density @ 0.4 hectare	7260				
Terrain	Hillside Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	26400				
Cost of Production \$/Kg	17.48				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1200	8400
Dig Holes	MD	25	1200	30000
Maintain Trench	MD	2	1200	2400
Nursery Operations	MD	2	1200	2400
Transplanting	MD	20	1200	24000
Pest Management	MD	30	1200	36000
Weeding	MD	16	1200	19200
Fertilising	MD	5	1200	6000
Harvesting	MD	36	1200	43200
Lunch	MD	143	300	42900

**SUBTOTAL**

214500

**Material Inputs**

Planting Material	5200
Seed Trays	4800
Potting Mixture	7200
Fertiliser	80000
Fungicide	25000
Insecticide	10000
Herbicide	4700

**SUBTOTAL**

136900

**Other Costs**

Transportation	10 % of material	13690
Contingencies	10 % of labour and material	35140
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	52710

**SUBTOTAL**

110040

**TOTAL OPERATING EXPENDITURE PER CROP CYCLE**

461440

Hanover

Lucea

Green Island

Hopewell

Cascade

Miles Town

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER (WI RED)

Parish	Hanover					
Extension Area	Luca					
Crop Maturity	90 days					
Reaping Period	12 Months					
Planting Distance in cm (l x w)	91.5 cm	x	152.5 cm	3 ft	x	5 ft
Planting Density @ 0.4 hectare	2904					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	11364					
Cost of Production \$/Kg	58.38					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	5	4500	22500
Ploughing	MD	15	1500	22500
Furrowing	MD	10	1100	11000
Furrowing	MD	10	1100	11000
Lining Irrigation Hose	MD	4	1500	6000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	6	1500	9000
Pest Management	MD	48	1500	72000
Weeding	MD	18	1500	27000
Fertilising	MD	15	1500	22500
Harvesting (pick and de-stem)	MD	60	1500	90000
Lunch	MD	196	300	58800

SUBTOTAL 359800

**Material Inputs**

Planting Material	1500
Seed Trays	4000
Fertiliser	55000
Fungicide	25000
Insecticide	45000
Herbicide	4800

SUBTOTAL 135300

**Other Costs**

Transportation	10 % of material	13530
Contingencies	10 % of labour and material	49510
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	74265

SUBTOTAL 168305

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 663405

COST OF PRODUCTION ESTIMATE FOR SCOTCH BONNET PEPPER

Parish	Hanover					
Extension Area	Lucea					
Crop Maturity	90 days					
Reaping Period	12 Months					
Planting Distance in cm (l x w)	152.5 cm	x	91.5 cm	5 ft	x	3 ft
Planting Density @ 0.4 hectare	2904					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	9545.5					
Cost of Production \$/Kg	68.977					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	5	4500	40000
Ploughing	MD	15	1500	22500
Harrowing	MD	10	1500	15000
Furrowing	MD	10	1100	11000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	5	1500	7500
Pest Management	MD	50	1500	75000
Weeding	MD	5	1200	6000
Fertilising	MD	18	1500	27000
Harvesting	MD	50	1500	75000
Lunch	MD	172	300	51600

SUBTOTAL 336600

**Material Inputs**

Planting Material	30000
Fertiliser	70000
Insecticide	35000
Fungicide	20000
Herbicide	9200

SUBTOTAL 164200

**Other Costs**

Transportation	10 % of material	16420
Contingencies	10 % of labour and material	50080
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	75120

SUBTOTAL 157620

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 658420



COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	Hanover					
Extension Area	Lucea					
Crop Maturity	300 days					
Planting Distance in cm (l x w)	152.5 cm	x	213.5 cm	5 ft	x	7 ft
Planting Density @ 0.4 hectare	1244.6					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	8485.7					
Cost of Production \$/Kg	43.099					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	10	1500	15000
Make Mounds	CW	15	2000	30000
Planting	MD	15	1500	22500
Trellising	MD	13	1500	19500
Transplanting	MD	32	1500	48000
Weeding	MD	12	1500	18000
Pest Management	MD	6	1500	9000
Fertilising	MD	4	1500	6000
Harvesting	MD	20	1500	30000
Lunch	MD	112	250	28000
<b>SUBTOTAL</b>				<u><b>226000</b></u>

Material Inputs		
Planting Material	*	5000
Fertiliser		20000
Stakes	*	20000
Fungicide		5000
Herbicide		3500
<b>SUBTOTAL</b>		<u><b>53500</b></u>

Other Costs		
Transportation	10 % of material	5350
Contingencies	10 % of labour and material	27950
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	41925
<b>SUBTOTAL</b>		<u><b>86225</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><b>365725</b></u>

COST OF PRODUCTION ESTIMATE FOR NEGRO YAM

Parish	Hanover					
Extension Area	Lucea					
Crop Maturity	300 days					
Planting Distance in cm (l x w)	152.5 cm	x	213.5 cm	5 ft	x	7 ft
Planting Density @ 0.4 hectare	1244.6					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	11314					
Cost of Production \$/Kg	32.324					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	10	1500	15000
Make Mounds	CW	15	2000	30000
Planting	MD	15	1500	22500
Trellising	MD	13	1500	19500
Transplanting	MD	32	1500	48000
Weeding	MD	12	1500	18000
Pest Management	MD	6	1500	9000
Fertilising	MD	4	1500	6000
Harvesting	MD	20	1500	30000
Lunch	MD	112	250	28000
<b>SUBTOTAL</b>				<u><b>226000</b></u>

Material Inputs		
Planting Material	*	5000
Fertiliser		20000
Stakes	*	20000
Fungicide		5000
Herbicide		3500
<b>SUBTOTAL</b>		<u><b>53500</b></u>

Other Costs		
Transportation	10 % of material	5350
Contingencies	10 % of labour and material	27950
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	41925
<b>SUBTOTAL</b>		<u><b>86225</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><b>365725</b></u>

COST OF PRODUCTION ESTIMATE FOR HORSE PLANTAIN

Parish	Hanover					
Extension Area	Green Island					
Crop Maturity	300 days					
Reaping Period	Indefinite					
Planting Distance in cm (l x w)	305 cm	x	305 cm	10 ft	x	10 ft
Planting Density @ 0.4 hectare	436					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	5454.5					
Cost of Production \$/Kg	21.051					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Dig Holes	CW	1	4400	4400
Prepare Planting Material	MD	3	1500	4500
Planting	MD	3	1500	4500
Weeding	MD	4	1500	6000
Pest Management	MD	3	1500	4500
Fertilising	MD	2	1500	3000
Harvesting	CW	43	500	21500
Lunch	MD	16	250	4000
<b>SUBTOTAL</b>				<u>55400</u>

Material Inputs		Total Cost
Planting Material	*	2610
Fertiliser		11000
Insecticide		5000
Fungicide		3500
Herbicide		3500
<b>SUBTOTAL</b>		<u>25610</u>

Other Costs		Total Cost
Transportation	10 % of material	2561
Contingencies	10 % of labour and material	8101
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	12152
<b>SUBTOTAL</b>		<u>33814</u>

**TOTAL OPERATING EXPENDITURE PER CROP CYCLE** 114824

COST OF PRODUCTION ESTIMATE FOR SCOTCH BONNET PEPPER

Parish	Hanover					
Extension Area	Green Island					
Crop Maturity	110 days					
Reaping Period	12 Months					
Planting Distance in cm (l x w)	152.5 cm	x	122 cm	5 ft	x	4 ft
Planting Density @ 0.4 hectare	2178					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	13636					
Cost of Production \$/Kg	47.663					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	MD	20	1500	30000
Dig Holes	MD	5	1500	7500
Planting	MD	4	1500	6000
Pest Management	MD	18	1100	19800
Weeding	MD	15	1500	22500
Transplanting	MD	5	1500	7500
Pest Management	MD	50	1500	75000
Weeding	MD	5	1200	6000
Fertilising	MD	18	1500	27000
Harvesting	MD	50	1500	75000
Lunch	MD	193	300	57900

SUBTOTAL 338700

**Material Inputs**

Planting Material	21780
Fertiliser	70000
Insecticide	35000
Fungicide	20000
Herbicide	9200

SUBTOTAL 155980

**Other Costs**

Transportation	10 % of material	15598
Contingencies	10 % of labour and material	49468
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	74202

SUBTOTAL 155268

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 649948

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	Hanover					
Extension Area	Green Island					
Crop Maturity	210 days					
Reaping Period	6 Months					
Planting Distance in cm (l x w)	61 cm	x	61 cm	2 ft	x	2 ft
Planting Density @ 0.4 hectare	10890					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	7560					
Cost of Production \$/Kg	28.724					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	MD	10	1500	15000
Harrowing	MD	10	1500	15000
Furrowing	MD	6	1500	9000
Prepare Planting Material	MD	6	1500	9000
Planting	MD	10	1500	15000
Pest Management	MD	4	1100	4400
Fertilising	MD	2	1500	3000
Weeding	MD	4	1500	6000
Harvesting	MD	12	1300	15600
Lunch	MD	66	300	19800

SUBTOTAL 114800

**Material Inputs**

Planting Material	*	10000
Insecticide		3000
Fungicide		2000
Fertiliser		9000
Herbicide		15000

SUBTOTAL 39000

**Other Costs**

Transportation	10 % of material	3900
Contingencies	10 % of labour and material	15380
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	15000
Supervision	15% of labour and material	23070

SUBTOTAL 63350

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 217150

COST OF PRODUCTION ESTIMATE FOR STRING BEAN

Parish	Hanover					
Extension Area	Hopewell					
Crop Maturity	2 Months					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	61 cm	x	61 cm	2 ft	x	2 ft
Planting Density @ 0.4 hectare	10890					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	2000					
Projected Marketable Yield (Kg)	3000					
Cost of Production \$/Kg	113.31					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	2000	10000
Dig Holes	MD	20	2000	40000
Planting	MD	8	2000	16000
Fertilising	MD	3	2000	6000
Weeding	MD	16	2000	32000
Pest Management	MD	8	2000	16000
Harvesting	MD	12	2000	24000
Lunch	MD	72	300	21600

SUBTOTAL 165600

**Material Inputs**

Planting Material	10000
Herbicide	2500
Insecticide	24000
Fungicide	24000
Fertiliser	35000

SUBTOTAL 95500

**Other Costs**

Transportation	10 % of material	9550
Contingencies	10 % of labour and material	26110
**Tools discounted for 5 years	(fork, hoe, shovel, machete etc)	2000
Land Charges per crop cycle	0.4 hectare	2000
Supervision	15% of labour and material	39165

SUBTOTAL 78825

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 339925

**COST OF PRODUCTION ESTIMATE FOR CABBAGE**

Parish	Hanover					
Extension Area	Hopewell					
Crop Maturity	3 Months					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	61 cm	x	61 cm	2 ft	x	2 ft
Planting Density @ 0.4 hectare	10890					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	2000					
Projected Marketable Yield (Kg)	11850					
Cost of Production \$/Kg	25.13					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	2000	16000
Ploughing	MD	20	2000	40000
Dig Holes	MD	13	2000	26000
Nursery Operations	MD	1	2000	2000
Transplanting	MD	6	2000	12000
Fertilising	MD	1	2000	2000
Weeding	MD	2	2000	4000
Pest Management	MD	4	2000	8000
Harvesting	MD	12	2000	24000
Lunch	MD	67	300	20100
<b>SUBTOTAL</b>				<u><b>154100</b></u>
<b>Material Inputs</b>				
Planting Material				7500
Herbicide				2500
Insecticide				32000
Fungicide				5600
Fertiliser				27000
<b>SUBTOTAL</b>				<u><b>74600</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			7460
Contingencies	10 % of labour and material			22870
**Tools discounted for 5 years (fork, hoe, shovel, machete etc)				2000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			34305
<b>SUBTOTAL</b>				<u><b>69135</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>297835</b></u></u>

**COST OF PRODUCTION ESTIMATE FOR SWEET PEPPER**

Parish	Hanover					
Extension Area	Hopewell					
Crop Maturity	3 Months					
Reaping Period	6 Months					
Planting Distance in cm (l x w)	61 cm	x	61 cm	2 ft	x	2 ft
Planting Density @ 0.4 hectare	10890					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	2000					
Projected Marketable Yield (Kg)	8000					
Cost of Production \$/Kg	39.74					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	2000	4000
Ploughing	MD	16	2000	32000
Dig Holes	MD	8	2000	16000
Nursery Operations	MD	3	2000	6000
Transplanting	MD	12	2000	24000
Fertilising	MD	2	2000	4000
Weeding	MD	4	2000	8000
Pest Management	MD	3	2000	6000
Harvesting	MD	22	2000	44000
Lunch	MD	72	300	21600
<b>SUBTOTAL</b>				<u>165600</u>
<b>Material Inputs</b>				
Planting Material				17000
Herbicide				3000
Insecticide				12000
Fungicide				18000
Fertiliser				24000
<b>SUBTOTAL</b>				<u>74000</u>
<b>Other Costs</b>				
Transportation	10 % of material			7400
Contingencies	10 % of labour and material			23960
**Tools discounted for 5 years (fork, hoe, shovel, machete etc)				6000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			35940
<b>SUBTOTAL</b>				<u>78300</u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>317900</u></u>



COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	Hanover				
Extension Area	Hopewell				
Crop Maturity	3 Months				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	30.5 cm	x	15.25 cm	1 ft	x 0.5 ft
Planting Density @ 0.4 hectare	87120				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	2000				
Projected Marketable Yield (Kg)	8000.00				
Cost of Production \$/Kg	30.18				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	2000	8000
Ploughing	MD	20	2000	40000
Planting	MD	2	2000	4000
Fertilising	MD	2	2000	4000
Weeding	MD	15	2000	30000
Pest Management	MD	6	2000	12000
Harvesting	MD	16	2000	32000
Lunch	MD	65	300	19500

SUBTOTAL 149500

**Material Inputs**

Planting Material	4000
Herbicide	9500
Insecticide	4500
Fungicide	1100
Fertiliser	18000

SUBTOTAL 37100

**Other Costs**

Transportation	10 % of material	3710
Contingencies	10 % of labour and material	18660
**Tools discounted for 5 years	(fork, hoe, shovel, machete etc)	2000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	27990

SUBTOTAL 54860

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 241460

COST OF PRODUCTION ESTIMATE FOR SCOTCH BONNET PEPPER

Parish	Hanover			
Extension Area	Cascade			
Crop Maturity	3 Months			
Reaping Period	9 Months			
Planting Distance in cm (l x w)	91.5 cm	x	122 cm	3 ft x 4 ft
Planting Density @ 0.4 hectare	7260			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 Hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield( Kg)	6000			
Cost of Production \$/Kg	84.87			

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	16	1500	24000
Dig Holes	MD	35	1500	52500
Maintain Trench	MD	5	1500	7500
Planting	MD	12	1500	18000
Pest Management	MD	25	1500	37500
Weeding	MD	2	1500	3000
Fertilising	MD	20	1500	30000
Harvesting	MD	40	1500	60000
Lunch	MD	155	300	46500

SUBTOTAL

279000

**Material Inputs**

Planting Material	6000
Herbicide	6700
Fertiliser	45000
Insecticide	25000
Fungicide	25000
Hose	3000

SUBTOTAL

110700

**Other Costs**

Transportation	10 % of material	11070
Contingencies	10 % of labour and material	38970
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	58455

SUBTOTAL

119495

TOTAL OPERATING EXPENDITURE PER CROP CYCLE

509195

COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	Hanover			
Extension Area	Cascade			
Crop Maturity	6 Months			
Reaping Period	2 Months			
Planting Distance in cm (l x w)	213.5 cm	x	183 cm	7 ft x 6 ft
Planting Density @ 0.4 hectare	1037.143			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield (Kg)	7500			
Cost of Production \$/Kg	56.37			

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Make Mounds	MD	45	1500	67500
Maintain Trench	MD	10	1500	15000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	5	1500	7500
Stake and Tie	MD	20	1500	30000
Fertilising	MD	3	1500	4500
Weeding	MD	15	1500	22500
Harvesting	MD	35	1500	52500
Lunch	MD	150	300	45000
<b>SUBTOTAL</b>				<u>270000</u>
<b>Material Inputs</b>				
Planting Material	*			15000
Herbicide				2500
Fertiliser				16000
Insecticide				2500
Fungicide				1500
Stakes	*			17500
<b>SUBTOTAL</b>				<u>55000</u>
<b>Other Costs</b>				
Transportation	10 % of material			5500
Contingencies	10 % of labour and material			32500
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)				6000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			48750
<b>SUBTOTAL</b>				<u>97750</u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u>422750</u>

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (NATIVE)

Parish	Hanover					
Extension Area	Miles Town					
Crop Maturity	6 months					
Reaping Period	1.5 Months					
Planting Distance in cm (l x w)	305 cm	x	305 cm	10 ft	x	10 ft
Planting Density @ 0.4 hectare	436					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield	10000					
Cost of Production \$/Kg	15.89					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	4	2500	10000
Ploughing	MD	20	1500	30000
Make Mounds	MD	7	1500	10500
Dig Holes	MD	3	1500	4500
Planting	MD	1	1500	1500
Fertilising	MD	1	1500	1500
Weeding	MD	3	1500	4500
Pest Management	MD	5	1500	7500
Harvesting (pick and de-stem)	MD	15	1500	22500
Lunch	MD	55	300	16500
<b>SUBTOTAL</b>				<u><u>109000</u></u>

Material Inputs	Total Cost
Planting Material	300
Herbicide	4500
Insecticide	3000
Fungicide	1000
Fertiliser	4300
<b>SUBTOTAL</b>	<u><u>13100</u></u>

Other Costs	Total Cost	
Transportation	10 % of material	1310
Contingencies	10 % of labour and material	12210
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	2500
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	18315
<b>SUBTOTAL</b>		<u><u>36835</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>158935</u></u>

COST OF PRODUCTION ESTIMATE FOR SCOTCH BONNET PEPPER

Parish	Hanover					
Extension Area	Miles Town					
Crop Maturity	4 months					
Reaping Period	5 Months					
Planting Distance in cm (l x w)	91.5 cm	x	91.5 cm	3 ft	x	3 ft
Planting Density @ 0.4 hectare	4840					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield	12000					
Cost of Production \$/Kg	38.29					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Dig Holes	MD	15	1500	22500
Make Mounds	MD	5	1500	7500
Transplanting	MD	6	1500	9000
Fertilising	MD	2	1500	3000
Weeding	MD	12	1500	18000
Pest Management	MD	12	1500	18000
Harvesting (pick and de-stem)	MD	75	1500	112500
Lunch	MD	131	300	39300
<b>SUBTOTAL</b>				<u><u>235800</u></u>

Material Inputs	Total Cost
Planting Material	33000
Herbicide	20000
Insecticide	16000
Fungicide	8400
Fertiliser	35000
<b>SUBTOTAL</b>	<u><u>112400</u></u>

Other Costs	Total Cost	
Transportation	10 % of material	11240
Contingencies	10 % of labour and material	34820
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	7000
Supervision	15% of labour and material	52230
<b>SUBTOTAL</b>		<u><u>111290</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>459490</u></u>

COST OF PRODUCTION ESTIMATE FOR HORSE PLANTAIN

Parish	Hanover					
Extension Area	Miles Town					
Crop Maturity	8 months					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	244 cm	x	244 cm	8 ft	x	8 ft
Planting Density @ 0.4 hectare	681					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield	7564					
Cost of Production \$/Kg	29.4					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	MD	18	2000	36000
Dig Holes	MD	4	1500	6000
Harrowing	MD	10	1500	15000
Prepare Planting Material	MD	4	1500	6000
Planting	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Weeding	MD	8	1500	12000
Pest Management	MD	4	1500	6000
Harvesting	MD	10	1500	15000
Lunch	MD	64	300	19200

SUBTOTAL

124200

**Material Inputs**

Planting Material	*	1700
Herbicide		10000
Insecticide		3500
Fungicide		3500
Fertiliser		21400

SUBTOTAL

40100

**Other Costs**

Transportation	10 % of material	4010
Contingencies	10 % of labour and material	16430
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	7000
Supervision	15% of labour and material	24645

SUBTOTAL

58085

TOTAL OPERATING EXPENDITURE PER CROP CYCLE

222385

Manchester

Mile Gully

Mandeville

Cross Keys

Christiana

**COST OF PRODUCTION ESTIMATE FOR IRISH POTATO**

Parish	Manchester				
Extension Area	Mile Gully				
Crop Maturity	90 days				
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x 2 ft
Planting Density @ 0.4 hectare	21780				
Terrain	Relatively Flat Land Farm				
Land Preparation	Mechanical				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	2955				
Cost of Production \$/Kg	64.97				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	3	1200	3600
Ploughing	tractor	1	10000	10000
Harrowing	tractor	1	10000	10000
Planting	MD	13	1200	15600
Moulding	MD	5	1200	6000
Pest Management	MD	6	1200	7200
Weeding	MD	2	1200	2400
Fertilising	MD	2	1200	2400
Harvesting	MD	10	1200	12000
Lunch	MD	41	300	12300

SUBTOTAL 81500

**Material Inputs**

Planting Material	*	12600
Fertiliser		18000
Insecticide		8000
Fungicide		20000
Herbicide		2200

SUBTOTAL 60800

**Other Costs**

Transportation	10 % of material	6080
Contingencies	10 % of labour and material	14230
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2000
Supervision	15% of labour and material	21345

SUBTOTAL 49655

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 191955



**COST OF PRODUCTION ESTIMATE FOR SWEET POTATO**

Parish	Manchester				
Extension Area	Mile Gully				
Crop Maturity	120 days				
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x 2 ft
Planting Density @ 0.4 hectare	21780				
Terrain	Relatively Flat Land Farm				
Land Preparation	Mechanical				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	13636				
Cost of Production \$/Kg	17.34				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	3	1200	3600
Ploughing	tractor	1	15000	15000
Harrowing	tractor	1	10000	10000
Furrowing	MD	10	1200	12000
Prepare Planting Material	MD	2	1200	2400
Planting	MD	6	1200	7200
Pest Management	MD	3	1200	3600
Weeding	MD	2	1200	2400
Fertilising	MD	2	1200	2400
Harvesting	MD	45	1200	54000
Lunch	MD	73	300	21900
<b>SUBTOTAL</b>				<u><u>134500</u></u>
<b>Material Inputs</b>				
Planting Material	*			2500
Fertiliser				18000
Insecticide				500
Fungicide				20000
Herbicide				3700
<b>SUBTOTAL</b>				<u><u>44700</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			4470
Contingencies	10 % of labour and material			17920
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2000
Supervision	15% of labour and material			26880
<b>SUBTOTAL</b>				<u><u>57270</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>236470</u></u>

**COST OF PRODUCTION ESTIMATE FOR CARROT**

Parish	Manchester					
Extension Area	Mile Gully					
Crop Maturity	120 days					
Planting Distance in cm (l x w)	30.5 cm	x	30.5 cm	1 ft	x	1 ft
Planting Density @ 0.4 hectare	43560					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1200					
Projected Marketable Yield (Kg)	3636					
Cost of Production \$/Kg	49.48					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1200	2400
Ploughing	tractor	1	15000	15000
Harrowing	tractor	1	15000	15000
Planting	MD	3	1200	3600
Pest Management	MD	16	1200	19200
Weeding	MD	4	1200	4800
Fertilising	MD	2	1200	2400
Harvesting	MD	12	1200	14400
Lunch	MD	39	300	11700

SUBTOTAL 88500

**Material Inputs**

Planting Material	4500
Fertiliser	22000
Insecticide	10000
Fungicide	0
Herbicide	8900

SUBTOTAL 45400

**Other Costs**

Transportation	10 % of material	4540
Contingencies	10 % of labour and material	13390
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2000
Supervision	15% of labour and material	20085

SUBTOTAL 46015

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 179915

**COST OF PRODUCTION ESTIMATE FOR CABBAGE**

Parish	Manchester				
Extension Area	Mile Gully				
Crop Maturity	90 days				
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x 2 ft
Planting Density @ 0.4 hectare	21780				
Terrain	Relatively Flat Land Farm				
Land Preparation	Mechanical				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield (Kg)	9545				
Cost of Production \$/Kg	35.84				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1200	2400
Ploughing	tractor	1	14000	14000
Dig Holes	MD	8	15000	120000
Nursery Operations	MD	3	1200	3600
Transplanting	MD	8	1200	9600
Moulding	MD	6	1200	7200
Pest Management	MD	12	1200	14400
Weeding	MD	2	1200	2400
Fertilising	MD	2	1200	2400
Harvesting	MD	17	1200	20400
Lunch	MD	60	300	18000
<b>SUBTOTAL</b>				<u><u>214400</u></u>
<b>Material Inputs</b>				
Planting Material	*			11000
Fertiliser				12000
Insecticide				20000
Fungicide				2000
Herbicide				4000
<b>SUBTOTAL</b>				<u><u>49000</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			4900
Contingencies	10 % of labour and material			26340
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2000
Supervision	15% of labour and material			39510
<b>SUBTOTAL</b>				<u><u>78750</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>342150</u></u>

**COST OF PRODUCTION ESTIMATE FOR YELLOW YAM**

Parish	Manchester					
Extension Area	Mile Gully					
Crop Maturity	300 days					
Planting Distance in cm (l x w)	213.5 cm	x	183 cm	7 ft	x	6 ft
Planting Density @ 0.4 hectare	1037					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1200					
Projected Marketable Yield (Kg)	6129					
Cost of Production \$/Kg	42.37					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1200	2400
Ploughing	tractor	1	7000	7000
Make Mounds	CW	1	30000	30000
Maintain Trench	MD	6	1200	7200
Planting	MD	5	1200	6000
Stake and Tie	MD	6	1200	7200
Weeding	MD	12	1200	14400
Fertilising	MD	2	1200	2400
Harvesting	MD	17	1200	20400
Lunch	MD	50	300	15000

SUBTOTAL 112000

**Material Inputs**

Planting Material	*	6000
Stakes	*	50000
Fertiliser		23000
Insecticide		0
Fungicide		0
Herbicide		3700

SUBTOTAL 82700

**Other Costs**

Transportation	10 % of material	8270
Contingencies	10 % of labour and material	19470
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2000
Supervision	15% of labour and material	29205

SUBTOTAL 64945

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 259645

**COST OF PRODUCTION ESTIMATE FOR CARROT**

Parish	Manchester					
Extension Area	Mandeville					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	30.5 cm	x	30.5 cm	1 ft	x	1 ft
Planting Density @ 0.4 hectare	43560					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	3182					
Cost of Production \$/Kg	57.45					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	1	7000	7000
Harrowing	tractor	1	7000	7000
Furrowing	tractor	1	6000	6000
Planting	MD	2	1500	3000
Pest Management	MD	6	1500	9000
Weeding	MD	25	1500	37500
Fertilising	MD	2	1500	3000
Harvesting	MD	6	1500	9000
Lunch	MD	43	300	12900
<b>SUBTOTAL</b>				<u><u>97400</u></u>
<b>Material Inputs</b>				
Planting Material				4000
Fertiliser				18000
Insecticide				10000
Fungicide				4000
Herbicide				3300
<b>SUBTOTAL</b>				<u><u>39300</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			3930
Contingencies	10 % of labour and material			13670
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2000
Supervision	15% of labour and material			20505
<b>SUBTOTAL</b>				<u><u>46105</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>182805</u></u>

**COST OF PRODUCTION ESTIMATE FOR IRISH POTATO**

Parish	Manchester					
Extension Area	Mandeville					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	61 cm	x	30.5 cm	2 ft	x	1 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	8182					
Cost of Production \$/Kg	42.89					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	MD	12	1500	18000
Planting	MD	4	1500	6000
Pest Management	MD	14	1500	21000
Weeding	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000
Lunch	MD	79	300	23700
<b>SUBTOTAL</b>				<u><u>152200</u></u>
<b>Material Inputs</b>				
Planting Material				54000
Fertiliser				30000
Insecticide				12100
Fungicide				13000
Herbicide				4000
<b>SUBTOTAL</b>				<u><u>113100</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			11310
Contingencies	10 % of labour and material			26530
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2000
Supervision	15% of labour and material			39795
<b>SUBTOTAL</b>				<u><u>85635</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>350935</u></u>

**COST OF PRODUCTION ESTIMATE FOR SWEET POTATO**

Parish	Manchester					
Extension Area	Mandeville					
Crop Maturity	120 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	61 cm	x	30.5 cm	2 ft	x	1 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	4091					
Cost of Production \$/Kg	42.18					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Dig Holes	CW	1	25000	25000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	6	1500	9000
Pest Management	MD	3	1500	4500
Weeding	CW	1	30000	30000
Fertilising	MD	2	1500	3000
Harvesting	MD	10	1500	15000
Lunch	MD	25	300	7500

SUBTOTAL 100000

**Material Inputs**

Planting Material	*	6000
Fertiliser		15000
Insecticide		5000
Fungicide		0
Herbicide		3300

SUBTOTAL 29300

**Other Costs**

Transportation	10 % of material	2930
Contingencies	10 % of labour and material	12930
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2000
Supervision	15% of labour and material	19395

SUBTOTAL 43255

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 172555

COST OF PRODUCTION ESTIMATE FOR CAULIFLOWER

Parish	Manchester				
Extension Area	Cross Keys				
Crop Maturity	2.5 Months				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	91.5 cm	x	91.5 cm	3 ft	x 3 ft
Planting Density @ 0.4 hectare	4840				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Semi-Irrigated				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	4356				
Cost of Production \$/Kg	102.20				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	25	1500	37500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	16	1500	24000
Mulching	MD	8	1500	12000
Fertilising	MD	3	1500	4500
Weeding	MD	24	1500	36000
Pest Management	MD	15	1500	22500
Harvesting	MD	8	1500	12000
Lunch	MD	108	300	32400

SUBTOTAL 194400

**Material Inputs**

Planting Material	10000
Herbicide	2500
Mulch	42000
Insecticide	25000
Fungicide	11200
Water	20000
Fertiliser	35000

SUBTOTAL 145700

**Other Costs**

Transportation	10 % of material	14570
Contingencies	10 % of labour and material	34010
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	51015

SUBTOTAL 105095

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 445195



COST OF PRODUCTION ESTIMATE FOR SWEET POTATO

Parish	Manchester
Extension Area	Cross Keys
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	61 cm x 61 cm 2 ft x 2 ft
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	10346
Cost of Production \$/Kg	20.46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	tractor	2	10000	20000
Furrowing	MD	6	1500	9000
Prepare Planting Material	MD	9	1500	13500
Planting	MD	8	1500	12000
Fertilising	MD	2	1500	3000
Weeding	MD	16	1500	24000
Harvesting	MD	16	1500	24000
Lunch	MD	64	300	19200

SUBTOTAL 135200

**Material Inputs**

Planting Material	*	3000
Herbicide		3200
Fungicide		1100
Fertiliser		18000

SUBTOTAL 25300

**Other Costs**

Transportation	10 % of material	2530
Contingencies	10 % of labour and material	16050
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	24075

SUBTOTAL 51155

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 211655

COST OF PRODUCTION ESTIMATE FOR SWEET PEPPER

Parish	Manchester					
Extension Area	Cross Keys					
Crop Maturity	3 Months					
Reaping Period	3 Months					
Planting Distance in cm (l x w)	45.75 cm	x	45.75 cm	1.5 ft	x	1.5 ft
Planting Density @ 0.4 hectare	19360					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Semi-Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	6805					
Cost of Production \$/Kg	56.20					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	9	1500	13500
Ploughing	MD	15	1500	22500
Dig Holes	MD	12	1500	18000
Transplanting	MD	20	1500	30000
Fertilising	MD	1	1500	1500
Weeding	MD	12	1500	18000
Pest Management	MD	18	1500	27000
Harvesting	MD	45	1500	67500
Lunch	MD	132	300	39600

SUBTOTAL 237600

**Material Inputs**

Planting Material	7000
Herbicide	4800
Insecticide	14500
Fungicide	2700
Water	10000
Fertiliser	18000

SUBTOTAL 57000

**Other Costs**

Transportation	10 % of material	5700
Contingencies	10 % of labour and material	29460
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	44190

SUBTOTAL 87850

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 382450

COST OF PRODUCTION ESTIMATE FOR GUNGO PEA

Parish	Manchester				
Extension Area	Cross Keys				
Crop Maturity	9 Months				
Reaping Period	2 Months				
Planting Distance in cm (l x w)	91.5 cm	x	91.5 cm	3 ft	x 3 ft
Planting Density @ 0.4 hectare	4840				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	862				
Cost of Production \$/Kg	185.42				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Dig Holes	MD	5	1500	7500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	1	1500	1500
Fertilising	MD	1	1500	1500
Weeding	MD	8	1500	12000
Pest Management	MD	5	1500	7500
Harvesting	MD	32	1500	48000
Lunch	MD	60	300	18000

SUBTOTAL 108000

**Material Inputs**

Planting Material	*	1500
Herbicide		7200
Insecticide		1500

SUBTOTAL 10200

**Other Costs**

Transportation	10 % of material	1020
Contingencies	10 % of labour and material	11820
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	17730

SUBTOTAL 41570

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 159770

COST OF PRODUCTION ESTIMATE FOR TOMATO (PLUMMY)

Parish	Manchester				
Extension Area	Cross Keys				
Crop Maturity	3 Months				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	91.5 cm	x	91.5 cm	3 ft	x 3 ft
Planting Density @ 0.4 hectare	4840				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	12000				
Cost of Production \$/Kg	30.85				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Dig Holes	MD	15	1500	22500
Nursery Operations	MD	2	1500	3000
Transplanting	MD	7	1500	10500
Fertilising	MD	5	1500	7500
Stake and Tie	MD	15	1500	22500
Weeding	MD	12	1500	18000
Pest Management	MD	18	1500	27000
Harvesting	MD	21	1500	31500
Lunch	MD	97	300	29100
<b>SUBTOTAL</b>				<u><b>174600</b></u>

Material Inputs	Total Cost
Planting Material	4000
Stakes	15000
Herbicide	4800
Insecticide	16000
Fungicide	12900
Fertiliser	55000
<b>SUBTOTAL</b>	<u><b>107700</b></u>

Other Costs	Total Cost	
Transportation	10 % of material	10770
Contingencies	10 % of labour and material	28230
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	4000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	42345
<b>SUBTOTAL</b>		<u><b>87845</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><b>370145</b></u>

COST OF PRODUCTION ESTIMATE FOR WATERMELON

Parish	Manchester				
Extension Area	Cross Keys				
Crop Maturity	2.5 Months				
Reaping Period	3 weeks				
Planting Distance in cm (l x w)	152.5 cm	x	122 cm	5 ft	x 4 ft
Planting Density @ 0.4 hectare	2178				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	6998				
Cost of Production \$/Kg	34.88				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes	MD	5	1500	7500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	6	1500	9000
Mulching	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Weeding	MD	4	1500	6000
Pest Management	MD	6	1500	9000
Harvesting	MD	10	1500	15000
Lunch	MD	55	300	16500
<b>SUBTOTAL</b>				<u>99000</u>

Material Inputs	Total Cost
Planting Material	1000
Mulch	40000
Insecticide	12400
Fungicide	6900
Fertiliser	24000
Seed Trays	750
<b>SUBTOTAL</b>	<u>85050</u>

Other Costs	Total Cost	
Transportation	10 % of material	8505
Contingencies	10 % of labour and material	18405
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	27607.5
<b>SUBTOTAL</b>		<u>60017.5</u>

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 244068

COST OF PRODUCTION ESTIMATE FOR ESCALLION

Parish	Manchester				
Extension Area	Cross Keys				
Crop Maturity	2.5 Months				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	30.5 cm	x	30.5 cm	1 ft	x 1 ft
Planting Density @ 0.4 hectare	43560				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	3703				
Cost of Production \$/Kg	76.61				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	3000	30000
Ploughing	MD	5	1500	7500
Planting	MD	20	1500	30000
Fertilising	MD	1	1500	1500
Weeding	MD	1	1500	1500
Pest Management	MD	1	1500	1500
Harvesting	MD	10	1500	15000
Lunch	MD	48	300	14400

SUBTOTAL 101400

**Material Inputs**

Planting Material	45000
Mulch	45000
Insecticide	5880
Fungicide	550
Fertiliser	13500

SUBTOTAL 109930

**Other Costs**

Transportation	10 % of material	10993
Contingencies	10 % of labour and material	21133
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	31699.5

SUBTOTAL 72325.5

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 283656

**COST OF PRODUCTION ESTIMATE FOR CABBAGE**

Parish	Manchester
Extension Area	Christiana
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	51.85 cm x 51.85 cm                      1.7 ft x 1.7 ft
Planting Density @ 0.4 hectare	15073
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectares
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	8182
Cost of Production \$/Kg	38.56

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1500	1500
Ploughing	CW	10	1500	15000
Maintain Trench	MD	3	1500	4500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	7	1500	10500
Pest Management	MD	20	1500	30000
Weeding	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Harvesting	MD	16	1500	24000
Lunch	MD	57	400	22800

SUBTOTAL 123300

**Material Inputs**

Planting material	11000
Fertiliser	33000
Insectide	70000
Herbicide	1800

SUBTOTAL 115800

**Other Costs**

Transportation	10 % of material	11580
Contingencies	10 % of labour and material	23910
**Tools discounted for 5 years	(fork, hoe, shovel, maschette)	2500
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	35865

SUBTOTAL 76355

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 315455

**COST OF PRODUCTION ESTIMATE FOR YELLOW YAM**

Parish	Manchester
Extension Area	Christiana
Crop Maturity	11 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	61 cm x 76.25 cm                      2 ft x 2.5 ft
Planting Density @ 0.4 hectare	8712
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectares
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	7273
Cost of Production \$/Kg	55.90

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	7000	7000
Dig Holes	CW	87	2000	174000
Maintain Trench	MD	2	1500	3000
Prepare Planting Material	MD	3	1500	4500
Planting	MD	3	1500	4500
Stake and Tie	MD	8	1500	12000
Weeding	CW	87	100	8700
Fertilising	MD	2	1500	3000
Harvesting	MD	15	1500	22500
Lunch	MD	34	400	13600
<b>SUBTOTAL</b>				<u><u>252800</u></u>

<b>Material Inputs</b>			
Planting material	*		7128
Stakes	*		15000
Fertilizer			36800
<b>SUBTOTAL</b>			<u><u>58928</u></u>

<b>Other Costs</b>			
Transportation	10 % of material		5892.8
Contingencies	10 % of labour and material		31172.8
**Tools discounted for 5 years	(fork, hoe, shovel, maschette)		6000
Land Charges per crop cycle	0.4 hectare		5000
Supervision	15% of labour and material		46759.2
<b>SUBTOTAL</b>			<u><u>94824.8</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>			<u><u>406553</u></u>



**COST OF PRODUCTION ESTIMATE FOR GINGER**

Parish	Manchester
Extension Area	Christiana
Crop Maturity	12 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30.5 cm x 30.5 cm 1 ft x 1 ft
Planting Density @ 0.4 hectare	43560
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectares
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	4545
Cost of Production \$/Kg	78.42

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	MD	16	1500	24000
Maintain Trench	MD	4	1500	6000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	23	1500	34500
Weeding	MD	18	1500	27000
Fertilising	MD	4	1500	6000
Harvesting	MD	20	1500	30000
Lunch	MD	91	400	36400

SUBTOTAL 172900

**Material Inputs**

Planting material	58500
Fertiliser	35200
Herbicide	2100

SUBTOTAL 95800

**Other Costs**

Transportation	10 % of material	9580
Contingencies	10 % of labour and material	26870
**Tools discounted for 5 years	(fork, hoe, shovel, maschette)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	40305

SUBTOTAL 87755

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 356455

**COST OF PRODUCTION ESTIMATE FOR SWEET POTATO**

Parish	Manchester
Extension Area	Christiana
Crop Maturity	4.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	61 cm x 30.5 cm                      2 ft x 1 ft
Planting Density @ 0.4 hectare	21780
Terrain	Hillside Farm
Land Preparation	Semi-Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectares
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	13636
Cost of Production \$/Kg	15.91

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	1	13000	13000
Furrowing	MD	6	1200	7200
Maintain Trench	MD	5	1500	7500
Prepare Planting Material	CW	1	1500	1500
Planting	MD	17	1500	25500
Weeding	MD	10	1500	15000
Fertilising	MD	4	1500	6000
Harvesting	MD	20	1500	30000
Lunch	MD	68	400	27200

SUBTOTAL 140400

**Material Inputs**

Planting material	*	5000
Fertiliser		18000
Herbicide		4000

SUBTOTAL 27000

**Other Costs**

Transportation	10 % of material	2700
Contingencies	10 % of labour and material	16740
**Tools discounted for 5 years	(fork, hoe, shovel, maschette)	2500
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	25110

SUBTOTAL 49550

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 216950

Portland

Manchioneal

Windsor

Kildare

Fruitful Vale

COST OF PRODUCTION ESTIMATE FOR HORSE PLANTAIN

Parish	Portland
Extension Area	Manchioneal
Crop Maturity	365 days
Reaping Period	5 Years
Planting Distance in cm (l x w)	213.5 cm x 213.5 cm 7 ft x 7 ft
Planting Density @ 0.4 hectare	888.98
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	10506
Cost of Production \$/Kg	27.082

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	15	1200	18000
Harrowing	MD	15	1200	18000
Furrowing	MD	8	1200	9600
Dig Holes	MD	16	1200	19200
Prepare Planting Material	MD	2	1200	2400
Planting	MD	2	1200	2400
Pest Management	MD	10	1200	12000
Weeding	MD	8	1200	9600
Fertilising	MD	9	1200	10800
Harvesting	MD	13	1200	15600
Lunch	MD	98	300	29400

SUBTOTAL 147000

**Material Inputs**

Fertiliser	35000
Insecticide	9000
Fungicide	10000
Herbicide	8800

SUBTOTAL 62800

**Other Costs**

Transportation	10 % of material	6280
Contingencies	10 % of labour and material	20980
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	31470

SUBTOTAL 74730

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 284530

COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	Portland
Extension Area	Manchioneal
Crop Maturity	270 days
Planting Distance in cm (l x w)	213.5 cm x 183 cm 7 ft x 6 ft
Planting Density @ 0.4 hectare	1037.1
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	4714.3
Cost of Production \$/Kg	61.024

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Make Mounds	CW	40	100	40000
Dig Holes	MD	16	1500	24000
Prepare Planting Material	MD	3	1500	4500
Planting	MD	4	1500	6000
Trellising	MD	14	1500	21000
Pest Management	MD	10	1500	15000
Weeding	MD	8	1200	9600
Fertilising	MD	9	1500	13500
Harvesting	MD	13	1500	19500
Lunch	MD	77	300	23100
<b>SUBTOTAL</b>				<u><b>176200</b></u>

Material Inputs		
Planting Material	*	10500
Fertiliser		16800
Fungicide		2000
Herbicide		8800
<b>SUBTOTAL</b>		<u><b>38100</b></u>

Other Costs		
Transportation	10 % of material	3810
Contingencies	10 % of labour and material	21430
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	32145
<b>SUBTOTAL</b>		<u><b>73385</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><b>287685</b></u>

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (NATIVE)

Parish	Portland					
Extension Area	Manchioneal					
Crop Maturity	120 days					
Reaping Period	2 Months					
Planting Distance in cm (l x w)	305 cm	x	305 cm	10 ft	x	10 ft
Planting Density @ 0.4 hectare	436					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	9900					
Cost of Production \$/Kg	15.279					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	1	30000	30000
Ploughing	tractor	1	7500	7500
Harrowing	tractor	1	7500	7500
Dig Holes	MD	1	1500	1500
Planting	MD	1	1500	1500
Pest Management	MD	7	1500	10500
Weeding	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Harvesting	MD	13	1500	19500
Lunch	MD	26	300	7800

SUBTOTAL 91800

**Material Inputs**

Planting Material	*	400
Fertiliser		8000
Insecticide		4000
Fungicide		4000
Herbicide		2500

SUBTOTAL 18900

**Other Costs**

Transportation	10 % of material	1890
Contingencies	10 % of labour and material	11070
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	16605

SUBTOTAL 40565

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 151265

COST OF PRODUCTION ESTIMATE FOR WATERMELON

Parish	Portland
Extension Area	Manchioneal
Crop Maturity	90 days
Planting Distance in cm (l x w)	183 cm x 183 cm 6 ft x 6 ft
Planting Density @ 0.4 hectare	1210
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	11000
Cost of Production \$/Kg	15.793

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	1	30000	30000
Ploughing	tractor	1	7500	7500
Harrowing	tractor	1	7500	7500
Dig Holes	MD	1	1500	1500
Planting	MD	1	1500	1500
Pest Management	MD	10	1500	15000
Weeding	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Harvesting	MD	15	1500	22500
Lunch	MD	31	300	9300
<b>SUBTOTAL</b>				<u><b>100800</b></u>

Material Inputs		
Planting Material	*	400
Fertiliser		13500
Insecticide		3600
Fungicide		7200
Herbicide		2500
<b>SUBTOTAL</b>		<u><b>27200</b></u>

Other Costs		
Transportation	10 % of material	2720
Contingencies	10 % of labour and material	12800
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	19200
<b>SUBTOTAL</b>		<u><b>45720</b></u>

**TOTAL OPERATING EXPENDITURE PER CROP CYCLE** **173720**

COST OF PRODUCTION ESTIMATE FOR GINGER

Parish	Portland					
Extension Area	Windsor					
Crop Maturity	270 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	24.4 cm	x	30.5 cm	0.8 ft	x	1 ft
Planting Density @ 0.4 hectare	54450					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	6818.2					
Cost of Production \$/Kg	63.905					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	1	15000	15000
Ploughing	MD	28	1500	42000
Furrowing	MD	6	1500	9000
Maintain Trench	MD	8	1500	12000
Prepare Planting Material	MD	4	1500	6000
Planting	MD	25	1500	37500
Pest Management	MD	2	1500	3000
Weeding	MD	32	1500	48000
Fertilising	MD	4	1500	6000
Harvesting	MD	30	1500	45000
Lunch	MD	140	250	35000

SUBTOTAL 258500

**Material Inputs**

Planting Material	*	9000
Fertiliser		45000
Insecticide		12800
Fungicide		3800
Herbicide		950

SUBTOTAL 71550

**Other Costs**

Transportation	10 % of material	7155
Contingencies	10 % of labour and material	33005
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	49507.5

SUBTOTAL 105667.5

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 435717.5



COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	Portland
Extension Area	Windsor
Crop Maturity	270 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	91.5 cm x 61 cm 3 ft x 2 ft
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	9545.5
Cost of Production \$/Kg	30.361

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	1	5000	5000
Dig Holes	CW	1	36300	36300
Furrowing	MD	6	1500	9000
Maintain Trench	MD	2	1500	3000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	14	1500	21000
Pest Management	MD	2	1500	3000
Weeding	MD	25	1500	37500
Fertilising	MD	4	1500	6000
Harvesting	MD	21	1500	31500
Lunch	MD	76	250	19000

SUBTOTAL 174300

**Material Inputs**

Planting Material	*	3630
Fertiliser		30000
Insecticide		4800
Fungicide		0
Herbicide		3000

SUBTOTAL 41430

**Other Costs**

Transportation	10 % of material	4143
Contingencies	10 % of labour and material	21573
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	32359.5

SUBTOTAL 74075.5

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 289805.5

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (BODLES GLOBE)

Parish	Portland					
Extension Area	Windsor					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	244 cm	x	244 cm	8 ft	x	8 ft
Planting Density @ 0.4 hectare	681					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	7954.5					
Cost of Production \$/Kg	34.581					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	CW	1	35000	35000
Furrowing	CW	1	20000	20000
Planting	MD	3	1500	4500
Pest Management	MD	6	1500	9000
Weeding	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Harvesting	CW	20	3000	60000
Lunch	MD	21	250	5250
<b>SUBTOTAL</b>				<u>151750</u>

Material Inputs	Total Cost
Planting Material	4000
Insecticide	14000
Fungicide	8500
Fertiliser	27600
Herbicide	1000
<b>SUBTOTAL</b>	<u>55100</u>

Other Costs	Total Cost	
Transportation	10 % of material	5510
Contingencies	10 % of labour and material	20685
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	31027.5
<b>SUBTOTAL</b>		<u>68222.5</u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u>275072.5</u>

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER (WI RED)

Parish	Portland					
Extension Area	Windsor					
Crop Maturity	120 days					
Reaping Period	8 Months					
Planting Distance in cm (l x w)	91.5 cm	x	122 cm	3 ft	x	4 ft
Planting Density @ 0.4 hectare	3630					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Semi-Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	13636					
Cost of Production \$/Kg	86.493					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	25000	25000
Ploughing	CW	1	35000	35000
Furrowing	CW	1	25000	25000
Lining Irrigation Hose	MD	3	1500	4500
Planting	MD	4	1500	6000
Pest Management	MD	30	1500	45000
Weeding	MD	35	3000	105000
Fertilising	MD	10	1500	15000
Harvesting	CW	1	300000	300000
Lunch	MD	82	250	20500

SUBTOTAL 581000

**Material Inputs**

Planting Material	30000
Insecticide	35000
Fungicide	80000
Fertiliser	142000
Herbicide	25000

SUBTOTAL 312000

**Other Costs**

Transportation	10 % of material	31200
Contingencies	10 % of labour and material	89300
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	27000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	133950

SUBTOTAL 286450

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 1179450

COST OF PRODUCTION ESTIMATE FOR HORSE PLANTAIN

Parish	Portland
Extension Area	Kildare
Crop Maturity	9 Months
Reaping Period	9 Months
Planting Distance in cm (l x w)	152.5 cm x 305 cm 5 ft x 10 ft
Planting Density @ 0.4 hectare	871
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	15048
Cost of Production \$/Kg	27.61

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	1	10000	10000
Harrowing	MD	3	1500	4500
Dig Holes	MD	10	1500	15000
Planting	MD	10	1500	15000
Fertilising	MD	6	1500	9000
Weeding	MD	6	1500	9000
Pest Management	MD	9	1500	13500
Harvesting	MD	36	1500	54000
Lunch	MD	84	300	25200

SUBTOTAL 161200

**Material Inputs**

Planting Material	*			5000
Herbicide		4	1100	4400
Insecticide		4	25300	101200
Fungicide		4	1600	6400
Fertiliser		8	4400	35200

SUBTOTAL 152200

**Other Costs**

Transportation	10 % of material			15220
Contingencies	10 % of labour and material			31340
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			47010

SUBTOTAL 102070

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 415470

COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	Portland
Extension Area	Kildare
Crop Maturity	3 Months
Reaping Period	2 weeks
Planting Distance in cm (l x w)	15.25 cm x 30.5 cm
Planting Density @ 0.4 hectare	87120
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	2045
Cost of Production \$/Kg	101.82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	25	1500	37500
Planting	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Weeding	MD	9	1500	13500
Pest Management	MD	4	1500	6000
Harvesting	MD	20	1500	30000
Lunch	MD	72	300	21600

SUBTOTAL 129600

**Material Inputs**

Planting Material	5100
Herbicide	6800
Insecticide	3040
Fertiliser	16000

SUBTOTAL 30940

**Other Costs**

Transportation	10 % of material	3094
Contingencies	10 % of labour and material	16054
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	2000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	24081

SUBTOTAL 47729

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 208269

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (NATIVE)

Parish	Portland
Extension Area	Fruitful Vale
Crop Maturity	3 Months
Reaping Period	2 weeks
Planting Distance in cm (l x w)	244 cm x 183 cm 8 ft x 6 ft
Planting Density @ 0.4 hectare	908
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	8182
Cost of Production \$/Kg	26.11

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	MD	20	1500	30000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	5	1500	7500
Pest Management	MD	8	1500	12000
Weeding	MD	3	1500	4500
Fertilising	MD	3	1500	4500
Harvesting	MD	30	1500	45000
lunch	MD	75	300	22500

SUBTOTAL 135000

**Material Inputs**

Planting Material	1400
Herbicide	3000
Fertiliser	15000
Insecticide	9750

SUBTOTAL 29150

**Other Costs**

Transportation	10 % of material	2915
Contingencies	10 % of labour and material	16415
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	24623

SUBTOTAL 49453

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 213603

COST OF PRODUCTION ESTIMATE FOR COCO

Parish	Portland
Extension Area	Fruitful Vale
Crop Maturity	12 Months
Reaping Period	3 weeks
Planting Distance in cm (l x w)	76.25 cm x 91.5 cm 2.5 ft x 3 ft
Planting Density @ 0.4 hectare	5808
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	10560
Cost of Production \$/Kg	25.59

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	25000	25000
Dig Holes	CW	40	1500	60000
Prepare Planting Material	MD	2	1500	3000
Planting	CW	10	1500	15000
Weeding	MD	4	1500	6000
Fertilising	MD	5	1500	7500
Harvesting	MD	25	1500	37500
Lunch	MD	36	300	10800

SUBTOTAL 164800

**Material Inputs**

Planting Material	*	10000
Fertiliser		22400
Herbicide		3300

SUBTOTAL 35700

**Other Costs**

Transportation	10 % of material	3570
Contingencies	10 % of labour and material	20050
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	30075

SUBTOTAL 69695

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 270195

COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	Portland
Extension Area	Fruitful Vale
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	55000
Terrain	Hillside farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	8182
Cost of Production \$/Kg	21.46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1500	1500
Ploughing	MD	11	1500	16500
Harrowing	MD	10	1500	15000
Planting	MD	1	1500	1500
Pest Management	MD	2	1200	2400
Weeding	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Harvesting	MD	30	1500	45000
Lunch	MD	59	300	17700

SUBTOTAL 105600

**Material Inputs**

Planting Material	4500
Fertiliser	13200
Insecticide	5800
Herbicide	4700

SUBTOTAL 28200

**Other Costs**

Transportation	10 % of material	2820
Contingencies	10 % of labour and material	13380
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	2500
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	20070

SUBTOTAL 41770

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 175570



St. Ann

St. Ann's Bay  
Claremont

COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	St. Ann
Extension Area	St. Ann's Bay
Crop Maturity	90 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	30.5 cm x 30.5 cm 1 ft x 1 ft
Planting Density @ 0.4 hectare	43560
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	2000
Projected Marketable Yield (Kg)	4545
Cost of Production \$/Kg	58.89

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	25	2000	50000
Ploughing	MD	15	2000	30000
Harrowing	MD	10	2000	20000
Planting	MD	1	2000	2000
Weeding	MD	4	2000	8000
Fertilising	MD	2	2000	4000
Harvesting	MD	18	2000	36000
Lunch	MD	75	300	22500

SUBTOTAL 172500

**Material Inputs**

Planting Material	2000
Fertiliser	15000
Insecticide	1000
Fungicide	0
Herbicide	12400

SUBTOTAL 30400

**Other Costs**

Transportation	10 % of material	3040
Contingencies	10 % of labour and material	20290
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	30435

SUBTOTAL 64765

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 267665

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	St. Ann
Extension Area	St. Ann's Bay
Crop Maturity	270 days
Reaping Period	2 Months
Planting Distance in cm (l x w)	30.5 cm x 61 cm 1 ft x 2 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	2000
Projected Marketable Yield (Kg)	15909
Cost of Production \$/Kg	32.04

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	16	2000	32000
Ploughing	MD	20	2000	40000
Maintain Trench	MD	2	2000	4000
Planting	MD	20	2000	40000
Weeding	MD	40	2000	80000
Fertilising	MD	3	2000	6000
Harvesting	MD	45	2000	90000
Lunch	MD	146	300	43800
<b>SUBTOTAL</b>				<b><u>335800</u></b>

Material Inputs		Total Cost
Planting Material	*	20000
Fertiliser		30000
Insecticide		1000
Fungicide		0
Herbicide		7500
<b>SUBTOTAL</b>		<b><u>58500</u></b>

Other Costs		Total Cost
Transportation	10 % of material	5850
Contingencies	10 % of labour and material	39430
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	59145
<b>SUBTOTAL</b>		<b><u>115425</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<b><u>509725</u></b>

COST OF PRODUCTION ESTIMATE FOR ONION

Parish	St. Ann
Extension Area	St. Ann's Bay
Crop Maturity	90 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	15.25 cm x 30.5 cm 0.5 ft x 1 ft
Planting Density @ 0.4 hectare	87120
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	2000
Projected Marketable Yield (Kg)	6818
Cost of Production \$/Kg	69.41

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	2000	16000
Ploughing	MD	15	2000	30000
Lining Irrigation Hose	MD	2	2000	4000
Planting	MD	5	2000	10000
Pest Management	MD	15	2000	30000
Weeding	MD	8	2000	16000
Fertilising	MD	3	2000	6000
Harvesting	MD	45	2000	90000
Lunch	MD	101	300	30300

SUBTOTAL 232300

**Material Inputs**

Planting Material	20000
Water	7500
Fertiliser	40000
Insecticide	15000
Fungicide	10000
Herbicide	20000

SUBTOTAL 112500

**Other Costs**

Transportation	10 % of material	11250
Contingencies	10 % of labour and material	34480
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		26000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	51720

SUBTOTAL 128450

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 473250

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. Ann
Extension Area	Claremont
Crop Maturity	3 Months
Reaping Period	3 weeks
Planting Distance in cm (l x w)	45.75 cm x 45.75 cm 1.5 ft x 1.5 ft
Planting Density @ 0.4 hectare	19360
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	18000
Cost of Production \$/Kg	17.16

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	10	1500	15000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	3	1500	4500
Fertilising	MD	2	1500	3000
Weeding	MD	20	1500	30000
Pest Management	MD	7	1500	10500
Harvesting	MD	18	1500	27000
Lunch	MD	73	300	21900

SUBTOTAL 131400

**Material Inputs**

Planting Material	4500
Herbicide	6000
Insecticide	16000
Fungicide	7200
Fertiliser	69300

SUBTOTAL 103000

**Other Costs**

Transportation	10 % of material	10300
Contingencies	10 % of labour and material	23440
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	35160

SUBTOTAL 74400

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 308800

COST OF PRODUCTION ESTIMATE FOR LETTUCE

Parish	St. Ann
Extension Area	Claremont
Crop Maturity	2 Months
Reaping Period	2 weeks
Planting Distance in cm (l x w)	30.5 cm x 30.5 cm 1 ft x 1 ft
Planting Density @ 0.4 hectare	43560
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	8000
Cost of Production \$/Kg	33.41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	MD	20	1500	30000
Furrowing	MD	8	1500	12000
Planting	MD	20	1500	30000
Fertilising	MD	2	1500	3000
Weeding	MD	10	1500	15000
Pest Management	MD	12	1500	18000
Harvesting	MD	14	1500	21000
Lunch	MD	92	300	27600
<b>SUBTOTAL</b>				<u><b>165600</b></u>

Material Inputs	Total Cost
Planting Material	2700
Herbicide	2000
Insecticide	12000
Fungicide	6600
Fertiliser	18000
<b>SUBTOTAL</b>	<u><b>41300</b></u>

Other Costs	Total Cost	
Transportation	10 % of material	4130
Contingencies	10 % of labour and material	20690
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		2000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	31035
<b>SUBTOTAL</b>		<u><b>60355</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><b>267255</b></u>

COST OF PRODUCTION ESTIMATE FOR PAK CHOI

Parish	St. Ann
Extension Area	Claremont
Crop Maturity	2 Months
Reaping Period	2 weeks
Planting Distance in cm (l x w)	61 cm x 30.5 cm 2 ft x 1 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	12000
Cost of Production \$/Kg	28.21

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	MD	18	1500	27000
Furrowing	MD	14	1500	21000
Nursery Operations	MD	3	1500	4500
Transplanting	MD	23	1500	34500
Fertilising	MD	2	1500	3000
Weeding	MD	17	1500	25500
Pest Management	MD	8	1500	12000
Harvesting	MD	17	1500	25500
Lunch	MD	108	300	32400
<b>SUBTOTAL</b>				<b>194400</b>

Material Inputs	Total Cost
Planting Material	2400
Herbicide	5000
Insecticide	9000
Fungicide	16000
Fertiliser	35000
<b>SUBTOTAL</b>	<b>67400</b>

Other Costs	Total Cost
Transportation	10 % of material 6740
Contingencies	10 % of labour and material 26180
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)	2000
Land Charges per crop cycle 0.4 hectare	2500
Supervision 15% of labour and material	39270
<b>SUBTOTAL</b>	<b>76690</b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<b>338490</b>

COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	St. Ann
Extension Area	Claremont
Crop Maturity	12 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	213.5 cm x 213.5 cm 7 ft x 7 ft
Planting Density @ 0.4 hectare	889
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	9205
Cost of Production \$/Kg	32.58

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	MD	5	1500	7500
Dig Holes	CW	1	80	72000
Furrowing	MD	6	1500	9000
Prepare Planting Material	MD	4	1500	6000
Stake and Tie	MD	6	1500	9000
Planting	MD	1	1500	1500
Fertilising	MD	3	1500	4500
Weeding	MD	24	1500	36000
Lunch	MD	51	300	15300
<b>SUBTOTAL</b>				<b>163800</b>

Material Inputs		Total Cost
Planting Material	*	5400
Stakes	*	15000
Herbicide		4200
Fertiliser		39600
<b>SUBTOTAL</b>		<b>64200</b>

Other Costs		Total Cost
Transportation	10 % of material	6420
Contingencies	10 % of labour and material	22800
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	34200
<b>SUBTOTAL</b>		<b>71920</b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<b>299920</b>



St. Andrew

Mavis Bank  
Salisbury Plain

COST OF PRODUCTION ESTIMATE FOR ESCALLION

Parish	St. Andrew
Extension Area	Mavis Bank
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30.5 cm x 30.5 cm 1 ft x 1 ft
Planting Density @ 0.4 hectare	34848
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	3091
Cost of Production \$/Kg	59.73

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1200	1200
Ploughing	MD	20	1200	24000
Furrowing	MD	15	1200	18000
Planting	MD	4	1200	4800
Fertilising	MD	2	1200	2400
Weeding	MD	5	1200	6000
Pest Management	MD	12	1200	14400
Harvesting	MD	24	1200	28800
Lunch	MD	83	300	24900
<b>SUBTOTAL</b>				<u><u>124500</u></u>

Material Inputs	Total Cost
Planting Material	9000
Herbicide	1000
Insecticide	1100
Fungicide	2850
Fertiliser	4200
<b>SUBTOTAL</b>	<u><u>18150</u></u>

Other Costs	Total Cost
Transportation	10 % of material 1815
Contingencies	10 % of labour and material 14265
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)	2000
Land Charges per crop cycle	0.4 hectare 2500
Supervision	15% of labour and material 21397.5
<b>SUBTOTAL</b>	<u><u>41977.5</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>184628</u></u>

COST OF PRODUCTION ESTIMATE FOR LETTUCE

Parish	St. Andrew					
Extension Area	Mavis Bank					
Crop Maturity	2 Months					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	45.75 cm	x	45.75 cm	1.5 ft	x	1.5 ft
Planting Density @ 0.4 hectare	19360					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	8000					
Cost of Production \$/Kg	28.28					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	MD	15	1500	22500
Furrowing	MD	15	1500	22500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	19	1500	28500
Fertilising	MD	3	1500	4500
Weeding	MD	8	1500	12000
Pest Management	MD	5	1500	7500
Harvesting	MD	9	1500	13500
Lunch	MD	80	300	24000

SUBTOTAL 144000

**Material Inputs**

Planting Material	5400
Insecticide	18000
Fungicide	7500

SUBTOTAL 30900

**Other Costs**

Transportation	10 % of material	3090
Contingencies	10 % of labour and material	17490
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		2000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	26235

SUBTOTAL 51315

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 226215

COST OF PRODUCTION ESTIMATE FOR GINGER

Parish	St. Andrew			
Extension Area	Salisbury Plain			
Crop Maturity	9 Months			
Reaping Period	3 Months			
Planting Distance in cm (l x w)	61 cm	x	30.5 cm	2 ft x 1 ft
Planting Density @ 0.4 hectare	21780			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield (Kg)	7500			
Cost of Production \$/Kg	50.01			

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	24	1500	36000
Furrowing	MD	20	1500	30000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	16	1500	24000
Fertilising	MD	4	1500	6000
Weeding	MD	24	1500	36000
Harvesting	MD	28	1500	42000
Lunch	MD	126	300	37800

SUBTOTAL 226800

**Material Inputs**

Planting Material	*	8000
Fungicide		8000
Fertiliser		40000

SUBTOTAL 56000

**Other Costs**

Transportation	10 % of material	5600
Contingencies	10 % of labour and material	28280
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	42420

SUBTOTAL 92300

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 375100

COST OF PRODUCTION ESTIMATE FOR SWEET POTATO

Parish	St. Andrew			
Extension Area	Salisbury Plain			
Crop Maturity	3 Months			
Reaping Period	3 Months			
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft x 2 ft
Planting Density @ 0.4 hectare	21780			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield (Kg)	4318			
Cost of Production \$/Kg	61.61			

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	25	1500	37500
Ploughing	MD	10	1500	15000
Furrowing	MD	25	1500	37500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	3	1500	4500
Fertilising	MD	1	1500	1500
Weeding	MD	15	1500	22500
Harvesting	MD	25	1500	37500
Lunch	MD	105	300	31500

SUBTOTAL 189000

**Material Inputs**

Planting Material	*	6000
Fertiliser		12000

SUBTOTAL 18000

**Other Costs**

Transportation	10 % of material	1800
Contingencies	10 % of labour and material	20700
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	31050

SUBTOTAL 59050

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 266050

COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	St. Andrew			
Extension Area	Salisbury Plain			
Crop Maturity	9 Months			
Reaping Period	3 Months			
Planting Distance in cm (l x w)	152.5 cm	x	91.5 cm	5 ft x 3 ft
Planting Density @ 0.4 hectare	2904			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield (Kg)	11000			
Cost of Production \$/Kg	33.75			

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	25	1500	37500
Ploughing	MD	5	1500	7500
Furrowing	MD	25	1500	37500
Prepare Planting Material	MD	5	1500	7500
Planting	MD	10	1500	15000
Fertilising	MD	1	1500	1500
Weeding	MD	20	1500	30000
Stake and Tie	MD	24	1500	36000
Harvesting	MD	24	1500	36000
Lunch	MD	139	300	41700

SUBTOTAL 250200

**Material Inputs**

Planting Material	*	10500
Fertiliser		15000
Stakes	*	6000

SUBTOTAL 31500

**Other Costs**

Transportation	10 % of material	3150
Contingencies	10 % of labour and material	28170
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	42255

SUBTOTAL 89575

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 371275

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (NATIVE)

Parish	St. Andrew					
Extension Area	Salisbury Plain					
Crop Maturity	9 Months					
Reaping Period	3 Months					
Planting Distance in cm (l x w)	457.5 cm	x	457.5 cm	15 ft	x	15 ft
Planting Density @ 0.4 hectare	484					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	8000					
Cost of Production \$/Kg	21.24					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	14	1500	21000
Ploughing	MD	21	1500	31500
Planting	MD	3	1500	4500
Pest Management	MD	7	1500	10500
Fertilising	MD	1	1500	1500
Weeding	MD	2	1500	3000
Harvesting	MD	8	1500	12000
Lunch	MD	15	1500	22500

SUBTOTAL 106500

**Material Inputs**

Planting Material	2200
Herbicide	4200
Insecticide	5500
Fertiliser	12000

SUBTOTAL 23900

**Other Costs**

Transportation	10 % of material	2390
Contingencies	10 % of labour and material	13040
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	2000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	19560

SUBTOTAL 39490

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 169890

St. Catherine

Old Harbour

Guy's Hill

Spanish Town

Linstead



COST OF PRODUCTION ESTIMATE FOR OKRA

Parish	St. Catherine					
Extension Area	Old Harbour					
Crop Maturity	49 days					
Reaping Period	3 Months					
Planting Distance in cm (l x w)	30.5 cm	x	152.5 cm	1 ft	x	5 ft
Planting Density @ 0.4 hectare	8712					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	6363.6					
Cost of Production \$/Kg	34.607					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	3	1500	4500
Pest Management	MD	8	1500	12000
Weeding	MD	8	1500	12000
Fertilising	MD	6	1500	9000
Harvesting	MD	18	1500	27000
Lunch	MD	48	300	14400

SUBTOTAL 100400

**Material Inputs**

Planting Material	2500
Water	11000
Insecticide	4000
Fungicide	4000
Fertiliser	20000
Herbicide	2000

SUBTOTAL 43500

**Other Costs**

Transportation	10 % of material	4350
Contingencies	10 % of labour and material	14390
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	21585

SUBTOTAL 76325

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 220225

COST OF PRODUCTION ESTIMATE FOR CUCUMBER

Parish	St. Catherine					
Extension Area	Old Harbour					
Crop Maturity	45 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	30.5 cm	x	152.5 cm	1 ft	x	5 ft
Planting Density @ 0.4 hectare	8712					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	6363.6					
Cost of Production \$/Kg	45.433					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	5	1500	7500
Pest Management	MD	10	1500	15000
Weeding	MD	6	1500	9000
Fertilising	MD	2	1500	3000
Harvesting	MD	25	1500	37500
Lunch	MD	53	300	15900
<b>SUBTOTAL</b>				<u><b>109400</b></u>
<b>Material Inputs</b>				
Planting Material				12000
Water				15000
Insecticide				18000
Fungicide				18000
Fertiliser				22000
Herbicide				1200
<b>SUBTOTAL</b>				<u><b>86200</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			8620
Contingencies	10 % of labour and material			19560
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			29340
<b>SUBTOTAL</b>				<u><b>93520</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>289120</b></u></u>

COST OF PRODUCTION ESTIMATE FOR SWEET POTATO

Parish	St. Catherine					
Extension Area	Old Harbour					
Crop Maturity	120 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	30.5 cm	x	152.5 cm	1 ft	x	5 ft
Planting Density @ 0.4 hectare	8712					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	10455					
Cost of Production \$/Kg	27.242					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	4	1500	6000
Pest Management	MD	7	1500	10500
Weeding	MD	11	1500	16500
Fertilising	MD	2	1500	3000
Harvesting	MD	45	1500	67500
Lunch	MD	74	300	22200
<b>SUBTOTAL</b>				<b><u>147200</u></b>
<b>Material Inputs</b>				
Planting Material	*			5000
Water				15000
Insecticide				8000
Fungicide				1000
Fertiliser				16000
Herbicide				3000
<b>SUBTOTAL</b>				<b><u>48000</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			4800
Contingencies	10 % of labour and material			19520
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			29280
<b>SUBTOTAL</b>				<b><u>89600</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>284800</u></b>

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	St. Catherine					
Extension Area	Old Harbour					
Crop Maturity	210 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	30.5 cm	x	152.5 cm	1 ft	x	5 ft
Planting Density @ 0.4 hectare	8712					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	8181.8					
Cost of Production \$/Kg	35.386					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	4	1500	6000
Pest Management	MD	7	1500	10500
Weeding	MD	11	1500	16500
Fertilising	MD	2	1500	3000
Harvesting	MD	45	1500	67500
Lunch	MD	74	300	22200
<b>SUBTOTAL</b>				<b><u>147200</u></b>
<b>Material Inputs</b>				
Planting Material	*			4500
Water				10000
Insecticide				8000
Fungicide				1000
Fertiliser				24000
Herbicide				4000
<b>SUBTOTAL</b>				<b><u>51500</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			5150
Contingencies	10 % of labour and material			19870
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			29805
<b>SUBTOTAL</b>				<b><u>90825</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>289525</u></b>

COST OF PRODUCTION ESTIMATE FOR CALLALOO

Parish	St. Catherine					
Extension Area	Old Harbour					
Crop Maturity	35 days					
Reaping Period	6 Months					
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x	2 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Fertigation					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	16818					
Cost of Production \$/Kg	25.053					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	5000	5000
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	3	1500	4500
Transplanting	MD	16	1500	24000
Pest Management	MD	14	1500	21000
Weeding	MD	4	1500	6000
Fertilising	MD	1	1500	1500
Harvesting	MD	45	1500	67500
Lunch	MD	74	300	22200

SUBTOTAL 169200

**Material Inputs**

Planting Material	*	1100
Water		6000
Insecticide		35360
Fungicide		9500
Fertiliser		54000
Herbicide		8000

SUBTOTAL 113960

**Other Costs**

Transportation	10 % of material	11396
Contingencies	10 % of labour and material	28316
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	46000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	42474

SUBTOTAL 138186

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 421346

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (BODLES GLOBE)

Parish	St. Catherine				
Extension Area	Old Harbour				
Crop Maturity	90 days				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	183 cm	x	305 cm	6 ft	x 10 ft
Planting Density @ 0.4 hectare	726				
Terrain	Relatively Flat Land Farm				
Land Preparation	Mechanical				
Irrigated/Rainfed	Irrigated				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	9545.5				
Cost of Production \$/Kg	21.84				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	5000	5000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	1	1500	1500
Pest Management	MD	6	1500	9000
Weeding	MD	6	1500	9000
Fertilising	MD	1	1500	1500
Harvesting	MD	21	1500	31500
Lunch	MD	40	300	12000
<b>SUBTOTAL</b>				<b><u>87000</u></b>
<b>Material Inputs</b>				
Planting Material	*			2000
Water				6000
Insecticide				8000
Fungicide				12000
Fertiliser				18000
Herbicide				1200
<b>SUBTOTAL</b>				<b><u>47200</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			4720
Contingencies	10 % of labour and material			13420
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			20130
<b>SUBTOTAL</b>				<b><u>74270</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>208470</u></b>

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER (WI RED)

Parish	St. Catherine					
Extension Area	Old Harbour					
Crop Maturity	130 days					
Reaping Period	6 Months					
Planting Distance in cm (l x w)	30.5 cm	x	152.5 cm	1 ft	x	5 ft
Planting Density @ 0.4 hectare	8712					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Fertigation					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	9090.9					
Cost of Production \$/Kg	73.994					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	1	6000	6000
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	5000	5000
Lining Irrigation Hose	MD	3	1500	4500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	8	1500	12000
Pest Management	MD	24	1500	36000
Weeding	MD	6	1500	9000
Fertilising	MD	1	1500	1500
Harvesting (pick and de-stem)	CW	64	2500	160000
Lunch	MD	45	300	13500
<b>SUBTOTAL</b>				<b><u>262000</u></b>

Material Inputs	Total Cost
Planting Material	15000
Water	6000
Insecticide	36000
Fungicide	36000
Fertiliser	120000
Herbicide	1200
<b>SUBTOTAL</b>	<b><u>214200</u></b>

Other Costs	Total Cost	
Transportation	10 % of material	21420
Contingencies	10 % of labour and material	47620
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	46000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	71430
<b>SUBTOTAL</b>		<b><u>196470</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<b><u>672670</u></b>

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	St. Catherine
Extension Area	Guy's Hill
Crop Maturity	270 days
Reaping Period	2 Months
Planting Distance in cm (l x w)	61 cm x 61 cm 2 ft x 2 ft
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	6818.2
Cost of Production \$/Kg	30.34

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	11	1500	16500
Ploughing	tractor	1	8000	8000
Harrowing	tractor	1	8000	8000
Furrowing	tractor	1	4000	4000
Maintain Trench	MD	5	1500	7500
Dig Holes/Plant	MD	7	1500	10500
Weeding	MD	9	1500	13500
Fertilising	MD	2	1500	3000
Harvesting	MD	10	1500	15000
Lunch	MD	47	300	14100

SUBTOTAL 100100

**Material Inputs**

Planting Material	*	8000
Fertiliser		35000
Insecticide		0
Fungicide		0
Herbicide		9400

SUBTOTAL 52400

**Other Costs**

Transportation	10 % of material	5240
Contingencies	10 % of labour and material	15250
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	22875

SUBTOTAL 54365

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 206865



COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	St. Catherine					
Extension Area	Guy's Hill					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	61 cm	x	30.5 cm	2 ft	x	1 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	4545.5					
Cost of Production \$/Kg	64.108					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	11	1500	16500
Ploughing	tractor	1	8000	8000
Harrowing	tractor	1	8000	8000
Furrowing	tractor	1	4000	4000
Maintain Trench	MD	5	1500	7500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	4	1500	6000
Pest Management	MD	9	1500	13500
Weeding	CW	1	20000	20000
Fertilising	MD	2	1500	3000
Harvesting	MD	8	1500	12000
Lunch	MD	40	300	12000

SUBTOTAL 112000

**Material Inputs**

Planting Material	58000
Fertiliser	35000
Insecticide	4000
Fungicide	3000
Herbicide	4000

SUBTOTAL 104000

**Other Costs**

Transportation	10 % of material	10400
Contingencies	10 % of labour and material	21600
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	32400

SUBTOTAL 75400

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 291400

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. Catherine
Extension Area	Guy's Hill
Crop Maturity	90 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	61 cm x 30.5 cm 2 ft x 1 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	18182
Cost of Production \$/Kg	22.399

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	CW	1	20000	20000
Harrowing	CW	1	15000	15000
Furrowing	CW	1	5000	5000
Maintain Trench	MD	3	1500	4500
Dig Holes/Plant	MD	10	1500	15000
Pest Management	MD	18	1500	27000
Weeding	MD	25	1500	37500
Fertilising	MD	2	1500	3000
Harvesting	MD	45	1500	67500
Lunch	MD	107	300	32100
<b>SUBTOTAL</b>				<u><b>232600</b></u>
<b>Material Inputs</b>				
Planting Material				11000
Fertiliser				26000
Insecticide				25000
Fungicide				14000
Herbicide				4000
<b>SUBTOTAL</b>				<u><b>80000</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			8000
Contingencies	10 % of labour and material			31260
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			46890
<b>SUBTOTAL</b>				<u><b>94650</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><b>407250</b></u>

COST OF PRODUCTION ESTIMATE FOR TOMATO (PLUMMY)

Parish	St. Catherine					
Extension Area	Guy's Hill					
Crop Maturity	90 days					
Reaping Period	2 Months					
Planting Distance in cm (l x w)	91.5 cm	x	30.5 cm	3 ft	x	1 ft
Planting Density @ 0.4 hectare	14520					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	9090.9					
Cost of Production \$/Kg	42.63					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	1	12000	12000
Harrowing	tractor	1	12000	12000
Maintain Trench	MD	3	1500	4500
Nursery Operations	MD	2	1500	3000
Stake and Tie	MD	15	1500	22500
Dig Holes/Plant	CW	1	10000	10000
Pest Management	MD	13	1500	19500
Weeding	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000
Lunch	MD	61	300	18300

SUBTOTAL 143800

**Material Inputs**

Planting Material	20000
Fertiliser	50000
Stakes	20000
Insecticide	35000
Fungicide	10000
Herbicide	6700

SUBTOTAL 141700

**Other Costs**

Transportation	10 % of material	14170
Contingencies	10 % of labour and material	28550
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	14000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	42825

SUBTOTAL 102045

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 387545

COST OF PRODUCTION ESTIMATE FOR TOMATO (SLICING)

Parish	St. Catherine				
Extension Area	Guy's Hill				
Crop Maturity	84 days				
Reaping Period	2 Months				
Planting Distance in cm (l x w)	122 cm	x	45.75 cm	4 ft	x 1.5 ft
Planting Density @ 0.4 hectare	7260				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	10000				
Cost of Production \$/Kg	38.405				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	15	1500	22500
Harrowing	MD	15	1500	22500
Maintain Trench	MD	3	1500	4500
Nursery Operations	MD	2	1500	3000
Stake and Tie	MD	15	1500	22500
Dig Holes/Plant	CW	1	10000	10000
Pest Management	MD	13	1500	19500
Weeding	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Harvesting	MD	22	1500	33000
Lunch	MD	99	300	29700
<b>SUBTOTAL</b>				<u><u>188200</u></u>

Material Inputs	Total Cost
Planting Material	12000
Fertiliser	50000
Insecticide	20000
Fungicide	11000
Herbicide	5000
<b>SUBTOTAL</b>	<u><u>98000</u></u>

Other Costs	Total Cost	
Transportation	10 % of material	9800
Contingencies	10 % of labour and material	28620
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	14000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	42930
<b>SUBTOTAL</b>		<u><u>97850</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>384050</u></u>

COST OF PRODUCTION ESTIMATE FOR CALLALOO

Parish	St. Catherine					
Extension Area	Spanish Town					
Crop Maturity	35 days					
Reaping Period	5 Months					
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x	2 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	16818					
Cost of Production \$/Kg	24.542					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	tractor	1	15000	15000
Harrowing	tractor	1	15000	15000
Furrowing	tractor	1	10000	10000
Maintain Trench	MD	5	1500	7500
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	3	1500	4500
Transplanting	MD	10	1500	15000
Pest Management	MD	14	1500	21000
Weeding	MD	8	1500	12000
Fertilising	MD	8	1500	12000
Harvesting	MD	45	1500	67500
Lunch	MD	98	300	29400
<b>SUBTOTAL</b>				<u><u>216400</u></u>

Material Inputs	Total Cost
Planting Material	1100
Water	6000
Insecticide	15000
Fungicide	7500
Fertiliser	30000
Herbicide	8000
<b>SUBTOTAL</b>	<u><u>67600</u></u>

Other Costs	Total Cost	
Transportation	10 % of material	6760
Contingencies	10 % of labour and material	28400
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	46000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	42600
<b>SUBTOTAL</b>		<u><u>128760</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>412760</u></u>

COST OF PRODUCTION ESTIMATE FOR TOMATO (SLICING)

Parish	St. Catherine					
Extension Area	Spanish Town					
Crop Maturity	84 days					
Reaping Period	2 Months					
Planting Distance in cm (l x w)	122 cm	x	45.75 cm	4 ft	x	1.5 ft
Planting Density @ 0.4 hectare	7260					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Fertigation					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	18182					
Cost of Production \$/Kg	32.88					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	tractor	1	12000	12000
Furrowing	tractor	1	8000	8000
Lining Irrigation Hose	MD	2	1500	3000
Maintain Trench	MD	3	1500	4500
Nursery Operations	MD	2	1500	3000
Stake and Tie	MD	15	1500	22500
Transplanting	CW	10	10000	100000
Pest Management	MD	16	1500	24000
Weeding	MD	28	1500	42000
Fertilising	MD	1	1500	1500
Harvesting	MD	25	1500	37500
Lunch	MD	102	300	30600
<b>SUBTOTAL</b>				<u><b>303600</b></u>

Material Inputs	Total Cost
Planting Material	12000
Potting Mixture	5000
Seed Trays	2000
Water	6000
Fertiliser	62000
Insecticide	32000
Fungicide	9000
Herbicide	12600
<b>SUBTOTAL</b>	<u><b>140600</b></u>

Other Costs	Total Cost	
Transportation	10 % of material	14060
Contingencies	10 % of labour and material	44420
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	66630
<b>SUBTOTAL</b>		<u><b>153610</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u><b>597810</b></u></u>

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER (WI RED)

Parish	St. Catherine					
Extension Area	Spanish Town					
Crop Maturity	84 days					
Reaping Period	6 Months					
Planting Distance in cm (l x w)	91.5 cm	x	61 cm	3 ft	x	2 ft
Planting Density @ 0.4 hectare	7260					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Fertigation					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	13636					
Cost of Production \$/Kg	85.308					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	10	1500	15000
Harrowing	tractor	1	12000	12000
Furrowing	tractor	1	8000	8000
Lining Irrigation Hose	MD	3	1500	4500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	6	1500	9000
Pest Management	MD	35	1500	52500
Weeding	MD	28	1500	42000
Fertilising	MD	2	1500	3000
Harvesting (pick and de-stem)	CW	85	3000	255000
Lunch	MD	91	300	27300
<b>SUBTOTAL</b>				<b><u>432800</u></b>
<b>Material Inputs</b>				
Planting Material				1500
Water				15000
Insecticide				150000
Fungicide				55000
Fertiliser				175000
Herbicide				12600
<b>SUBTOTAL</b>				<b><u>409100</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			40910
Contingencies	10 % of labour and material			84190
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			60000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			126285
<b>SUBTOTAL</b>				<b><u>321385</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>1163285</u></b>

COST OF PRODUCTION ESTIMATE FOR SWEET PEPPER

Parish	St. Catherine					
Extension Area	Spanish Town					
Crop Maturity	84 days					
Reaping Period	3 Months					
Planting Distance in cm (l x w)	91.5 cm	x	30.5 cm	3 ft	x	1 ft
Planting Density @ 0.4 hectare	14520					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	14545					
Cost of Production \$/Kg	28.965					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	10	1500	15000
Harrowing	tractor	1	12000	12000
Furrowing	tractor	1	8000	8000
Lining Irrigation Hose	MD	3	1500	4500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	14	1500	21000
Pest Management	MD	20	1500	30000
Weeding	MD	28	1500	42000
Fertilising	MD	8	1500	12000
Harvesting	MD	24	1500	36000
Lunch	MD	111	300	33300
<b>SUBTOTAL</b>				<u><b>219800</b></u>
<b>Material Inputs</b>				
Planting Material				7000
Water				2000
Insecticide				28000
Fungicide				8000
Fertiliser				28000
Herbicide				12600
<b>SUBTOTAL</b>				<u><b>85600</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			8560
Contingencies	10 % of labour and material			30540
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			45810
<b>SUBTOTAL</b>				<u><b>115910</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>421310</b></u></u>



COST OF PRODUCTION ESTIMATE FOR PAW-PAW

Parish	St. Catherine					
Extension Area	Spanish Town					
Crop Maturity	270 days					
Reaping Period	5 Years					
Planting Distance in cm (l x w)	183 cm	x	183 cm	6 ft	x	6 ft
Planting Density @ 0.4 hectare	1210					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	13636					
Cost of Production \$/Kg	30.547					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	15000	15000
Harrowing	tractor	1	15000	15000
Furrowing	tractor	1	10000	10000
Dig Holes	CW	1	11000	11000
Lining Irrigation Hose	MD	3	1500	4500
Nursery Operations	MD	5	1500	7500
Transplanting	MD	4	1500	6000
Pest Management	MD	20	1500	30000
Weeding	MD	6	1500	9000
Fertilising	MD	8	1500	12000
Harvesting	MD	24	1500	36000
Lunch	MD	70	300	21000

SUBTOTAL 177000

**Material Inputs**

Planting Material	16000
Water	16000
Insecticide	33000
Fungicide	24000
Fertiliser	25000
Herbicide	4000

SUBTOTAL 118000

**Other Costs**

Transportation	10 % of material	11800
Contingencies	10 % of labour and material	29500
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	44250

SUBTOTAL 121550

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 416550

COST OF PRODUCTION ESTIMATE FOR CALLALOO

Parish	St. Catherine
Extension Area	Linstead
Crop Maturity	6 weeks
Reaping Period	5 months
Planting Distance in cm (l x w)	61 cm x 30.5 cm 2 ft x 1 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed Area	Semi-Irrigated 0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	15909
Cost of Production \$/Kg	26.22

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	11	2000	22000
Land Cleaning	MD	8	1500	12000
Nursery Operations	MD	1	1500	1500
Transplanting	MD	5	1500	7500
Pest Management	MD	60	1500	90000
Weeding	MD	20	1500	30000
Fertilising	MD	3	1500	4500
Harvesting	MD	30	1500	45000
Lunch	MD	127	300	38100
<b>SUBTOTAL</b>				<u><u>228600</u></u>

Material Inputs	Total Cost
Planting Material	1000
Fertiliser	50000
Insecticide	28000
Fungicide	5000
Herbicide	5200
<b>SUBTOTAL</b>	<u><u>89200</u></u>

Other Costs	Total Cost
Transportation	10 % of material 8920
Contingencies	10 % of labour and material 31780
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare 5000
Supervision	15% of labour and material 47670
<b>SUBTOTAL</b>	<u><u>99370</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>417170</u></u>

COST OF PRODUCTION ESTIMATE FOR PINEAPPLE (SUGAR LOAF)

Parish	St. Catherine
Extension Area	Linstead
Crop Maturity	18 months
Reaping Period	2 Months
Planting Distance in cm (l x w)	30.5 cm x 91.5 cm 1 ft x 3 ft
Planting Density @ 0.4 hectare	14520
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	11364
Cost of Production \$/Kg	25.02

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	2	4000	8000
Harrowing	tractor	1	4000	4000
Furrowing	tractor	1	4000	4000
Maintain Trench	MD	5	1500	7500
Planting	MD	10	1500	15000
Pest Management	MD	4	1500	6000
Weeding	MD	16	1500	24000
Fertilising	MD	3	1500	4500
Harvesting	MD	35	1500	52500
Lunch	MD	78	300	23400
<b>SUBTOTAL</b>				<u>156400</u>
<b>Material Inputs</b>				
Planting Material	*			7500
Fertiliser				24000
Baits				400
Herbicide				22000
<b>SUBTOTAL</b>				<u>53900</u>
<b>Other Costs</b>				
Transportation	10 % of material			5390
Contingencies	10 % of labour and material			21030
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			31545
<b>SUBTOTAL</b>				<u>73965</u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u>284265</u>

St. Elizabeth

Ginger Hill

Malvern

Pedro Plain

South Field

Santa Cruz

Braes River

Junction

COST OF PRODUCTION ESTIMATE FOR PINEAPPLE (COW BOY)

Parish	St. Elizabeth				
Extension Area	Ginger Hill				
Crop Maturity	440 days				
Reaping Period	Indefinite				
Planting Distance in cm (l x w)	61 cm	x	91.5 cm	2 ft	x 3 ft
Planting Density @ 0.4 hectare	7260				
Terrain	Hillside Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	11818				
Cost of Production \$/Kg	43.194				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	25	1500	37500
Ploughing	MD	12	1500	18000
Furrowing	MD	13	1500	19500
Maintain Trench	MD	10	1500	15000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	10	1500	15000
Pest Management	MD	3	1500	4500
Weeding	MD	8	3000	24000
Fertilising	MD	2	1500	3000
Harvesting	CW	1	44000	44000
Lunch	MD	107	300	32100

SUBTOTAL 215600

**Material Inputs**

Planting Material	*	18150
Baits		1000
Fungicide		48000
Fertiliser		95000
Herbicide		4500

SUBTOTAL 166650

**Other Costs**

Transportation	10 % of material	16665
Contingencies	10 % of labour and material	38225
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	57337.5

SUBTOTAL 128228

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 510478

COST OF PRODUCTION ESTIMATE FOR BROCCOLI

Parish	St. Elizabeth					
Extension Area	Malvern					
Crop Maturity	90 days					
Reaping Period	2 Months					
Planting Distance in cm (l x w)	106.75 cm	x	106.75 cm	3.5 ft	x	3.5 ft
Planting Density @ 0.4 hectare	3555.9					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	2727.3					
Cost of Production \$/Kg	103.94					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	4	1500	6000
Dig Holes	CW	1	9000	9000
Furrowing	MD	25	1500	37500
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	4	1500	6000
Pest Management	MD	10	1500	15000
Weeding	MD	3	3000	9000
Fertilising	MD	2	1500	3000
Harvesting	CW	1	44000	44000
Lunch	MD	52	300	15600
<b>SUBTOTAL</b>				<b><u>151100</u></b>
<b>Material Inputs</b>				
Planting Material				7500
Potting Mixture				1500
Seed Trays				1600
Water				5000
Insecticide				3000
Fungicide				2300
Fertiliser				18000
Herbicide				4500
<b>SUBTOTAL</b>				<b><u>43400</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			4340
Contingencies	10 % of labour and material			19450
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			29175
<b>SUBTOTAL</b>				<b><u>88965</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>283465</u></b>

COST OF PRODUCTION ESTIMATE FOR SWEET PEPPER

Parish	St. Elizabeth					
Extension Area	Malvern					
Crop Maturity	90 days					
Reaping Period	2 Months					
Planting Distance in cm (l x w)	91.5 cm	x	30.5 cm	3 ft	x	1 ft
Planting Density @ 0.4 hectare	14520					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	4090.9					
Cost of Production \$/Kg	68.869					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Dig Holes	CW	1	12000	12000
Planting	MD	15	1500	22500
Pest Management	MD	12	1500	18000
Weeding	MD	8	3000	24000
Fertilising	MD	4	1500	6000
Harvesting	CW	1	44000	44000
Lunch	MD	39	300	11700
<b>SUBTOTAL</b>				<u><u>141200</u></u>

Material Inputs	Total Cost
Planting Material	21700
Potting Mixture	4400
Seed Trays	8000
Insecticide	5000
Fungicide	5000
Fertiliser	20000
Herbicide	2000
<b>SUBTOTAL</b>	<u><u>66100</u></u>

Other Costs	Total Cost	
Transportation	10 % of material	6610
Contingencies	10 % of labour and material	20730
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	31095
<b>SUBTOTAL</b>		<u><u>74435</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>281735</u></u>

COST OF PRODUCTION ESTIMATE FOR TOMATO (PLUMMY)

Parish	St. Elizabeth					
Extension Area	Malvern					
Crop Maturity	90 days					
Reaping Period	2 Months					
Planting Distance in cm (l x w)	91.5 cm	x	61 cm	3 ft	x	2 ft
Planting Density @ 0.4 hectare	7260					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	16364					
Cost of Production \$/Kg	38.803					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Dig Holes	MD	10	12000	120000
Planting	MD	15	1500	22500
Nursery Operations	MD	3	1500	4500
Mulching	MD	3	1500	4500
Transplanting	MD	10	1500	15000
Pest Management	MD	14	1500	21000
Stake and Tie	MD	14	1500	21000
Weeding	MD	3	3000	9000
Fertilising	MD	3	1500	4500
Harvesting	MD	40	1500	60000
Lunch	MD	117	300	35100

SUBTOTAL 320100

**Material Inputs**

Planting Material	44000
Mulch	25000
Potting Mixture	4400
Stakes	16000
Seed Trays	9500
Insecticide	15000
Fungicide	5000
Fertiliser	42000
Herbicide	1200

SUBTOTAL 162100

**Other Costs**

Transportation	10 % of material	16210
Contingencies	10 % of labour and material	48220
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	72330

SUBTOTAL 152760

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 634960



COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	St. Elizabeth					
Extension Area	Malvern					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	22.875 cm	x	30.5 cm	0.75 ft	x	1 ft
Planting Density @ 0.4 hectare	58080					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	4545.5					
Cost of Production \$/Kg	44.078					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	1	1500	1500
Dig Holes	tractor	1	9000	9000
Furrowing	tractor	1	5000	5000
Planting	MD	2	1500	3000
Pest Management	MD	6	1500	9000
Weeding	MD	2	3000	6000
Fertilising	MD	1	1500	1500
Harvesting	MD	24	1500	36000
Lunch	MD	42	300	12600
<b>SUBTOTAL</b>				<b><u>83600</u></b>

Material Inputs	Total Cost
Planting Material	750
Insecticide	18000
Fungicide	12000
Fertiliser	22000
Herbicide	6400
<b>SUBTOTAL</b>	<b><u>59150</u></b>

Other Costs	Total Cost	
Transportation	10 % of material	5915
Contingencies	10 % of labour and material	14275
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	21412.5
<b>SUBTOTAL</b>		<b><u>57602.5</u></b>

<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<b><u>200353</u></b>
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COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	St. Elizabeth					
Extension Area	Malvern					
Crop Maturity	110 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x	2 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	4090.9					
Cost of Production \$/Kg	62.627					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Ploughing	tractor	1	10000	10000
Harrowing	MD	8	1500	12000
Planting	MD	8	1500	12000
Pest Management	MD	6	1500	9000
Weeding	MD	8	1500	12000
Fertilising	MD	2	1500	3000
Harvesting	MD	12	1500	18000
Lunch	MD	46	300	13800

SUBTOTAL 92800

**Material Inputs**

Planting Material	36000
Insecticide	20000
Fungicide	12000
Fertiliser	23000
Herbicide	1000

SUBTOTAL 92000

**Other Costs**

Transportation	10 % of material	9200
Contingencies	10 % of labour and material	18480
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	27720

SUBTOTAL 71400

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 256200

COST OF PRODUCTION ESTIMATE FOR SWEET POTATO

Parish	St. Elizabeth
Extension Area	Malvern
Crop Maturity	90 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	61 cm x 61 cm 2 ft x 2 ft
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	11364
Cost of Production \$/Kg	20.354

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Ploughing	tractor	1	10000	10000
Harrowing	MD	8	1500	12000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	3	1500	4500
Pest Management	MD	1	1500	1500
Weeding	MD	3	1500	4500
Fertilising	MD	2	1500	3000
Harvesting	MD	65	1500	97500
Lunch	MD	46	300	13800

SUBTOTAL 152800

**Material Inputs**

Planting Material	*	2500
Insecticide		1500
Baits		800
Fungicide		0
Fertiliser		12000
Herbicide		1200

SUBTOTAL 18000

**Other Costs**

Transportation	10 % of material	1800
Contingencies	10 % of labour and material	17080
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	25620

SUBTOTAL 60500

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 231300

COST OF PRODUCTION ESTIMATE FOR WATERMELON

Parish	St. Elizabeth					
Extension Area	Malvern					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	122 cm	x	91.5 cm	4 ft	x	3 ft
Planting Density @ 0.4 hectare	3630					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	11364					
Cost of Production \$/Kg	20.77					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Dig Holes	MD	5	2000	10000
Nursery Operations	MD	2	1500	3000
Prepare Planting Material	MD	2	1500	3000
Mulching	MD	5	1500	7500
Transplanting	MD	4	1500	6000
Pest Management	MD	14	1500	21000
Weeding	MD	6	3000	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000
Lunch	MD	62	300	18600
<b>SUBTOTAL</b>				<u><b>123100</b></u>
<b>Material Inputs</b>				
Planting Material				15000
Insecticide				12000
Seed Trays				1500
Fungicide				4000
Fertiliser				15000
Herbicide				1500
<b>SUBTOTAL</b>				<u><b>49000</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			4900
Contingencies	10 % of labour and material			17210
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			25815
<b>SUBTOTAL</b>				<u><b>63925</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>236025</b></u></u>

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. Elizabeth
Extension Area	Malvern
Crop Maturity	90 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	61 cm x 61 cm 2 ft x 2 ft
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Semi-Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	9545.5
Cost of Production \$/Kg	32.908

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Ploughing	MD	10	2000	20000
Nursery Operations	MD	2	1500	3000
Mulching	MD	8	1500	12000
Transplanting	MD	8	1500	12000
Pest Management	MD	12	1500	18000
Weeding	MD	8	3000	24000
Fertilising	MD	2	1500	3000
Harvesting	MD	15	1500	22500
Lunch	MD	67	300	20100

SUBTOTAL 137600

**Material Inputs**

Planting Material	8000
Water	15000
Mulch	25000
Insecticide	12000
Fungicide	0
Fertiliser	24000
Herbicide	3500

SUBTOTAL 87500

**Other Costs**

Transportation	10 % of material	8750
Contingencies	10 % of labour and material	22510
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	14000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	33765

SUBTOTAL 89025

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 314125

COST OF PRODUCTION ESTIMATE FOR CANTALOUPE

Parish	St. Elizabeth					
Extension Area	Pedro Plain					
Crop Maturity	70 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	122 cm	x	91.5 cm	4 ft	x	3 ft
Planting Density @ 0.4 hectare	3630					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Semi-Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	5454.5					
Cost of Production \$/Kg	79.626					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Ploughing	MD	10	2000	20000
Harrowing	MD	8	1500	12000
Mulching	MD	5	1500	7500
Dig Holes	MD	2	1500	3000
Planting	MD	2	1500	3000
Pest Management	MD	9	1500	13500
Weeding	MD	12	3000	36000
Fertilising	MD	2	1500	3000
Harvesting	MD	4	1500	6000
Lunch	MD	56	300	16800

SUBTOTAL 123800

**Material Inputs**

Planting Material	16000
Water	70000
Mulch	35000
Insecticide	25000
Fungicide	20000
Fertiliser	25000
Herbicide	3500

SUBTOTAL 194500

**Other Costs**

Transportation	10 % of material	19450
Contingencies	10 % of labour and material	31830
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	14000
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	47745

SUBTOTAL 116025

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 434325

COST OF PRODUCTION ESTIMATE FOR WATERMELON

Parish	St. Elizabeth					
Extension Area	Pedro Plain					
Crop Maturity	70 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	122 cm	x	91.5 cm	4 ft	x	3 ft
Planting Density @ 0.4 hectare	3630					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Semi-Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	7727.3					
Cost of Production \$/Kg	57.622					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Ploughing	MD	10	2000	20000
Harrowing	MD	8	1500	12000
Mulching	MD	9	1500	13500
Dig Holes	MD	3	1500	4500
Planting	MD	2	1500	3000
Pest Management	MD	10	1500	15000
Weeding	MD	24	3000	72000
Fertilising	MD	4	1500	6000
Harvesting	MD	7	1500	10500
Lunch	MD	79	300	23700

SUBTOTAL 183200

**Material Inputs**

Planting Material	6600
Water	19500
Mulch	42000
Insecticide	25000
Fungicide	25000
Fertiliser	26000
Herbicide	3500

SUBTOTAL 147600

**Other Costs**

Transportation	10 % of material	14760
Contingencies	10 % of labour and material	33080
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	14000
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	49620

SUBTOTAL 114460

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 445260

COST OF PRODUCTION ESTIMATE FOR HONEY DEW MELON

Parish	St. Elizabeth
Extension Area	Pedro Plain
Crop Maturity	63 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	91.5 cm x 91.5 cm 3 ft x 3 ft
Planting Density @ 0.4 hectare	4840
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Semi-Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	7272.7
Cost of Production \$/Kg	65.35

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Ploughing	MD	10	2000	20000
Harrowing	MD	8	1500	12000
Mulching	MD	9	1500	13500
Dig Holes	MD	4	1500	6000
Planting	MD	2	1500	3000
Pest Management	MD	11	1500	16500
Weeding	MD	24	3000	72000
Fertilising	MD	4	1500	6000
Harvesting	MD	7	1500	10500
Lunch	MD	81	300	24300

SUBTOTAL 186800

**Material Inputs**

Planting Material	42000
Water	9000
Mulch	42000
Insecticide	20000
Fungicide	20000
Fertiliser	30000
Herbicide	3500

SUBTOTAL 166500

**Other Costs**

Transportation	10 % of material	16650
Contingencies	10 % of labour and material	35330
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	14000
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	52995

SUBTOTAL 121975

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 475275



COST OF PRODUCTION ESTIMATE FOR ESCALLION

Parish	St. Elizabeth					
Extension Area	Pedro Plain					
Crop Maturity	35 days					
Reaping Period	8.5 Months					
Planting Distance in cm (l x w)	30.5 cm	x	30.5 cm	1 ft	x	1 ft
Planting Density @ 0.4 hectare	43560					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	5909.1					
Cost of Production \$/Kg	113.9					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Ploughing	MD	10	1500	15000
Harrowing	MD	8	1500	12000
Furrowing	MD	8	1500	12000
Mulching	MD	9	1500	13500
Dig Holes/Plant	MD	30	1500	45000
Pest Management	MD	15	1500	22500
Weeding	MD	25	3000	75000
Fertilising	MD	9	1500	13500
Harvesting	MD	50	1500	75000
Lunch	MD	166	300	49800
<b>SUBTOTAL</b>				<b><u>336300</u></b>
<b>Material Inputs</b>				
Planting Material				36000
Mulch				42000
Insecticide				12000
Fungicide				12000
Fertiliser				75000
Herbicide				3500
<b>SUBTOTAL</b>				<b><u>180500</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			18050
Contingencies	10 % of labour and material			51680
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			3000
Supervision	15% of labour and material			77520
<b>SUBTOTAL</b>				<b><u>156250</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>673050</u></b>

COST OF PRODUCTION ESTIMATE FOR BROCCOLI

Parish	St. Elizabeth
Extension Area	Southfield
Crop Maturity	60 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	61 cm x 61 cm 2 ft x 2 ft
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	8181.8
Cost of Production \$/Kg	38.83

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Dig Holes	MD	12	1500	18000
Mulching	MD	9	1500	13500
Planting	MD	8	1500	12000
Pest Management	MD	6	1500	9000
Weeding	MD	12	3000	36000
Fertilising	MD	2	1500	3000
Harvesting	MD	18	1500	27000
Lunch	MD	69	300	20700

SUBTOTAL 142200

**Material Inputs**

Planting Material	9500
Mulch	42000
Insecticide	10000
Fungicide	2000
Fertiliser	30000
Herbicide	3500

SUBTOTAL 97000

**Other Costs**

Transportation	10 % of material	9700
Contingencies	10 % of labour and material	23920
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	35880

SUBTOTAL 78500

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 317700

COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	St. Elizabeth					
Extension Area	Southfield					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	30.5 cm	x	30.5 cm	1 ft	x	1 ft
Planting Density @ 0.4 hectare	43560					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	3636.4					
Cost of Production \$/Kg	56.942					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Ploughing	tractor	1	6000	6000
Harrowing	tractor	1	6000	6000
Furrowing	MD	4	1500	6000
Mulching	MD	8	1500	12000
Planting	MD	1	1500	1500
Pest Management	MD	3	1500	4500
Weeding	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Harvesting	MD	8	1500	12000
Lunch	MD	33	300	9900
<b>SUBTOTAL</b>				<b><u>71400</u></b>
<b>Material Inputs</b>				
Planting Material				6600
Mulch				42000
Insecticide				4000
Fungicide				5000
Fertiliser				18000
Herbicide				5000
<b>SUBTOTAL</b>				<b><u>80600</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			8060
Contingencies	10 % of labour and material			15200
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			3000
Supervision	15% of labour and material			22800
<b>SUBTOTAL</b>				<b><u>55060</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>207060</u></b>

COST OF PRODUCTION ESTIMATE FOR SWEET PEPPER

Parish	St. Elizabeth					
Extension Area	Southfield					
Crop Maturity	90 days					
Reaping Period	4 Months					
Planting Distance in cm (l x w)	61 cm	x	61 cm	2 ft	x	2 ft
Planting Density @ 0.4 hectare	10890					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	12727					
Cost of Production \$/Kg	45.116					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Dig Holes	MD	15	1500	22500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	6	1500	9000
Mulching	MD	12	1500	18000
Pest Management	MD	15	1500	22500
Weeding	MD	30	1500	45000
Fertilising	MD	6	1500	9000
Harvesting	MD	65	1500	97500
Lunch	MD	154	300	46200

SUBTOTAL 277200

**Material Inputs**

Planting Material	22000
Mulch	42000
Seed Trays	2000
Potting Mixture	7000
Insecticide	14000
Fungicide	20000
Fertiliser	50000
Herbicide	5000

SUBTOTAL 162000

**Other Costs**

Transportation	10 % of material	16200
Contingencies	10 % of labour and material	43920
**Tools discounted for 5 years	(fork,hoe,shovel,maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	65880

SUBTOTAL 135000

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 574200

COST OF PRODUCTION ESTIMATE FOR TOMATO (SLICING)

Parish	St. Elizabeth					
Extension Area	Southfield					
Crop Maturity	90 days					
Reaping Period	3 Months					
Planting Distance in cm (l x w)	91.5 cm	x	61 cm	3 ft	x	2 ft
Planting Density @ 0.4 hectare	7260					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	14545					
Cost of Production \$/Kg	45.091					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1500	3000
Dig Holes	MD	12	1500	18000
Nursery Operations	MD	3	1500	4500
Transplanting	MD	6	1500	9000
Mulching	MD	14	1500	21000
Stake and Tie	MD	13	1500	19500
Pest Management	MD	20	1500	30000
Weeding	MD	20	1500	30000
Fertilising	MD	2	1500	3000
Harvesting	MD	50	1500	75000
Lunch	MD	142	300	42600

SUBTOTAL 255600

**Material Inputs**

Planting Material	50000
Mulch	42000
Stakes	18000
Seed Trays	7500
Potting Mixture	7000
Insecticide	26000
Fungicide	35000
Fertiliser	52000
Herbicide	5000

SUBTOTAL 242500

**Other Costs**

Transportation	10 % of material	24250
Contingencies	10 % of labour and material	49810
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	74715

SUBTOTAL 157775

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 655875

COST OF PRODUCTION ESTIMATE FOR PEANUT

Parish	St. Elizabeth
Extension Area	Santa Cruz
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	0 cm x 0 cm 1 ft x 1 ft
Planting Density @ 0.4 hectare	43560
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	100 bushels
Cost of Production \$/Bushel	1273.4

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1500	1500
Ploughing	tractor	2	7000	14000
Prepare Planting Material	MD	1	1500	1500
Planting	MD	2	1500	3000
Fertilising	MD	1	1500	1500
Weeding	MD	1	1500	1500
Pest Management	CW	2	4000	8000
Harvesting (excluding shelling)	CW	2	6000	12000
Lunch	MD	6	300	1800
<b>SUBTOTAL</b>				<u><u>44800</u></u>

Material Inputs	Total Cost
Planting Material	3600
Herbicide	10000
Insecticide	3000
Fungicide	4800
Fertiliser	27000
<b>SUBTOTAL</b>	<u><u>48400</u></u>

Other Costs	Total Cost
Transportation	10 % of material 4840
Contingencies	10 % of labour and material 9320
**Tools discounted for 5 years	(fork, hoe, shovel, machete et 2000
Land Charges per crop cycle	0.4 hectare 4000
Supervision	15% of labour and material 13980
<b>SUBTOTAL</b>	<u><u>34140</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>127340</u></u>

COST OF PRODUCTION ESTIMATE FOR BITTER CASSAVA

Parish	St. Elizabeth
Extension Area	Santa Cruz
Crop Maturity	12 Months
Reaping Period	4 Months
Planting Distance in cm (l x w)	152.5 cm x 91.5 cm                      5 ft x 3 ft
Planting Density @ 0.4 hectare	2904
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	5715
Cost of Production \$/Kg	29.44

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	2	6000	12000
Furrowing	tractor	2	5000	10000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	4	1500	6000
Fertilising	MD	1	1500	1500
Weeding	MD	4	1500	6000
Harvesting	MD	14	1500	21000
Lunch	MD	27	300	8100

SUBTOTAL 70600

**Material Inputs**

Planting Material	*	6000
Herbicide		3600
Fungicide		1800
Fertiliser		36000

SUBTOTAL 47400

**Other Costs**

Transportation	10 % of material	4740
Contingencies	10 % of labour and material	11800
**Tools discounted for 5 years	(fork, hoe, shovel, machete et	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	17700

SUBTOTAL 50240

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 168240

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER

Parish	St. Elizabeth
Extension Area	Santa Cruz
Crop Maturity	3 Months
Reaping Period	6 Months
Planting Distance in cm (l x w)	61 cm x 122 cm 2 ft x 4 ft
Planting Density @ 0.4 hectare	5445
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	6940
Cost of Production \$/Kg	57.20

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	MD	10	1500	15000
Furrowing	MD	5	1500	7500
Dig Holes	MD	2	1500	3000
Transplanting	MD	3	1500	4500
Mulching	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Weeding	MD	8	1500	12000
Pest Management	MD	16	1500	24000
Harvesting	MD	36	1500	54000
Lunch	MD	94	300	28200

SUBTOTAL 169200

**Material Inputs**

Planting Material	65340
Herbicide	5750
Mulch	15000
Insecticide	20800
Fungicide	4000
Fertiliser	17600

SUBTOTAL 128490

**Other Costs**

Transportation	10 % of material	12849
Contingencies	10 % of labour and material	29769
**Tools discounted for 5 years	(fork, hoe, shovel, machete et	6000
Land Charges per crop cycle	0.4 hectare	6000
Supervision	15% of labour and material	44654

SUBTOTAL 99272

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 396962



COST OF PRODUCTION ESTIMATE FOR PUMPKIN (NATIVE)

Parish	St. Elizabeth
Extension Area	Santa Cruz
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	213.5 cm x 213.5 cm                      7 ft x 7 ft
Planting Density @ 0.4 hectare	889
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	8164.8
Cost of Production \$/Kg	23.58

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	tractor	5	1500	7500
Furrowing	MD	6	1500	9000
Make Mounds	MD	4	1500	6000
Planting	MD	3	1500	4500
Fertilising	MD	2	1500	3000
Weeding	MD	10	1500	15000
Pest Management	MD	8	1500	12000
Harvesting	MD	11	1500	16500
Lunch	MD	50	300	15000
<b>SUBTOTAL</b>				<u><u>97500</u></u>

Material Inputs	Total Cost
Planting Material	3000
Herbicide	12000
Insecticide	14000
Fungicide	8000
Fertiliser	12000
<b>SUBTOTAL</b>	<u><u>49000</u></u>

Other Costs	Total Cost
Transportation	10 % of material 4900
Contingencies	10 % of labour and material 14650
**Tools discounted for 5 years (fork, hoe, shovel, machete et	2000
Land Charges per crop cycle	0.4 hectare 2500
Supervision	15% of labour and material 21975
<b>SUBTOTAL</b>	<u><u>46025</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>192525</u></u>

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	St. Elizabeth
Extension Area	Braes River
Crop Maturity	8 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	45.75 cm x 45.75 cm                      1.5 ft x 1.5 ft
Planting Density @ 0.4 hectare	19360
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	18000
Cost of Production \$/Kg	17.20

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Dig Holes	MD	8	1500	12000
Maintain Trench	CW	10	4000	40000
Furrowing	MD	6	1500	9000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000
Lunch	MD	56	300	16800

SUBTOTAL 140800

**Material Inputs**

Planting Material	63000
Herbicide	2700
Fertiliser	27000

SUBTOTAL 92700

**Other Costs**

Transportation	10 % of material	9270
Contingencies	10 % of labour and material	23350
**Tools discounted for 5 years	(fork, hoe, shovel, machete et	6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	35025

SUBTOTAL 76145

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 309645

**COST OF PRODUCTION ESTIMATE FOR WATERMELON**

Parish	St. Elizabeth
Extension Area	Junction
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	122 cm x 122 cm 4 ft x 4 ft
Planting Density @ 0.4 hectares	2723
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Semi-Irrigated
Area	0.4 Hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	6804
Cost of Production \$/Kg	61.47

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	18	1500	100000
Ploughing	MD	10	1500	20000
Nursery Operations	MD	9	1500	18000
Transplanting	MD	6	1500	12000
Pest Management	MD	8	1500	16000
Weeding	MD	17	1500	34000
Fertilising	MD	4	1500	8000
Harvesting	MD	36	1500	54000
Lunch	MD	108	300	32400
<b>SUBTOTAL</b>				<u><u>294400</u></u>

<b>Material Inputs</b>	Total Cost
Planting Material	8000
Seed Trays	2520
Water	5000
Fertiliser	9400
Insecticide	1200
Fungicide	3800
Herbicide	1000
<b>SUBTOTAL</b>	<u><u>30920</u></u>

<b>Other Costs</b>	Total Cost
Transportation	10 % of material 3092
Contingencies	10 % of labour and material 32532
**Tools discounted for 5 years (fork, hoe, shovel, mashette etc)	6000
Land Charges per crop cycle	0.4 hectare 2500
Supervision	15% of labour and material 48798
<b>SUBTOTAL</b>	<u><u>92922</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>418242</u></u>

**COST OF PRODUCTION ESTIMATE FOR TOMATO (SLICING)**

Parish	St. Elizabeth
Extension Area	Junction
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	91.5 cm x 61 cm 3 ft x 2 ft
Planting Density @ 0.4 hectares	3630
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 Hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	15000
Cost of Production \$/Kg	34.51

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Ploughing	MD	25	1500	37500
Nursery Operations	MD	20	1500	30000
Transplanting	MD	6	1500	9000
Stake and Tie	MD	15	1500	22500
Pest Management	MD	12	1500	18000
Weeding	MD	16	1500	24000
Fertilising	MD	4	1500	6000
Harvesting	MD	48	1500	72000
Lunch	MD	161	300	48300

SUBTOTAL 289800

**Material Inputs**

Planting Material	19800
Seed Trays	2520
Water	5000
Fertiliser	62050
Insecticide	2400
Fungicide	1000
Herbicide	1000
Stakes	15000

SUBTOTAL 108770

**Other Costs**

Transportation	10 % of material	10877
Contingencies	10 % of labour and material	39857
**Tools discounted for 5 years	(fork, hoe, shovel, mashette etc)	6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	59786

SUBTOTAL 119020

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 517590

**COST OF PRODUCTION ESTIMATE FOR CUCUMBER**

Parish	St. Elizabeth
Extension Area	Junction
Crop Maturity	1.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	91.5 cm x 61 cm 3 ft x 2 ft
Planting Density @ 0.4 hectares	3630
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	6084
Cost of Production \$/Kg	44.10

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Dig Holes	MD	20	1500	30000
Furrowing	MD	12	1500	18000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	2	1500	3000
Pest Management	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	30	1500	45000
Lunch	MD	90	300	27000
<b>SUBTOTAL</b>				<u><u>162000</u></u>

<b>Material Inputs</b>	Total Cost
Planting Material	8750
Fertiliser	9800
Insecticide	4500
Fungicide	2100
Herbicide	2500
<b>SUBTOTAL</b>	<u><u>27650</u></u>

<b>Other Costs</b>	Total Cost
Transportation	10 % of material 2765
Contingencies	10 % of labour and material 18965
**Tools discounted for 5 years (fork, hoe, shovel, mashette etc)	26000
Land Charges per crop cycle	0.4 hectare 2500
Supervision	15% of labour and material 28448
<b>SUBTOTAL</b>	<u><u>78678</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>268328</u></u>

**COST OF PRODUCTION ESTIMATE FOR ESCALLION**

Parish	St. Elizabeth
Extension Area	Junction
Crop Maturity	1.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30.5 cm x 61 cm 1 ft x 2 ft
Planting Density @ 0.4 hectares	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	8709
Cost of Production \$/Kg	70.56

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	15	1500	22500
Planting	MD	3	1500	4500
Mulching	MD	12	1500	18000
Pest Management	MD	24	1500	36000
Weeding	MD	48	1500	72000
Fertilising	MD	2	1500	3000
Harvesting	MD	72	1500	108000
Lunch	MD	186	300	55800
<b>SUBTOTAL</b>				<u><u>334800</u></u>

<b>Material Inputs</b>	Total Cost
Planting Material	5000
Mulch	42000
Fertiliser	37600
Insecticide	25000
Fungicide	18900
<b>SUBTOTAL</b>	<u><u>128500</u></u>

<b>Other Costs</b>	Total Cost
Transportation	10 % of material 12850
Contingencies	10 % of labour and material 46330
**Tools discounted for 5 years (fork, hoe, shovel, mashette etc)	20000
Land Charges per crop cycle	0.4 hectare 2500
Supervision	15% of labour and material 69495
<b>SUBTOTAL</b>	<u><u>151175</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>614475</u></u>

**COST OF PRODUCTION ESTIMATE FOR THYME**

Parish	St. Elizabeth				
Extension Area	Junction				
Crop Maturity	3 Months				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	45.75 cm	x	24.4 cm	1.5 ft	x 0.8 ft
Planting Density @ 0.4 hectares	18150				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Irrigated				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	2268				
Cost of Production \$/Kg	122.48				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	18	1500	27000
Lining Irrigation Hose	MD	2	1500	3000
Mulching	MD	4	1500	6000
Planting	MD	8	1500	12000
Pest Management	MD	8	1500	12000
Weeding	MD	8	1500	12000
Fertilising	MD	1	1500	1500
Harvesting	MD	12	1500	18000
Lunch	MD	66	300	19800

SUBTOTAL 118800

**Material Inputs**

Planting Material	15000
Fertiliser	23000
Insecticide	1000
Fungicide	16000
Herbicide	4400
Water	13400

SUBTOTAL 72800

**Other Costs**

Transportation	10 % of material	7280
Contingencies	10 % of labour and material	19160
**Tools discounted for 5 years	(fork, hoe, shovel, mashette etc)	26000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	28740

SUBTOTAL 86180

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 277780

St. James

Anchovy  
Maroon Town  
Catadupa



COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	St. James						
Extension Area	Anchovy						
Crop Maturity	90 days						
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x	2 ft	
Planting Density @ 0.4 hectare	21780						
Terrain	Relatively Flat Land Farm						
Land Preparation	Mechanical						
Irrigated/Rainfed	Irrigated						
Area	0.4 hectare						
Manday Charge (excluding lunch)	1500						
Projected Marketable Yield (Kg)	3636						
Cost of Production \$/Kg	81.40						

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	1	10000	10000
Harrowing	tractor	1	7000	7000
Furrowing	MD	8	1500	12000
Planting	MD	4	1500	6000
Pest Management	MD	10	1500	15000
Weeding	MD	12	1500	18000
Fertilising	MD	4	1500	6000
Harvesting	MD	8	1500	12000
Lunch	MD	48	300	14400
<b>SUBTOTAL</b>				<u>103400</u>

Material Inputs	Total Cost
Planting Material	54000
Fertiliser	32000
Water	5000
Insecticide	3500
Fungicide	6000
Herbicide	4500
<b>SUBTOTAL</b>	<u>105000</u>

Other Costs	Total Cost	
Transportation	10 % of material	10500
Contingencies	10 % of labour and material	20840
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		20000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	31260
<b>SUBTOTAL</b>		<u>87600</u>

<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>296000</u></u>
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COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. James
Extension Area	Anchovy
Crop Maturity	90 days
Planting Distance in cm (l x w)	30.5 cm      x      61 cm      1 ft      x      2 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	15909
Cost of Production \$/Kg	34.58

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	15	10000	150000
Dig Holes	MD	10	1500	15000
Lining Irrigation Hose	MD	3	1500	4500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	20	1500	30000
Pest Management	MD	12	1500	18000
Weeding	MD	24	1500	36000
Fertilising	MD	5	1500	7500
Harvesting	MD	18	1500	27000
Lunch	MD	120	300	36000

SUBTOTAL 343500

**Material Inputs**

Planting Material	10000
Fertiliser	24000
Water	6000
Insecticide	15000
Fungicide	7000
Herbicide	4500

SUBTOTAL 66500

**Other Costs**

Transportation	10 % of material	6650
Contingencies	10 % of labour and material	41000
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	61500

SUBTOTAL 140150

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 550150

COST OF PRODUCTION ESTIMATE FOR LETTUCE

Parish	St. James
Extension Area	Anchovy
Crop Maturity	90 days
Planting Distance in cm (l x w)	30.5 cm x 61 cm 1 ft x 2 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	11364
Cost of Production \$/Kg	36.84

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	10	2500	25000
Ploughing	CW	10	3000	30000
Furrowing	CW	10	2000	20000
Lining Irrigation Hose	MD	3	1500	4500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	20	1500	30000
Pest Management	MD	12	1500	18000
Weeding	MD	13	1500	19500
Fertilising	MD	4	1500	6000
Harvesting	MD	15	1500	22500
Lunch	MD	70	300	21000
<b>SUBTOTAL</b>				<u><u>201000</u></u>

Material Inputs	Total Cost
Planting Material	10000
Fertiliser	30000
Water	15000
Insecticide	20000
Fungicide	16000
Herbicide	10000
<b>SUBTOTAL</b>	<u><u>101000</u></u>

Other Costs	Total Cost	
Transportation	10% of material	10100
Contingencies	10% of labour and material	30200
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		26000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	45300
<b>SUBTOTAL</b>		<u><u>116600</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>418600</u></u>

COST OF PRODUCTION ESTIMATE FOR CALLALOO

Parish	St. James
Extension Area	Anchovy
Crop Maturity	90 days
Reaping Period	6 Months
Planting Distance in cm (l x w)	30.5 cm x 61 cm 1 ft x 2 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	7727
Cost of Production \$/Kg	67.39

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	10	2500	25000
Ploughing	CW	10	3000	30000
Furrowing	CW	10	2000	20000
Lining Irrigation Hose	MD	3	1500	4500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	20	1500	30000
Pest Management	MD	12	1500	18000
Weeding	MD	13	1500	19500
Fertilising	MD	4	1500	6000
Harvesting	MD	40	1500	60000
Lunch	MD	95	300	28500
<b>SUBTOTAL</b>				<u><b>246000</b></u>
<b>Material Inputs</b>				
Planting Material				10000
Fertiliser				40000
Water				15000
Insecticide				30000
Fungicide				30000
Herbicide				10000
<b>SUBTOTAL</b>				<u><b>135000</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			13500
Contingencies	10 % of labour and material			38100
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			57150
<b>SUBTOTAL</b>				<u><b>139750</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>520750</b></u></u>

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. James
Extension Area	Anchovy
Crop Maturity	64 days
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30.5 cm x 61 cm 1 ft x 2 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	7273
Cost of Production \$/Kg	52.63

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	16	2500	40000
Ploughing	MD	12	1500	18000
Furrowing	MD	8	1500	12000
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	7	1500	10500
Pest Management	MD	9	1500	13500
Weeding	MD	8	1500	12000
Fertilising	MD	3	1500	4500
Harvesting	MD	18	1500	27000
Lunch	MD	87	300	26100
<b>SUBTOTAL</b>				<u><b>172600</b></u>
<b>Material Inputs</b>				
Planting Material				4500
Water				15000
Insecticide				4000
Fungicide				0
Fertiliser				75000
Herbicide				1500
<b>SUBTOTAL</b>				<u><b>100000</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			10000
Contingencies	10 % of labour and material			27260
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			6000
Supervision	15% of labour and material			40890
<b>SUBTOTAL</b>				<u><b>110150</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><b>382750</b></u>

COST OF PRODUCTION ESTIMATE FOR GINGER

Parish	St. James
Extension Area	Maroon Town
Crop Maturity	270 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	24.4 cm x 91.5 cm 0.8 ft x 3 ft
Planting Density @ 0.4 hectare	18150
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	10000
Cost of Production \$/Kg	58.118

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	10	4000	40000
Ploughing	MD	15	10000	150000
Harrowing	MD	15	5000	75000
Furrowing	MD	10	1500	15000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	10	1500	15000
Weeding	MD	30	1500	45000
Fertilising	MD	3	1500	4500
Harvesting	MD	15	1500	22500
Lunch	MD	110	250	27500
<b>SUBTOTAL</b>				<u><u>397500</u></u>
<b>Material Inputs</b>				
Planting Material	*			6000
Fertiliser				40000
Insecticide				0
Fungicide				0
Herbicide				8300
<b>SUBTOTAL</b>				<u><u>54300</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			5430
Contingencies	10 % of labour and material			45180
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			67770
<b>SUBTOTAL</b>				<u><u>129380</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>581180</u></u>

COST OF PRODUCTION ESTIMATE FOR COCO

Parish	St. James
Extension Area	Maroon Town
Crop Maturity	270 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	152.5 cm x 61 cm 5 ft x 2 ft
Planting Density @ 0.4 hectare	4356
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	9091
Cost of Production \$/Kg	25.19

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1500	4500
Ploughing	CW	1	40000	40000
Dig Holes	CW	1	40000	40000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	3	1500	4500
Weeding	MD	16	1500	24000
Fertilising	MD	2	1500	3000
Harvesting	MD	8	1500	12000
Lunch	MD	34	250	8500
<b>SUBTOTAL</b>				<u><u>139500</u></u>

Material Inputs		Total Cost
Planting Material	*	4000
Fertiliser		20000
Insecticide		0
Fungicide		0
Herbicide		8300
<b>SUBTOTAL</b>		<u><u>32300</u></u>

Other Costs		Total Cost
Transportation	10 % of material	3230
Contingencies	10 % of labour and material	17180
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	25770
<b>SUBTOTAL</b>		<u><u>57180</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>228980</u></u>

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	St. James
Extension Area	Maroon Town
Crop Maturity	300 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	61 cm x 61 cm 2 ft x 2 ft
Planting Density @ 0.4 hectare	10890
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	9091
Cost of Production \$/Kg	19.49

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Dig Holes	CW	1	40000	40000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	6	1500	9000
Pest Management	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Weeding	MD	4	1500	6000
Harvesting	MD	12	1500	18000
Lunch	MD	31	300	9300
<b>SUBTOTAL</b>				<u><u>95800</u></u>

Material Inputs		Total Cost
Planting Material	*	5000
Insecticide		0
Fungicide		0
Fertiliser		18000
Herbicide		4000
<b>SUBTOTAL</b>		<u><u>27000</u></u>

Other Costs		Total Cost
Transportation	10 % of material	2700
Contingencies	10 % of labour and material	12280
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	15000
Supervision	15% of labour and material	18420
<b>SUBTOTAL</b>		<u><u>54400</u></u>

<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>177200</u></u>
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COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. James
Extension Area	Maroon Town
Crop Maturity	64 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	45.75 cm x 45.75 cm 1.5 ft x 1.5 ft
Planting Density @ 0.4 hectare	19360
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	13636
Cost of Production \$/Kg	26.92

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	5	1500	7500
Ploughing	MD	25	1500	37500
Furrowing	MD	8	1500	12000
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	16	1500	24000
Pest Management	MD	7	1500	10500
Weeding	MD	8	3000	24000
Fertilising	MD	4	1500	6000
Harvesting	MD	18	1500	27000
Lunch	MD	97	300	29100
<b>SUBTOTAL</b>				<u><b>186600</b></u>
<b>Material Inputs</b>				
Planting Material				8000
Insecticide				20000
Fungicide				15000
Fertiliser				45000
Herbicide				4500
<b>SUBTOTAL</b>				<u><b>92500</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			9250
Contingencies	10 % of labour and material			27910
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			3000
Supervision	15% of labour and material			41865
<b>SUBTOTAL</b>				<u><b>88025</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><b>367125</b></u>

COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	St. James
Extension Area	Maroon Town
Crop Maturity	270 days
Planting Distance in cm (l x w)	213.5 cm x 183 cm 7 ft x 6 ft
Planting Density @ 0.4 hectare	1037
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	10227
Cost of Production \$/Kg	34.83

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	8	1500	12000
Make Mounds	CW	1	50000	50000
Maintain Trench	CW	5	2000	10000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	10	1500	15000
Stake and Tie	MD	10	1500	15000
Weeding	MD	6	1500	9000
Pest Management	MD	2	1500	3000
Fertilising	MD	3	1500	4500
Harvesting	MD	50	1500	75000
Lunch	MD	91	300	27300
<b>SUBTOTAL</b>				<u><u>223800</u></u>
<b>Material Inputs</b>				
Planting Material	*			5000
Fertiliser				20000
Stakes	*			20000
Fungicide				0
Herbicide				3500
<b>SUBTOTAL</b>				<u>48500</u>
<b>Other Costs</b>				
Transportation	10 % of material			4850
Contingencies	10 % of labour and material			27230
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			40845
<b>SUBTOTAL</b>				<u>83925</u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>356225</u></u>

COST OF PRODUCTION ESTIMATE FOR PINEAPPLE (COW BOY)

Parish	St. James
Extension Area	Catadupa
Crop Maturity	12 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	122 cm x 61 cm 4 ft x 2 ft
Planting Density @ 0.4 hectare	5445
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	10264
Cost of Production \$/Kg	22.40

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	30	1500	45000
Planting	MD	15	1500	22500
Fertilising	MD	2	1500	3000
Weeding	MD	9	1500	13500
Harvesting	MD	12	1500	18000
Lunch	MD	78	300	23400
<b>SUBTOTAL</b>				<u><u>140400</u></u>
<b>Material Inputs</b>				
Planting Material	*			4000
Herbicide				6300
Insecticide				2400
Fertiliser				14300
Baits				1440
<b>SUBTOTAL</b>				<u><u>28440</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			2844
Contingencies	10 % of labour and material			16884
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			25326
<b>SUBTOTAL</b>				<u><u>61054</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>229894</u></u>

COST OF PRODUCTION ESTIMATE FOR PAW-PAW

Parish	St. James
Extension Area	Catadupa
Crop Maturity	10 Months
Reaping Period	2 Years
Planting Distance in cm (l x w)	244 cm x 244 cm 8 ft x 8 ft
Planting Density @ 0.4 hectare	680.625
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	23500
Cost of Production \$/Kg	26.93

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	20	1500	30000
Dig Holes	MD	15	1500	22500
Maintain Trench	MD	24	1500	36000
Transplanting	MD	8	1500	12000
Weeding	MD	11	1500	16500
Fertilising	MD	8	1500	12000
Harvesting	MD	100	1500	150000
Lunch	MD	194	300	58200

SUBTOTAL 349200

**Material Inputs**

Planting Material	*	15000
Herbicide		16000
Insecticide		47096
Fungicide		13440
Fertiliser		32000
Seed Trays		6000
Baits		4000

SUBTOTAL 133536

**Other Costs**

Transportation	10 % of material	13354
Contingencies	10 % of labour and material	48274
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	72410

SUBTOTAL 150038

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 632774

St. Mary

Annotto Bay  
Gayle

COST OF PRODUCTION ESTIMATE FOR SWEET POTATO

Parish	St. Mary
Extension Area	Annotto Bay
Crop Maturity	110 days
Reaping Period	1 Month
Planting Distance in cm (l x w)	91.5 cm x 61 cm 3 ft x 2 ft
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	11364
Cost of Production \$/Kg	18.98

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	16000	16000
Harrowing	tractor	1	10000	10000
Furrowing	tractor	1	10000	10000
Prepare Planting Material	MD	6	1200	7200
Planting	MD	12	1200	14400
Pest Management	MD	12	1200	14400
Weeding	MD	2	1200	2400
Fertilising	MD	4	1200	4800
Harvesting	MD	30	1200	36000
Lunch	MD	66	250	16500

SUBTOTAL 131700

**Material Inputs**

Planting Material	*	4500
Insecticide		3000
Fungicide		3200
Fertiliser		13500
Herbicide		4000

SUBTOTAL 28200

**Other Costs**

Transportation	10 % of material	2820
Contingencies	10 % of labour and material	15990
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	7000
Supervision	15% of labour and material	23985

SUBTOTAL 55795

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 215695

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (BODLES GLOBE)

Parish	St. Mary
Extension Area	Annotto Bay
Crop Maturity	84 days
Reaping Period	2 Months
Planting Distance in cm (l x w)	152.5 cm x 305 cm 5 ft x 10 ft
Planting Density @ 0.4 hectare	871
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	11364
Cost of Production \$/Kg	14.74

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	16000	16000
Harrowing	tractor	1	10000	10000
Furrowing	tractor	1	10000	10000
Planting	MD	3	1200	3600
Pest Management	MD	15	1200	18000
Weeding	MD	2	1200	2400
Fertilising	MD	2	1200	2400
Harvesting	MD	20	1200	24000
Lunch	MD	42	250	10500
<b>SUBTOTAL</b>				<b>96900</b>

Material Inputs	Total Cost
Planting Material	2000
Insecticide	4700
Fungicide	500
Fertiliser	13500
Herbicide	4000
<b>SUBTOTAL</b>	<b>24700</b>

Other Costs	Total Cost
Transportation	10 % of material 2470
Contingencies	10 % of labour and material 12160
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc) 6000
Land Charges per crop cycle	0.4 hectare 7000
Supervision	15% of labour and material 18240
<b>SUBTOTAL</b>	<b>45870</b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<b>167470</b>

COST OF PRODUCTION ESTIMATE FOR SCOTCH BONNET PEPPER

Parish	St. Mary					
Extension Area	Annotto Bay					
Crop Maturity	90 days					
Reaping Period	9 Months					
Planting Distance in cm (l x w)	152.5 cm	x	61 cm	5 ft	x	2 ft
Planting Density @ 0.4 hectare	4356					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Semi-Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1200					
Projected Marketable Yield (Kg)	11364					
Cost of Production \$/Kg	75.63					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	tractor	1	6000	6000
Harrowing	tractor	1	6000	6000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	3	1200	3600
Planting	MD	7	1200	8400
Pest Management	MD	25	1200	30000
Weeding	CW	12	1200	14400
Fertilising	MD	27	1200	32400
Harvesting	MD	100	1200	120000
Lunch	MD	162	250	40500

SUBTOTAL 265300

**Material Inputs**

Planting Material	39204
Water	15000
Insecticide	84600
Fungicide	9000
Fertiliser	200000
Herbicide	13500

SUBTOTAL 361304

**Other Costs**

Transportation	10 % of material	36130
Contingencies	10 % of labour and material	62660
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	30000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	93991

SUBTOTAL 232781

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 859385



COST OF PRODUCTION ESTIMATE FOR HORSE PLANTAIN

Parish	St. Mary
Extension Area	Annotto Bay
Crop Maturity	330 days
Reaping Period	5 Years
Planting Distance in cm (l x w)	213.5 cm x 244 cm 7 ft x 8 ft
Planting Density @ 0.4 hectare	778
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	9091
Cost of Production \$/Kg	39.19

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	1	70000	70000
Dig Holes	MD	10	1500	15000
Pruning	MD	11	1500	16500
Planting	MD	5	1500	7500
Pest Management	MD	11	1500	16500
Weeding	MD	20	1500	30000
Fertilising	MD	4	1500	6000
Harvesting	MD	20	1500	30000
Lunch	MD	81	250	20250

SUBTOTAL 211750

**Material Inputs**

Planting Material	30000
Insecticide	5000
Fungicide	3500
Fertiliser	15000
Herbicide	2500

SUBTOTAL 56000

**Other Costs**

Transportation	10 % of material	5600
Contingencies	10 % of labour and material	26775
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	40163

SUBTOTAL 88538

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 356288

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. Mary					
Extension Area	Annotto Bay					
Crop Maturity	120 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x	2 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1200					
Projected Marketable Yield (Kg)	15909					
Cost of Production \$/Kg	17.51					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	tractor	1	25000	25000
Ploughing	tractor	1	6000	6000
Furrowing	tractor	1	6000	6000
Lining Irrigation Hose	MD	2	1200	2400
Nursery Operations	MD	3	1200	3600
Transplanting	MD	12	1200	14400
Pest Management	MD	18	1200	21600
Weeding	MD	11	1200	13200
Fertilising	MD	3	1200	3600
Harvesting	MD	18	1200	21600
Lunch	MD	67	250	16750
<b>SUBTOTAL</b>				<b><u>134150</u></b>
<b>Material Inputs</b>				
Planting Material				8500
Insecticide				15000
Fungicide				3500
Fertiliser				27000
Herbicide				1500
<b>SUBTOTAL</b>				<b><u>55500</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			5550
Contingencies	10 % of labour and material			18965
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			28448
<b>SUBTOTAL</b>				<b><u>88963</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>278613</u></b>

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. Mary
Extension Area	Gayle
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	61 cm x 61 cm 2 ft x 2 ft
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	12623
Cost of Production \$/Kg	22.06

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1500	1500
Ploughing	tractor	1	15000	15000
Furrowing	MD	10	1500	15000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	10	1500	15000
Fertilising	MD	1	1500	1500
Weeding	MD	15	1500	22500
Pest Management	MD	14	1500	21000
Harvesting	MD	20	1500	30000
Lunch	MD	76	300	22800

SUBTOTAL 151800

**Material Inputs**

Planting Material	4500
Herbicide	2000
Insecticide	9000
Fungicide	20400
Fertiliser	26500

SUBTOTAL 62400

**Other Costs**

Transportation	10 % of material	6240
Contingencies	10 % of labour and material	21420
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	2000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	32130

SUBTOTAL 64290

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 278490

COST OF PRODUCTION ESTIMATE FOR SWEET POTATO

Parish	St. Mary
Extension Area	Gayle
Crop Maturity	3.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30.5 cm x 30.5 cm 1 ft x 1 ft
Planting Density @ 0.4 hectare	43560
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	12000
Cost of Production \$/Kg	18.94

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	1	15000	15000
Harrowing	tractor	1	8000	8000
Furrowing	tractor	1	4000	4000
Prepare Planting Material	MD	8	1500	12000
Planting	MD	16	1500	24000
Fertilising	MD	2	1500	3000
Weeding	MD	25	1500	37500
Harvesting	MD	15	1500	22500
Lunch	MD	68	300	20400
<b>SUBTOTAL</b>				<u><u>149400</u></u>

Material Inputs		
Planting Material	*	7950
Fertiliser		16000
Herbicide		2000
<b>SUBTOTAL</b>		<u><u>25950</u></u>

Other Costs		
Transportation	10 % of material	2595
Contingencies	10 % of labour and material	17535
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	26302.5
<b>SUBTOTAL</b>		<u><u>51932.5</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>227283</u></u>

COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	St. Mary
Extension Area	Gayle
Crop Maturity	9.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	183 cm x 213.5 cm 6 ft x 7 ft
Planting Density @ 0.4 hectare	1037
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	11000
Cost of Production \$/Kg	43.08

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	25	1500	37500
Ploughing	tractor	1	21500	21500
Prepare Planting Material	MD	8	1500	12000
Dig Holes	CW	1	40	60000
Planting	MD	5	1500	7500
Fertilising	MD	1	1500	1500
Weeding	MD	30	1500	45000
Stake and Tie	MD	25	1500	37500
Harvesting	MD	25	1500	37500
Lunch	MD	121	300	36300
<b>SUBTOTAL</b>				<u><u>296300</u></u>

Material Inputs		Total Cost
Planting Material	*	9000
Herbicide		2000
Fertiliser		35000
Stakes	*	22500
<b>SUBTOTAL</b>		<u><u>68500</u></u>

Other Costs		Total Cost
Transportation	10 % of material	6850
Contingencies	10 % of labour and material	36480
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	54720
<b>SUBTOTAL</b>		<u><u>109050</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>473850</u></u>

COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	St. Mary
Extension Area	Gayle
Crop Maturity	3 Months
Reaping Period	2 weeks
Planting Distance in cm (l x w)	30.5 cm x 61 cm 1 ft x 2 ft
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	8182
Cost of Production \$/Kg	42.26

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1500	1500
Ploughing	tractor	1	15000	15000
Furrowing	tractor	1	4000	4000
Planting	MD	11	1500	16500
Fertilising	MD	2	1500	3000
Weeding	MD	22	1500	33000
Pest Management	MD	14	1500	21000
Harvesting	MD	6	1500	9000
Lunch	MD	56	300	16800

SUBTOTAL 119800

**Material Inputs**

Planting Material	58000
Herbicide	900
Insecticide	10000
Fungicide	19000
Fertiliser	53220

SUBTOTAL 141120

**Other Costs**

Transportation	10 % of material	14112
Contingencies	10 % of labour and material	26092
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	39138

SUBTOTAL 84842

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 345762

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (NATIVE)

Parish	St. Mary
Extension Area	Gayle
Crop Maturity	4 Months
Reaping Period	3 weeks
Planting Distance in cm (l x w)	305 cm x 305 cm 10 ft x 10 ft
Planting Density @ 0.4 hectare	436
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	12000
Cost of Production \$/Kg	15.57

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1500	1500
Ploughing	tractor	1	15000	15000
Furrowing	tractor	1	4000	4000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	5	1500	7500
Fertilising	MD	1	1500	1500
Weeding	MD	10	1500	15000
Pest Management	MD	9	1500	13500
Harvesting	MD	18	1500	27000
Lunch	MD	46	300	13800
<b>SUBTOTAL</b>				<u><u>101800</u></u>

Material Inputs	Total Cost
Planting Material	700
Herbicide	1800
Insecticide	10000
Fungicide	3600
Fertiliser	24000
<b>SUBTOTAL</b>	<u><u>40100</u></u>

Other Costs	Total Cost
Transportation	10 % of material 4010
Contingencies	10 % of labour and material 14190
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)	3000
Land Charges per crop cycle	0.4 hectare 2500
Supervision	15% of labour and material 21285
<b>SUBTOTAL</b>	<u><u>44985</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>186885</u></u>

St. Thomas

Bath

Seaforth

Morant Bay



COST OF PRODUCTION ESTIMATE FOR SCOTCH BONNET PEPPER

Parish	St. Thomas				
Extension Area	Bath				
Crop Maturity	90 days				
Reaping Period	12 Months				
Planting Distance in cm (l x w)	91.5 cm	x	152.5 cm	3 ft	x 5 ft
Planting Density @ 0.4 hectare	2904				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	7727				
Cost of Production \$/Kg	55.05				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	4500	9000
Ploughing	MD	10	1500	15000
Furrowing	MD	4	1500	6000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	4	1500	6000
Pest Management	MD	24	1500	36000
Weeding	MD	18	1500	27000
Fertilising	MD	8	1200	9600
Harvesting	MD	9	1500	13500
Lunch	MD	83	250	20750

SUBTOTAL 148850

**Material Inputs**

Fertiliser	120000
Insecticide	25000
Fungicide	15000
Herbicide	5400

SUBTOTAL 165400

**Other Costs**

Transportation	10 % of material	16540
Contingencies	10 % of labour and material	31425
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	47137.5

SUBTOTAL 111103

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 425353

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER (WI RED)

Parish	St. Thomas
Extension Area	Bath
Crop Maturity	90 days
Reaping Period	12 Months
Planting Distance in cm (l x w)	122 cm x 91.5 cm
Planting Density @ 0.4 hectare	3630
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	9091
Cost of Production \$/Kg	53.74

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	1	40000	40000
Ploughing	tractor	1	4000	4000
Harrowing	tractor	1	4000	4000
Furrowing	tractor	1	4000	4000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	5	1500	7500
Pest Management	MD	38	1500	57000
Weeding	MD	5	1200	6000
Fertilising	MD	16	1500	24000
Harvesting	MD	50	1500	75000
Lunch	MD	116	250	29000
<b>SUBTOTAL</b>				<u><b>253500</b></u>
<b>Material Inputs</b>				
Planting Material	*			2500
Fertiliser				65000
Insecticide				24000
Fungicide				15000
Herbicide				8800
<b>SUBTOTAL</b>				<u><b>115300</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			11530
Contingencies	10 % of labour and material			36880
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			55320
<b>SUBTOTAL</b>				<u><b>119730</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><b>488530</b></u>

COST OF PRODUCTION ESTIMATE FOR ONION

Parish	St. Thomas					
Extension Area	Bath					
Crop Maturity	180 days					
Planting Distance in cm (l x w)	15.25 cm	x	30.5 cm	0.5 ft	x	1 ft
Planting Density @ 0.4 hectare	87120					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	3182					
Cost of Production \$/Kg	103.667					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	CW	1	10000	10000
Ploughing	MD	1	15000	15000
Furrowing	MD	1	9000	9000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	32	1500	48000
Pest Management	MD	40	1500	60000
Weeding	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000
Lunch	MD	112	250	28000
<b>SUBTOTAL</b>				<u><u>227000</u></u>
<b>Material Inputs</b>				
Planting Material	*			5000
Fertiliser				10000
Fungicide				11000
Herbicide				0
<b>SUBTOTAL</b>				<u><u>26000</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			2600
Contingencies	10 % of labour and material			25300
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)				6000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			37950
<b>SUBTOTAL</b>				<u><u>76850</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>329850</u></u>

COST OF PRODUCTION ESTIMATE FOR GINGER

Parish	St. Thomas
Extension Area	Bath
Crop Maturity	300 days
Planting Distance in cm (l x w)	15.25 cm x 30.5 cm 0.5 ft x 1 ft
Planting Density @ 0.4 hectare	87120
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	6364
Cost of Production \$/Kg	81.88

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	10	4000	40000
Ploughing	MD	10	10000	100000
Harrowing	MD	10	5000	50000
Furrowing	MD	15	1500	22500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	25	1500	37500
Weeding	MD	20	1500	30000
Fertilising	MD	5	1500	7500
Harvesting	MD	35	1500	52500
Lunch	MD	131	250	32750

SUBTOTAL 374250

**Material Inputs**

Planting Material	*	2000
Fertiliser		25000
Insecticide		0
Fungicide		4280
Herbicide		0

SUBTOTAL 31280

**Other Costs**

Transportation	10 % of material	3128
Contingencies	10 % of labour and material	40553
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	60829.5

SUBTOTAL 115511

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 521041

COST OF PRODUCTION ESTIMATE FOR CALLALOO

Parish	St. Thomas					
Extension Area	Seaforth					
Crop Maturity	75 days					
Reaping Period	6 Months					
Planting Distance in cm (l x w)	91.5 cm	x	30.5 cm	3 ft	x	1 ft
Planting Density @ 0.4 hectare	14520					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1200					
Projected Marketable Yield (Kg)	11363.6					
Cost of Production \$/Kg	22.92					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	2	1200	2400
Ploughing	tractor	1	12000	12000
Furrowing	tractor	1	6000	6000
Lining Irrigation Hose	MD	2	1200	2400
Nursery Operations	MD	3	1200	3600
Transplanting	MD	14	1200	16800
Pest Management	MD	12	1200	14400
Weeding	MD	15	1200	18000
Fertilising	MD	8	1200	9600
Harvesting	MD	15	1200	18000
Lunch	MD	71	250	17750
<b>SUBTOTAL</b>				<u><b>120950</b></u>
<b>Material Inputs</b>				
Planting Material				450
Water				15000
Fertiliser				25000
Insecticide				15000
Fungicide				2500
Herbicide				0
<b>SUBTOTAL</b>				<u><b>57950</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			5795
Contingencies	10 % of labour and material			17890
**Tools discounted for 5 years	(fork,hoe,shovel,maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			26835
<b>SUBTOTAL</b>				<u><b>81520</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>260420</b></u></u>

COST OF PRODUCTION ESTIMATE FOR GUNGO PEA

Parish	St. Thomas
Extension Area	Seaforth
Crop Maturity	270 days
Reaping Period	3.5 Months
Planting Distance in cm (l x w)	91.5 cm x 91.5 cm 3 ft x 3 ft
Planting Density @ 0.4 hectare	4840
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	2273
Cost of Production \$/Kg	78.12

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1200	3600
Ploughing	tractor	1	12000	12000
Furrowing	tractor	1	6000	6000
Planting	MD	2	1200	2400
Pest Management	MD	12	1200	14400
Weeding	MD	9	1200	10800
Fertilising	MD	8	1200	9600
Harvesting	MD	16	1200	19200
Lunch	MD	50	250	12500
<b>SUBTOTAL</b>				<u><u>90500</u></u>

Material Inputs	Total Cost
Planting Material	800
Fertiliser	25000
Insecticide	10000
Fungicide	2500
Herbicide	3500
<b>SUBTOTAL</b>	<u><u>41800</u></u>

Other Costs	Total Cost
Transportation	10 % of material 4180
Contingencies	10 % of labour and material 13230
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare 2000
Supervision	15% of labour and material 19845
<b>SUBTOTAL</b>	<u><u>45255</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>177555</u></u>

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	St. Thomas					
Extension Area	Seaforth					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	45.75 cm	x	61 cm	1.5 ft	x	2 ft
Planting Density @ 0.4 hectare	14520					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1200					
Projected Marketable Yield (Kg)	10909.1					
Cost of Production \$/Kg	22.523					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1200	3600
Ploughing	tractor	1	12000	12000
Furrowing	tractor	1	6000	6000
Lining Irrigation Hose	MD	2	1200	2400
Nursery Operations	MD	2	1200	2400
Transplanting	MD	16	1200	19200
Pest Management	MD	12	1200	14400
Weeding	MD	15	1200	18000
Fertilising	MD	2	1200	2400
Harvesting	MD	16	1200	19200
Lunch	MD	68	250	17000
<b>SUBTOTAL</b>				<u><b>116600</b></u>
<b>Material Inputs</b>				
Planting Material				4800
Water				6000
Fertiliser				24000
Insecticide				12500
Fungicide				2500
Herbicide				3500
<b>SUBTOTAL</b>				<u><b>53300</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			5330
Contingencies	10 % of labour and material			16990
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			2000
Supervision	15% of labour and material			25485
<b>SUBTOTAL</b>				<u><b>75805</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>245705</b></u></u>

COST OF PRODUCTION ESTIMATE FOR TOMATO (PLUMMY)

Parish	St. Thomas					
Extension Area	Seaforth					
Crop Maturity	90 days					
Reaping Period	3 Months					
Planting Distance in cm (l x w)	91.5 cm	x	61 cm	3 ft	x	2 ft
Planting Density @ 0.4 hectare	7260					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1200					
Projected Marketable Yield (Kg)	9091					
Cost of Production \$/Kg	26.9046					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1200	3600
Ploughing	tractor	1	12000	12000
Furrowing	tractor	1	6000	6000
Lining Irrigation Hose	MD	2	1200	2400
Nursery Operations	MD	3	1200	3600
Transplanting	MD	10	1200	12000
Pest Management	MD	7	1200	8400
Weeding	MD	20	1200	24000
Fertilising	MD	2	1200	2400
Harvesting	MD	18	1200	21600
Lunch	MD	65	250	16250
<b>SUBTOTAL</b>				<b><u>112250</u></b>
<b>Material Inputs</b>				
Planting Material				2000
Water				7500
Fertiliser				21000
Insecticide				15000
Fungicide				7500
Herbicide				3500
<b>SUBTOTAL</b>				<b><u>56500</u></b>
<b>Other Costs</b>				
Transportation	10 % of material			5650
Contingencies	10 % of labour and material			16875
**Tools discounted for 5 years	(fork,hoe,shovel,maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			2000
Supervision	15% of labour and material			25312.5
<b>SUBTOTAL</b>				<b><u>75837.5</u></b>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<b><u>244588</u></b>



COST OF PRODUCTION ESTIMATE FOR CUCUMBER

Parish	St. Thomas
Extension Area	Seaforth
Crop Maturity	45 days
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30.5 cm x 152.5 cm
Planting Density @ 0.4 hectare	8712
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Semi-Irrigated
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield (Kg)	5455
Cost of Production \$/Kg	44.95

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	3	1200	3600
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	4000	4000
Lining Irrigation Hose	MD	2	1200	2400
Planting	MD	9	1200	10800
Pest Management	MD	10	1200	12000
Weeding	MD	20	1200	24000
Fertilising	MD	2	1200	2400
Harvesting	MD	24	1200	28800
Lunch	MD	70	300	21000

SUBTOTAL 119000

**Material Inputs**

Planting Material	12000
Water	500
Insecticide	8000
Fungicide	4000
Fertiliser	25000
Herbicide	1200

SUBTOTAL 50700

**Other Costs**

Transportation	10 % of material	5070
Contingencies	10 % of labour and material	16970
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	2000
Supervision	15% of labour and material	25455

SUBTOTAL 75495

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 245195

COST OF PRODUCTION ESTIMATE FOR SWEET CASSAVA

Parish	St. Thomas
Extension Area	Morant Bay
Crop Maturity	9 months
Reaping Period	3 weeks
Planting Distance in cm (l x w)	122 cm x 91.5 cm 4 ft x 3 ft
Planting Density @ 0.4 hectare	3630
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	11550
Cost of Production \$/Kg	22.20

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	18	1500	27000
Ploughing	CW	10	2000	20000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	3	1500	4500
Weeding	MD	3	1500	4500
Pest Management	MD	2	1500	3000
Fertilising	MD	7	1500	10500
Harvesting	MD	30	1500	45000
Lunch	MD	65	300	19500
<b>SUBTOTAL</b>				<u><u>137000</u></u>
<b>Material Inputs</b>				
Planting Material	*			12000
Fertiliser				35200
Herbicide				4000
<b>SUBTOTAL</b>				<u><u>51200</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			5120
Contingencies	10 % of labour and material			18820
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			28230
<b>SUBTOTAL</b>				<u><u>68170</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>256370</u></u>

COST OF PRODUCTION ESTIMATE FOR HORSE PLANTAIN

Parish	St. Thomas
Extension Area	Morant Bay
Crop Maturity	12 months
Reaping Period	Idefinite
Planting Distance in cm (l x w)	244 cm x 274.5 cm 8 ft x 9 ft
Planting Density @ 0.4 hectare	605
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	9545
Cost of Production \$/Kg	33.38

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	40000	40000
Dig Holes	CW	7	4000	28000
Maintain Trench	CW	4	4000	16000
Prepare Planting Material	MD	6	1500	9000
Planting	MD	8	1500	12000
Pest Management	MD	10	1500	15000
Weeding	MD	15	1500	22500
Fertilising	MD	5	1500	7500
Harvesting	MD	20	1500	30000
Lunch	MD	64	300	19200

SUBTOTAL 199200

**Material Inputs**

Planting Material	*	2800
Fertiliser		25000
Fungicide		2500
Herbicide		9400

SUBTOTAL 39700

**Other Costs**

Transportation	10 % of material	3970
Contingencies	10 % of labour and material	23890
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	35835

SUBTOTAL 79695

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 318595

Trelawny

Albert Town  
Jackson Town  
Lowe River  
Falmouth

COST OF PRODUCTION ESTIMATE FOR NEGRO YAM

Parish	Trelawny					
Extension Area	Albert Town					
Crop Maturity	270 days					
Planting Distance in cm (l x w)	152.5 cm	x	183 cm	5 ft	x	6 ft
Planting Density @ 0.4 hectare	1452					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	9900					
Cost of Production \$/Kg	37.45					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	10	1500	15000
Make Mounds	CW	15	2000	30000
Planting	MD	15	1500	22500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	3	1500	4500
Stake and Tie	MD	5	1500	7500
Weeding	CW	12	2000	24000
Pest Management	MD	6	1500	9000
Fertilising	MD	5	1500	7500
Harvesting	MD	55	1500	82500
Lunch	MD	102	300	30600

SUBTOTAL 237600

**Material Inputs**

Planting Material	*	5000
Fertiliser		18000
Stakes	*	20000
Fungicide		0
Herbicide		3500

SUBTOTAL 46500

**Other Costs**

Transportation	10 % of material	4650
Contingencies	10 % of labour and material	28410
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	42615

SUBTOTAL 86675

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 370775

**COST OF PRODUCTION ESTIMATE FOR YELLOW YAM**

Parish	Trelawny					
Extension Area	Albert Town					
Crop Maturity	300 days					
Planting Distance in cm (l x w)	213.5 cm	x	183 cm	7 ft	x	6 ft
Planting Density @ 0.4 hectare	1037					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	5657					
Cost of Production \$/Kg	44.87					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Cleaning	MD	10	1500	15000
Make Mounds	CW	15	2000	30000
Maintain Trench	CW	5	2000	10000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	2	1500	3000
Stake and Tie	MD	4	1500	6000
Weeding	MD	6	1500	9000
Pest Management	MD	6	1500	9000
Fertilising	MD	3	1500	4500
Harvesting	MD	20	1500	30000
Lunch	MD	53	300	15900
<b>SUBTOTAL</b>				<u>135400</u>
<b>Material Inputs</b>				
Planting Material	*			5000
Fertiliser				26000
Stakes	*			20000
Fungicide				0
Herbicide				3500
<b>SUBTOTAL</b>				<u>54500</u>
<b>Other Costs</b>				
Transportation	10 % of material			5450
Contingencies	10 % of labour and material			18990
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)				6000
Land Charges per crop cycle	0.4 hectare			5000
Supervision	15% of labour and material			28485
<b>SUBTOTAL</b>				<u>63925</u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>253825</u></u>

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	Trelawny					
Extension Area	Albert Town					
Crop Maturity	90 days					
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x	2 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Semi-Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	14850					
Cost of Production \$/Kg	23.00					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	CW	1	15000	15000
Furrowing	CW	1	11000	11000
Maintain Trench	MD	4	1500	6000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	15	1500	22500
Pest Management	MD	16	1500	24000
Weeding	MD	10	1500	15000
Fertilising	MD	3	1500	4500
Harvesting	MD	50	1500	75000
Lunch	MD	100	300	30000

SUBTOTAL 206000

**Material Inputs**

Planting Material	3200
Fertiliser	32000
Water	5000
Fungicide	0
Herbicide	3500

SUBTOTAL 43700

**Other Costs**

Transportation	10 % of material	4370
Contingencies	10 % of labour and material	24970
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	20000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	37455

SUBTOTAL 91795

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 341495

COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	Trelawny					
Extension Area	Albert Town					
Crop Maturity	90 days					
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x	2 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Hillside Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Semi-Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	6818					
Cost of Production \$/Kg	59.73					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	CW	1	25000	25000
Furrowing	CW	1	20000	20000
Maintain Trench	MD	4	1500	6000
Moulding	MD	15	1500	22500
Planting	MD	4	1500	6000
Pest Management	MD	14	1500	21000
Weeding	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Harvesting	MD	40	1500	60000
Lunch	MD	84	300	25200

SUBTOTAL 196200

**Material Inputs**

Planting Material	*	15000
Fertiliser		64000
Water		10000
Insecticide		1000
Fungicide		8000
Herbicide		3500

SUBTOTAL 101500

**Other Costs**

Transportation	10 % of material	10150
Contingencies	10 % of labour and material	29770
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	20000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	44655

SUBTOTAL 109575

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 407275



**COST OF PRODUCTION ESTIMATE FOR TOMATO (SLICING)**

Parish	Trelawny					
Extension Area	Albert Town					
Crop Maturity	90 days					
Reaping Period	2 Months					
Planting Distance in cm (l x w)	61 cm	x	61 cm	2 ft	x	2 ft
Planting Density @ 0.4 hectare	10890					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	11364					
Cost of Production \$/Kg	35.26					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	16	1500	24000
Dig Holes	MD	8	1500	12000
Furrowing	MD	5	1500	7500
Planting	MD	12	1500	18000
Stake and Tie	MD	15	1500	22500
Pest Management	MD	6	1500	9000
Weeding	MD	18	1500	27000
Fertilising	MD	3	1500	4500
Harvesting	MD	18	1500	27000
Lunch	MD	101	250	25250
<b>SUBTOTAL</b>				<u><b>176750</b></u>
<b>Material Inputs</b>				
Planting Material				26000
Insecticide				20000
Fungicide				10000
Stakes				24000
Fertiliser				25000
Herbicide				1500
<b>SUBTOTAL</b>				<u><b>106500</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			10650
Contingencies	10 % of labour and material			28325
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			26000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			42488
<b>SUBTOTAL</b>				<u><b>117463</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>400713</b></u></u>

COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	Trelawny					
Extension Area	Albert Town					
Crop Maturity	90 days					
Reaping Period	2 Months					
Planting Distance in cm (l x w)	30.5 cm	x	30.5 cm	1 ft	x	1 ft
Planting Density @ 0.4 hectare	43560					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	11364					
Cost of Production \$/Kg	17.29					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	12	1500	18000
Planting	MD	2	1500	3000
Stake and Tie	MD	15	1500	22500
Pest Management	MD	2	1500	3000
Weeding	MD	8	1500	12000
Fertilising	MD	2	1500	3000
Harvesting	MD	18	1500	27000
Lunch	MD	59	300	17700

SUBTOTAL 106200

**Material Inputs**

Planting Material	1500
Insecticide	2500
Fungicide	0
Fertiliser	15000
Herbicide	1500

SUBTOTAL 20500

**Other Costs**

Transportation	10 % of material	2050
Contingencies	10 % of labour and material	12670
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	19005

SUBTOTAL 69725

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 196425

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER (WI RED)

Parish	Trelawny					
Extension Area	Albert Town					
Crop Maturity	90 days					
Reaping Period	11 Months					
Planting Distance in cm (l x w)	91.5 cm	x	122 cm	3 ft	x	4 ft
Planting Density @ 0.4 hectare	3630					
Terrain	Relatively Flat Land Farm					
Land Preparation	Mechanical					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	13636					
Cost of Production \$/Kg	58.58					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	25000	25000
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	4000	4000
Dig Holes	CW	3	7000	21000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	8	1500	12000
Pest Management	MD	30	1500	45000
Weeding	MD	22	1500	33000
Fertilising	MD	10	1500	15000
Harvesting	MD	100	1500	150000
Lunch	MD	174	300	52200
<b>SUBTOTAL</b>				<u><b>373200</b></u>
<b>Material Inputs</b>				
Planting Material				7000
Insecticide				45000
Fungicide				35000
Fertiliser				140000
Herbicide				8000
<b>SUBTOTAL</b>				<u><b>235000</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			23500
Contingencies	10 % of labour and material			60820
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			5000
Land Charges per crop cycle	0.4 hectare			10000
Supervision	15% of labour and material			91230
<b>SUBTOTAL</b>				<u><b>190550</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>798750</b></u></u>

COST OF PRODUCTION ESTIMATE FOR SWEET CORN

Parish	Trelawny			
Extension Area	Jackson Town			
Crop Maturity	3 Months			
Reaping Period	1 Month			
Planting Distance in cm (l x w)	45.75 cm	x	45.75 cm	1.5 ft x 1.5 ft
Planting Density @ 0.4 hectare	19360			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield (dozen)	800			
Cost of Production \$/Dozen	287.03			

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	CW	20	500	10000
Planting	MD	22	1500	33000
Fertilising	MD	3	1500	4500
Weeding	MD	10	1500	15000
Pest Management	MD	9	1500	13500
Harvesting	MD	15	1500	22500
Lunch	MD	63	300	18900

SUBTOTAL 123400

**Material Inputs**

Planting Material	13500
Herbicide	6300
Insecticide	8700
Fungicide	3600
Water	12000
Fertiliser	8400

SUBTOTAL 52500

**Other Costs**

Transportation	10 % of material	5250
Contingencies	10 % of labour and material	17590
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		2000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	26385

SUBTOTAL 53725

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 229625

**COST OF PRODUCTION ESTIMATE FOR YELLOW YAM**

Parish	Trelawny
Extension Area	Jackson Town
Crop Maturity	10 Months
Reaping Period	4 Months
Planting Distance in cm (l x w)	122 cm x 122 cm 4 ft x 4 ft
Planting Density @ 0.4 hectare	2723
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	12247
Cost of Production \$/Kg	26.79

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	2	12000	24000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	6	1500	9000
Staking	CW	20	500	10000
Fertilising	MD	2	1500	3000
Weeding	CW	20	3000	60000
Pest Management	MD	4	1500	6000
Harvesting	MD	25	1500	37500
Lunch	MD	61	300	18300
<b>SUBTOTAL</b>				<u><u>179800</u></u>

<b>Material Inputs</b>		
Planting Material	*	24000
Herbicide		2700
Fertiliser		26700
Stakes	*	15000
<b>SUBTOTAL</b>		<u><u>68400</u></u>

<b>Other Costs</b>		
Transportation	10 % of material	6840
Contingencies	10 % of labour and material	24820
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	37230
<b>SUBTOTAL</b>		<u><u>79890</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>328090</u></u>

**COST OF PRODUCTION ESTIMATE FOR SWEET POTATO**

Parish	Trelawny
Extension Area	Jackson Town
Crop Maturity	5 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	76.25 cm x 30.5 cm 2.5 ft x 1 ft
Planting Density @ 0.4 hectare	17424
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1200
Projected Marketable Yield	10342
Cost of Production \$/Kg	21.75

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1200	3600
Ploughing	tractor	2	12000	24000
Furrowing	MD	2	1200	2400
Prepare Planting Material	MD	3	1200	3600
Planting	MD	4	1200	4800
Fertilising	MD	2	1200	2400
Weeding	MD	15	1200	18000
Pest Management	MD	2	1200	2400
Harvesting	MD	45	1200	54000
Lunch	MD	76	300	22800
<b>SUBTOTAL</b>				<u><u>138000</u></u>

<b>Material Inputs</b>		
Planting Material	*	6000
Herbicide		2400
Insecticide		9600
Fertiliser		16800
<b>SUBTOTAL</b>		<u><u>34800</u></u>

<b>Other Costs</b>		
Transportation	10 % of material	3480
Contingencies	10 % of labour and material	17280
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		3000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	25920
<b>SUBTOTAL</b>		<u><u>52180</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>224980</u></u>

COST OF PRODUCTION ESTIMATE FOR GINGER

Parish	Trelawny
Extension Area	Low River
Crop Maturity	9 months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30.5 cm x 30.5 cm 1 ft x 1 ft
Planting Density @ 0.4 hectare	43560
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	3629
Cost of Production \$/Kg	78.13

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	16	1500	24000
Maintain Trench	MD	5	1500	7500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	15	1500	22500
Fertilising	MD	2	1500	3000
Harvesting	MD	10	1500	15000
Lunch	MD	59	300	17700
<b>SUBTOTAL</b>				<u><b>106200</b></u>
<b>Material Inputs</b>				
Planting Material				80000
Fertiliser				16800
Fungicide				6000
<b>SUBTOTAL</b>				<u><b>102800</b></u>
<b>Other Costs</b>				
Transportation	10 % of material			10280
Contingencies	10 % of labour and material			20900
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			6000
Supervision	15% of labour and material			31350
<b>SUBTOTAL</b>				<u><b>74530</b></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u><b>283530</b></u></u>

COST OF PRODUCTION ESTIMATE FOR YELLOW YAM

Parish	Trelawny				
Extension Area	Lowe River				
Crop Maturity	10 Months				
Reaping Period	2 Months				
Planting Distance in cm (l x w)	213.5 cm	x	183 cm	7 ft	x 6 ft
Planting Density @ 0.4 hectare	1037				
Terrain	Hillside Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	12700				
Cost of Production \$/Kg	36.25				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	16	1500	24000
Ploughing	MD	20	1500	30000
Make Mounds	MD	24	1500	36000
Prepare Planting Material	MD	8	1500	12000
Planting	MD	2	1500	3000
Stake and Tie	MD	25	1500	37500
Fertilising	MD	2	1500	3000
Harvesting	MD	72	1500	108000
Lunch	MD	169	300	50700
<b>SUBTOTAL</b>				<u><u>304200</u></u>
<b>Material Inputs</b>				
Planting Material	*			10000
Fertiliser				38040
Stakes	*			5000
<b>SUBTOTAL</b>				<u><u>53040</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			5304
Contingencies	10 % of labour and material			35724
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)				6000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			53586
<b>SUBTOTAL</b>				<u><u>103114</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>460354</u></u>



COST OF PRODUCTION ESTIMATE FOR NEGRO YAM

Parish	Trelawny
Extension Area	Low River
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	152.5 cm x 122 cm 5 ft x 4 ft
Planting Density @ 0.4 hectare	2178
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield	14000
Cost of Production \$/Kg	37.78

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	18	1500	27000
Make Mounds	MD	25	1500	37500
Prepare Planting Material	MD	4	1500	6000
Planting	MD	2	1500	3000
Stake and Tie	MD	35	1500	52500
Fertilising	MD	2	1500	3000
Weeding	MD	20	1500	30000
Harvesting	MD	75	1500	112500
Lunch	MD	191	300	57300
<b>SUBTOTAL</b>				<u><u>343800</u></u>
<b>Material Inputs</b>				
Planting Material	*			8000
Fertiliser				41000
Stakes	*			17000
<b>SUBTOTAL</b>				<u><u>66000</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			6600
Contingencies	10 % of labour and material			40980
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)				6000
Land Charges per crop cycle	0.4 hectare			4000
Supervision	15% of labour and material			61470
<b>SUBTOTAL</b>				<u><u>119050</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>528850</u></u>

COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	Trelawny				
Extension Area	Lowe River				
Crop Maturity	4 Months				
Reaping Period	1.5 Months				
Planting Distance in cm (l x w)	45.75 cm	x	61 cm	1.5 ft	x 2 ft
Planting Density @ 0.4 hectare	29040				
Terrain	Hillside Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 Hectare				
Manday Charge (excluding lunch)	1200				
Projected Marketable Yield	5000				
Cost of Production \$/Kg	52.49				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	20	1500	30000
Molding	MD	6	1500	9000
Excavate trench	MD	3	1500	4500
Maintain Trench	MD	2	1500	3000
Planting	MD	15	1500	22500
Fertilising	MD	1	1500	1500
Harvesting	MD	20	1500	30000
Lunch	MD	75	300	22500
<b>SUBTOTAL</b>				<u><u>135000</u></u>
<b>Material Inputs</b>				
Planting Material				52000
Fertiliser				7300
Insecticide				2700
<b>SUBTOTAL</b>				<u>62000</u>
<b>Other Costs</b>				
Transportation	10 % of material			6200
Contingencies	10 % of labour and material			19700
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			4000
Supervision	15% of labour and material			29550
<b>SUBTOTAL</b>				<u>65450</u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>262450</u></u>

**COST OF PRODUCTION ESTIMATE FOR SCOTCH BONNET PEPPER**

Parish	Trelawny
Extension Area	Falmouth
Crop Maturity	3 Months
Reaping Period	6 Months
Planting Distance in cm (l x w)	30.5 cm x 152.5 cm
	1 ft x 5 ft
Planting Density @ 0.4 hectare	8712
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge	1500
Projected Marketable Yield (Kg)	18182
Cost of Production \$/Kg	42.62

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	tractor	1	4000	4000
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	5000	5000
Lining Irrigation Hose	MD	2	1500	3000
Mulching	MD	8	1500	12000
Make Mounds	MD	30	1500	45000
Planting	MD	4	1500	6000
Fertilising	MD	9	1500	13500
Weeding	MD	18	1500	27000
Harvesting (pick and de-stem)	MD	100	1500	150000
Lunch	MD	171	300	51300

SUBTOTAL 326800

**Material Inputs**

Planting Material		72000
Herbicide		8000
Mulch	*	9000
Insecticide		35000
Fungicide		40000
Fertiliser		66500
Water		15000

SUBTOTAL 245500

**Other Costs**

Transportation	10 % of material	24550
Contingencies	10 % of labour and material	57230
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.4 hectare	9000
Supervision	15% of labour and material	85845

SUBTOTAL 202625

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 774925

**COST OF PRODUCTION ESTIMATE FOR ONION**

Parish	Trelawny
Extension Area	Falmouth
Crop Maturity	5 mths
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	15.25 cm x 30.5 cm
Planting Density @ 0.4 hectare	87120
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge	1500
Projected Marketable Yield (Kg)	8182
Cost of Production \$/Kg	81.35

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	tractor	1	8000	8000
Ploughing	tractor	1	5000	5000
Harrowing	tractor	1	5000	5000
Furrowing	tractor	1	5000	5000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	3	1500	4500
Fertilising	MD	2	1500	3000
Weeding	MD	17	1500	25500
Pest Management	MD	20	1500	30000
Harvesting	MD	25	1500	37500
Lunch	MD	69	300	20700

**SUBTOTAL** 147200

**Material Inputs**

Planting Material	27000
Herbicide	20000
Insecticide	87000
Fungicide	102000
Water	25000
Fertiliser	45000

**SUBTOTAL** 306000

**Other Costs**

Transportation	10 % of material	30600
Contingencies	10 % of labour and material	45320
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	46000
Land Charges per crop cycle	0.4 hectare	22500
Supervision	15% of labour and material	67980

**SUBTOTAL** 212400

**TOTAL OPERATING EXPENDITURE PER CROP CYCLE** 665600

**COST OF PRODUCTION ESTIMATE FOR CARROT**

Parish	Trelawny
Extension Area	Falmouth
Crop Maturity	5 months
Reaping Period	1 Month
Planting Distance in cm (l x w)	15.25 cm x 30.5 cm      0.5 ft x 1 ft
Planting Density @ 0.4 hectare	87120
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Irrigated
Area	0.4 hectare
Manday Charge	1500
Projected Marketable Yield (Kg)	6818
Cost of Production \$/Kg	28.17

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	tractor	1	4000	4000
Ploughing	tractor	1	8000	8000
Harrowing	tractor	1	8000	8000
Lining Irrigation Hose	MD	1	1500	1500
Maintain Trench	MD	8	1500	12000
Planting	MD	1	1500	1500
Weeding	MD	10	1500	15000
Harvesting	MD	15	1500	22500
Lunch	MD	35	300	10500
<b>SUBTOTAL</b>				<u><u>83000</u></u>

<b>Material Inputs</b>		
Planting Material		4500
Herbicide		9500
Insecticide		2300
Water		12000
Fertiliser		16000
<b>SUBTOTAL</b>		<u><u>44300</u></u>

<b>Other Costs</b>		
Transportation	10 % of material	4430
Contingencies	10 % of labour and material	12730
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	26000
Land Charges per crop cycle	0.1 hectare	2500
Supervision	15% of labour and material	19095
<b>SUBTOTAL</b>		<u><u>64755</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>192055</u></u>

Westmoreland

Savanna-la-mar

New Works

Darliston

Leamington

Little London

COST OF PRODUCTION ESTIMATE FOR HOT PEPPER (WI RED)

Parish	Westmoreland				
Extension Area	Savanna-la-mar				
Crop Maturity	90 days				
Reaping Period	5 Months				
Planting Distance in cm (l x w)	61 cm	x	137.25 cm	2 ft	x 4.5 ft
Planting Density @ 0.4 hectare	4840				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Semi-Irrigated				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	11000				
Cost of Production \$/Kg	49.01				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	28	1500	42000
Harrowing	MD	5	1500	7500
Furrowing	MD	5	1500	7500
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	4	1500	6000
Pest Management	MD	20	1500	30000
Weeding	MD	8	1500	12000
Fertilising	MD	5	1500	7500
Harvesting	MD	55	1500	82500
Lunch	MD	132	200	26400

SUBTOTAL 224400

**Material Inputs**

Planting Material	48400
Water	15000
Insecticide	50000
Fungicide	10000
Fertiliser	40000
Herbicide	20000

SUBTOTAL 183400

**Other Costs**

Transportation	10 % of material	18340
Contingencies	10 % of labour and material	40780
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	61170

SUBTOTAL 131290

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 539090

COST OF PRODUCTION ESTIMATE FOR SCOTCH BONNET PEPPER

Parish	Westmoreland					
Extension Area	Savanna-la-mar					
Crop Maturity	90 days					
Reaping Period	6 Months					
Planting Distance in cm (l x w)	61 cm	x	152.5 cm	2 ft	x	5 ft
Planting Density @ 0.4 hectare	4356					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Irrigated					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	9091					
Cost of Production \$/Kg	60.56					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	1	6000	6000
Harrowing	tractor	1	6000	6000
Furrowing	tractor	1	6000	6000
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	8	1500	12000
Pest Management	MD	21	1100	23100
Weeding	MD	12	1500	18000
Fertilising	MD	24	1500	36000
Harvesting	MD	60	1500	90000
Lunch	MD	132	200	26400

SUBTOTAL 234000

**Material Inputs**

Planting Material	43560
Insecticide	20000
Water	22000
Fungicide	10000
Fertiliser	60000
Herbicide	20000

SUBTOTAL 175560

**Other Costs**

Transportation	10 % of material	17556
Contingencies	10 % of labour and material	40956
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	15000
Supervision	15% of labour and material	61434

SUBTOTAL 140946

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 550506



COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	Westmoreland				
Extension Area	Savanna-la-mar				
Crop Maturity	210 days				
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x 2 ft
Planting Density @ 0.4 hectare	21780				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	9960				
Cost of Production \$/Kg	19.64				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	MD	10	1500	15000
Harrowing	MD	10	1500	15000
Furrowing	MD	6	1500	9000
Prepare Planting Material	MD	6	1500	9000
Planting	MD	12	1500	18000
Pest Management	MD	4	1100	4400
Fertilising	MD	3	1500	4500
Weeding	MD	6	1500	9000
Harvesting	MD	5	1300	6500
Lunch	MD	64	200	12800
<b>SUBTOTAL</b>				<u><u>106200</u></u>
<b>Material Inputs</b>				
Planting Material				5000
Insecticide				3000
Fungicide				2000
Fertiliser				6000
Herbicide				15000
<b>SUBTOTAL</b>				<u><u>31000</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			3100
Contingencies	10 % of labour and material			13720
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			15000
Supervision	15% of labour and material			20580
<b>SUBTOTAL</b>				<u><u>58400</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>195600</u></u>

COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	Westmoreland					
Extension Area	New Works					
Crop Maturity	90 days					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft	x	2 ft
Planting Density @ 0.4 hectare	21780					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	6818					
Cost of Production \$/Kg	57.01					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	MD	12	1500	18000
Furrowing	MD	15	1500	22500
Planting	MD	12	1500	18000
Pest Management	MD	6	1500	9000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	10	1500	15000
Lunch	MD	69	300	20700
<b>SUBTOTAL</b>				<u><u>124200</u></u>
<b>Material Inputs</b>				
Planting Material				58000
Fertiliser				72000
Insecticide				8000
Fungicide				20000
Herbicide				9000
<b>SUBTOTAL</b>				<u><u>167000</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			16700
Contingencies	10 % of labour and material			29120
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2000
Supervision	15% of labour and material			43680
<b>SUBTOTAL</b>				<u><u>97500</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>388700</u></u>

COST OF PRODUCTION ESTIMATE FOR CARROT

Parish	Westmoreland					
Extension Area	New Works					
Crop Maturity	90 days					
Reaping Period	4 Months					
Planting Distance in cm (l x w)	30.5 cm	x	30.5 cm	1 ft	x	1 ft
Planting Density @ 0.4 hectare	43560					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	2727					
Cost of Production \$/Kg	53.97					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	2	1500	3000
Ploughing	MD	16	1500	24000
Furrowing	MD	15	1500	22500
Planting	MD	1	1500	1500
Pest Management	MD	4	1500	6000
Weeding	MD	4	1500	6000
Fertilising	MD	1	1500	1500
Harvesting	MD	5	1500	7500
Lunch	MD	48	300	14400

SUBTOTAL 86400

**Material Inputs**

Planting Material	2500
Fertiliser	9600
Insecticide	0
Fungicide	0
Herbicide	11000

SUBTOTAL 23100

**Other Costs**

Transportation	10 % of material	2310
Contingencies	10 % of labour and material	10950
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2000
Supervision	15% of labour and material	16425

SUBTOTAL 37685

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 147185

COST OF PRODUCTION ESTIMATE FOR TOMATO (PLUMMY)

Parish	Westmoreland				
Extension Area	New Works				
Crop Maturity	90 days				
Reaping Period	5 Months				
Planting Distance in cm (l x w)	91.5 cm	x	91.5 cm	3 ft	x 3 ft
Planting Density @ 0.4 hectare	4840				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	15909				
Cost of Production \$/Kg	32.38				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Ploughing	MD	6	1500	9000
Ploughing	MD	10	1500	15000
Dig Holes	MD	3	1500	4500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	5	1500	7500
Pest Management	MD	15	1500	22500
Stake and Tie	MD	12	1500	18000
Weeding	MD	10	1500	15000
Fertilising	MD	10	1500	15000
Harvesting	MD	35	1500	52500
Lunch	MD	109	300	32700
<b>SUBTOTAL</b>				<u>196200</u>
<b>Material Inputs</b>				
Planting Material				40000
Fertiliser				64000
Stakes				15000
Insecticide				36000
Fungicide				28000
Herbicide				11000
<b>SUBTOTAL</b>				<u>194000</u>
<b>Other Costs</b>				
Transportation	10 % of material			19400
Contingencies	10 % of labour and material			39020
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2000
Supervision	15% of labour and material			58530
<b>SUBTOTAL</b>				<u>124950</u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>515150</u></u>

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	Westmoreland			
Extension Area	Darliston			
Crop Maturity	3 Months			
Reaping Period	1 Month			
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft x 2 ft
Planting Density @ 0.4 hectare	21780			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield (Kg)	14850			
Cost of Production \$/Kg	24.93			

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	25	1500	37500
Ploughing	MD	25	1500	37500
Nursery Operations	MD	5	1500	7500
Transplanting	MD	10	1500	15000
Pest Management	MD	12	1500	18000
Weeding	MD	15	1500	22500
Fertilising	MD	2	1500	3000
Harvesting	MD	14	1500	21000
Lunch	MD	108	300	32400
<b>SUBTOTAL</b>				<u><u>194400</u></u>
<b>Material Inputs</b>				
Planting Material				18600
Herbicide				5000
Insecticide				27500
Fertiliser				34300
Baits				2500
<b>SUBTOTAL</b>				<u><u>87900</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			8790
Contingencies	10 % of labour and material			28230
**Tools discounted for 5 years	(fork,hoe,shovel,mascette etc)			6000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			42345
<b>SUBTOTAL</b>				<u><u>87865</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>370165</u></u>

COST OF PRODUCTION ESTIMATE FOR IRISH POTATO

Parish	Westmoreland				
Extension Area	Darliston				
Crop Maturity	3 Months				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	30.5 cm	x	45.75 cm	1 ft	x 1.5 ft
Planting Density @ 0.4 hectare	29040				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge (excluding lunch)	1500				
Projected Marketable Yield (Kg)	9000				
Cost of Production \$/Kg	34.98				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	20	1500	30000
Furrowing	MD	10	1500	15000
Planting	MD	10	1500	15000
Make Mounds	MD	10	1500	15000
Pest Management	MD	12	1500	18000
Weeding	MD	7	1500	10500
Fertilising	MD	3	1500	4500
Harvesting	MD	12	1500	18000
Lunch	MD	89	300	26700
<b>SUBTOTAL</b>				<u><u>160200</u></u>
<b>Material Inputs</b>				
Planting Material				46400
Fungicide				11200
Fertiliser				18000
Insecticide				3000
<b>SUBTOTAL</b>				<u><u>78600</u></u>
<b>Other Costs</b>				
Transportation	10 % of material			7860
Contingencies	10 % of labour and material			23880
**Tools discounted for 5 years	(fork,hoe,shovel,maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			2500
Supervision	15% of labour and material			35820
<b>SUBTOTAL</b>				<u><u>76060</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>				<u><u>314860</u></u>

COST OF PRODUCTION ESTIMATE FOR SWEET PEPPER

Parish	Westmoreland			
Extension Area	Darliston			
Crop Maturity	3 Months			
Reaping Period	2 Months			
Planting Distance in cm (l x w)	30.5 cm	x	61 cm	1 ft x 2 ft
Planting Density @ 0.4 hectare	21780			
Terrain	Relatively Flat Land Farm			
Land Preparation	Manual			
Irrigated/Rainfed	Rainfed			
Area	0.4 hectare			
Manday Charge (excluding lunch)	1500			
Projected Marketable Yield (Kg)	2586			
Cost of Production \$/Kg	103.59			

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Ploughing	MD	15	1500	22500
Planting	MD	10	1500	15000
Transplanting	MD	15	1500	22500
Pest Management	MD	10	1500	15000
Weeding	MD	12	1500	18000
Fertilising	MD	6	1500	9000
Harvesting	MD	18	1500	27000
Lunch	MD	101	300	30300
<b>SUBTOTAL</b>				<u><u>181800</u></u>

Material Inputs	Total Cost
Planting Material	2000
Herbicide	900
Insecticide	4800
Fungicide	2900
Fertiliser	13200
<b>SUBTOTAL</b>	<u><u>23800</u></u>

Other Costs	Total Cost	
Transportation	10 % of material	2380
Contingencies	10 % of labour and material	20560
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	30840
<b>SUBTOTAL</b>		<u><u>62280</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>267880</u></u>

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	Westmoreland
Extension Area	Leamington
Crop Maturity	6-8 months
Reaping Period	4 Months
Planting Distance in cm (l x w)	61 cm x 61 cm 2 ft x 2 ft
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	10160
Cost of Production \$/Kg	25.91

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	16	1500	24000
Maintain Trench	MD	6	1500	9000
Planting	MD	20	1500	30000
Weeding	MD	9	1500	13500
Fertilising	MD	8	1500	12000
Harvesting	MD	18	1500	27000
Lunch	MD	82	300	24600

SUBTOTAL 147600

**Material Inputs**

Planting Material	*	8900
Herbicide		7200
Fertiliser		30400

SUBTOTAL 46500

**Other Costs**

Transportation	10 % of material	4650
Contingencies	10 % of labour and material	19410
**Tools discounted for 5 years	(fork, hoe, shovel, maschette)	6000
Land Charges per crop cycle	0.4 hectare	10000
Supervision	15% of labour and material	29115

SUBTOTAL 69175

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 263275



**COST OF PRODUCTION ESTIMATE FOR PINEAPPLE (MD2)**

Parish	Westmoreland
Extension Area	Leamington
Crop Maturity	12 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	61 cm x 91.5 cm                      2 ft x 3 ft
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rainfed	Rainfed
Area	0.4 hectare
Manday Charge (excluding lunch)	1500
Projected Marketable Yield (Kg)	13500
Cost of Production \$/Kg	21.56

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	25	1500	37500
Maintain Trench	MD	5	1500	7500
Planting	MD	15	1500	22500
Pest Management	MD	3	1500	4500
Fertilising	MD	8	1500	12000
Weeding	MD	12	1500	18000
Harvesting	MD	22	1500	33000
Lunch	MD	95	300	28500
<b>SUBTOTAL</b>				<u><u>171000</u></u>

<b>Material Inputs</b>		
Planting Material	*	7000
Herbicide		18000
Fertiliser		20000
Insecticide		4500
Fungicide		1500
<b>SUBTOTAL</b>		<u><u>51000</u></u>

<b>Other Costs</b>		
Transportation	10 % of material	5100
Contingencies	10 % of labour and material	22200
**Tools discounted for 5 years	(fork, hoe, shovel, machette e	6000
Land Charges per crop cycle	0.4 hectare	2500
Supervision	15% of labour and material	33300
<b>SUBTOTAL</b>		<u><u>69100</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>291100</u></u>

COST OF PRODUCTION ESTIMATE FOR HORSE PLANTAIN

Parish	Westmoreland					
Extension Area	Leamington					
Crop Maturity	1 Year					
Reaping Period	Indefinite					
Planting Distance in cm (l x w)	213.5 cm	x	213.5 cm	7 ft	x	7 ft
Planting Density @ 0.4 hectare	889					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge (excluding lunch)	1500					
Projected Marketable Yield (Kg)	11000					
Cost of Production \$/Kg	21.25					

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	MD	15	1500	22500
Maintain Trench	MD	10	1500	15000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	7	1500	10500
Pest Management	MD	5	1500	7500
Weeding	MD	20	1500	30000
Fertilising	MD	4	1500	6000
Harvesting	MD	12	1500	18000
Lunch	MD	79	300	23700
<b>SUBTOTAL</b>				<u><u>142200</u></u>

<b>Material Inputs</b>		
Planting Material	*	4800
Herbicide		2500
Fertiliser		21000
Insecticide		5000
<b>SUBTOTAL</b>		<u><u>33300</u></u>

<b>Other Costs</b>		
Transportation	10 % of material	3330
Contingencies	10 % of labour and material	17550
**Tools discounted for 5 years	(fork, hoe, shovel, maschette e	6000
Land Charges per crop cycle	0.4 hectare	5000
Supervision	15% of labour and material	26325
<b>SUBTOTAL</b>		<u><u>58205</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>		<u><u>233705</u></u>

COST OF PRODUCTION ESTIMATE FOR DASHEEN

Parish	Westmoreland				
Extension Area	Little London				
Crop Maturity	8 months				
Reaping Period	1 Month				
Planting Distance in cm (l x w)	53.375 cm	x	61 cm	1.75 ft	x 2 ft
Planting Density @ 0.4 hectare	12446				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge	1300				
Projected Marketable Yield	16970				
Cost of Production \$/Kg	13.50				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	25000	25000
Dig Holes	CW	1	15000	15000
Maintain Trench	CW	1	7000	7000
Planting	CW	1	15000	15000
Pest Management	MD	1	1300	1300
Weeding	MD	2	1300	2600
Fertilising	MD	2	1300	2600
Harvesting	MD	34	1300	44200
Lunch	MD	39	300	11700

SUBTOTAL 124400

**Material Inputs**

Planting Material	*			8000
Herbicide				3500
Insecticide				7000
Fertiliser				29400

SUBTOTAL 47900

**Other Costs**

Transportation	10 % of material			4790
Contingencies	10 % of labour and material			17230
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)			6000
Land Charges per crop cycle	0.4 hectare			3000
Supervision	15% of labour and material			25845

SUBTOTAL 56865

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 229165

COST OF PRODUCTION ESTIMATE FOR PUMPKIN (BODLES GLOBE)

Parish	Westmoreland				
Extension Area	Little London				
Crop Maturity	3 Months				
Reaping Period	1.5 Months				
Planting Distance in cm (l x w)	183 cm	x	183 cm	6 ft	x 6 ft
Planting Density @ 0.4 hectare	1210				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge	1300				
Projected Marketable Yield	9091				
Cost of Production \$/Kg	20.01				

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	10000	10000
Ploughing	CW	6	4000	24000
Maintain Trench	CW	60	200	12000
Planting	MD	4	1300	5200
Pest Management	MD	8	1300	10400
Weeding	MD	12	1300	15600
Fertilising	MD	1	1300	1300
Harvesting	MD	4	1300	5200
Lunch	MD	29	300	8700

SUBTOTAL 92400

**Material Inputs**

Planting Material	4000
Potting Mixture	1000
Seed Trays	1200
Insecticide	15000
Fungicide	6000
Fertiliser	15300

SUBTOTAL 42500

**Other Costs**

Transportation	10 % of material	4250
Contingencies	10 % of labour and material	13490
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	20235

SUBTOTAL 46975

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 181875

**COST OF PRODUCTION ESTIMATE FOR TOMATO (SLICING)**

Parish	Westmoreland				
Extension Area	Little London				
Crop Maturity	3 mths				
Reaping Period					
Planting Distance in cm (l x w)	91.5 cm	x	122 cm	3 ft	x 4 ft
Planting Density @ 0.4 hectare	3630				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge	1300				
Projected Marketable Yield	11500				
Cost of Production \$/Kg	33.04				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	1300	7800
Dig Holes	MD	10	1300	13000
Maintain Trench	MD	10	1300	13000
Nursery Operations	MD	2	1300	2600
Transplanting	MD	15	1300	19500
Stake and Tie	MD	30	1300	39000
Pest Management	MD	16	1300	20800
Weeding	MD	5	1300	6500
Fertilising	MD	2	1300	2600
Harvesting	MD	36	1300	46800
Lunch	MD	132	300	39600
<b>SUBTOTAL</b>				<u><u>211200</u></u>

<b>Material Inputs</b>	Total Cost
Planting Material	24000
Herbicide	4300
Cord	3000
Insecticide	4000
Fungicide	6000
Stakes	4000
Fertiliser	35000
<b>SUBTOTAL</b>	<u><u>80300</u></u>

<b>Other Costs</b>	Total Cost
Transportation	10 % of material 8030
Contingencies	10 % of labour and material 29150
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)	6000
Land Charges per crop cycle	0.2 hectare 1500
Supervision	15% of labour and material 43725
<b>SUBTOTAL</b>	<u><u>88405</u></u>
<b>TOTAL OPERATING EXPENDITURE PER CROP CYCLE</b>	<u><u>379905</u></u>

COST OF PRODUCTION ESTIMATE FOR SWEET PEPPER

Parish	Westmoreland				
Extension Area	Little London				
Crop Maturity	3 Months				
Reaping Period	3.5 Months				
Planting Distance in cm (l x w)	61 cm	x	61 cm	2 ft	x 2 ft
Planting Density @ 0.4 hectare	10890				
Terrain	Relatively Flat Land Farm				
Land Preparation	Manual				
Irrigated/Rainfed	Rainfed				
Area	0.4 hectare				
Manday Charge	1300				
Projected Marketable Yield	8182				
Cost of Production \$/Kg	40.61				

<b>Labour Operations</b>	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	23000	23000
Dig Holes	MD	10	1300	13000
Maintain Trench	MD	20	1300	26000
Planting	MD	11	1300	14300
Pest Management	MD	12	1300	15600
Weeding	MD	10	1300	13000
Fertilising	MD	6	1300	7800
Harvesting	MD	36	1300	46800
Lunch	MD	105	300	31500

SUBTOTAL 191000

**Material Inputs**

Planting Material	3000
Herbicide	4000
Insecticide	16000
Fungicide	2000
Fertiliser	37600

SUBTOTAL 62600

**Other Costs**

Transportation	10 % of material	6260
Contingencies	10 % of labour and material	25360
**Tools discounted for 5 years (fork, hoe, shovel, maschette etc)		6000
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	38040

SUBTOTAL 78660

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 332260

COST OF PRODUCTION ESTIMATE FOR CABBAGE

Parish	Westmoreland					
Extension Area	Little London					
Crop Maturity	3 months					
Reaping Period	1 Month					
Planting Distance in cm (l x w)	61 cm	x	61 cm	2 ft	x	2 ft
Planting Density @ 0.4 hectare	10890					
Terrain	Relatively Flat Land Farm					
Land Preparation	Manual					
Irrigated/Rainfed	Rainfed					
Area	0.4 hectare					
Manday Charge	1300					
Projected Marketable Yield	11364					
Cost of Production \$/Kg	26.87					

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	1	23000	23000
Dig Holes	MD	10	1300	13000
Maintain Trench	MD	20	1300	26000
Planting	MD	11	1300	14300
Pest Management	MD	20	1300	26000
Weeding	MD	10	1300	13000
Fertilising	MD	4	1300	5200
Harvesting	MD	13	1300	16900
Lunch	MD	88	300	26400

SUBTOTAL 163800

**Material Inputs**

Planting Material	11200
Herbicide	4000
Insecticide	26000
Fungicide	1000
Fertiliser	28200

SUBTOTAL 70400

**Other Costs**

Transportation	10 % of material	7040
Contingencies	10 % of labour and material	23420
**Tools discounted for 5 years	(fork, hoe, shovel, maschette etc)	2500
Land Charges per crop cycle	0.4 hectare	3000
Supervision	15% of labour and material	35130

SUBTOTAL 71090

TOTAL OPERATING EXPENDITURE PER CROP CYCLE 305290