

Cost of Production Estimates 2016



PLEASE NOTE:

All COP estimates are given per kilogram or where otherwise stated (NOT IN POUNDS).

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

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

Planting distance stated in both centimetres and inches.

SUMMARY OF RESULTS

Crop	COP \$/kg	COP \$/lb	Parish	Extension
CABBAGE	41	19	Westmoreland	Darliston
CABBAGE	25	11	St. Elizabeth	New Market
CABBAGE	30	14	Manchester	Mile Gully
CARROT	40	18	Westmoreland	New Works
CARROT	20	9	St. Elizabeth	New Market
CARROT	28	13	Manchester	Mile Gully
DASHEEN	31	14	Westmoreland	Little London
DASHEEN	41	19	Hanover	Green Island
DASHEEN	39	18	St. Elizabeth	Braes River
DASHEEN	46	21	St. Ann	St. Ann's Bay
DASHEEN	40	18	Clarendon	Thompson Town
DASHEEN	41	19	St. James	Maroon Town
DASHEEN	49	22	Trelawny	Warsop
GINGER	75	34	St. Ann	Cave Valley
HOT PEPPER (WI RED)	72	33	St. Elizabeth	Balaclava
HOT PEPPER (WI RED)	69	31	St. Ann	Moneague
HOT PEPPER (WI RED)	68	31	Clarendon	May Pen
HOT PEPPER (WI RED)	74	34	Trelawny	Wakefield
HOT PEPPER (WI RED)	72	33	Trelawny	Falmouth (Braco)
HOT PEPPER (WI RED)	75	34	Trelawny	Warsop
IRISH POTATO	46	21	Westmoreland	Darliston
IRISH POTATO	51	23	St. Elizabeth	New Market
IRISH POTATO	46	21	St. Ann	Cave Valley
IRISH POTATO	41	19	St. Ann	Browns Town
IRISH POTATO	41	19	St. Ann	St. Ann's Bay
IRISH POTATO	40	18	St. Ann	Moneague
IRISH POTATO	45	20	Clarendon	Kellits
IRISH POTATO	49	22	Clarendon	Thompson Town
IRISH POTATO	49	22	St. James	Anchovy
IRISH POTATO	53	24	Trelawny	Lowe River
IRISH POTATO	48	22	Trelawny	Albert Town
IRISH POTATO	45	20	St. Mary	Gayle
IRISH POTATO	41	19	St. Mary	Carron Hall
IRISH POTATO	43	20	Manchester	Comfort Hall
IRISH POTATO	47	21	Manchester	Christiana
LUCEA YAM	70	32	Hanover	Luca
NEGRO YAM	68	31	Manchester	Comfort Hall
NEGRO YAM	73	33	Manchester	Bellefield
ONION	46	21	Trelawny	Falmouth (Braco)
PEANUT (\$/bushel)	2874		St. Elizabeth	Santa Cruz
PEANUT (\$/bushel)	2820		St. Elizabeth	Black River
PINEAPPLE (BULL HEAD)	52	24	Westmoreland	Leamington
PINEAPPLE (COW BOY)	51	23	St. James	Catadupa
PINEAPPLE MD2	50	23	St. Elizabeth	Ginger Hill
PUMPKIN (BODLES GLOBE)	20	9	Hanover	Miles Town
PUMPKIN (BODLES GLOBE)	32	15	St. Elizabeth	Black River
PUMPKIN (BODLES GLOBE)	31	14	St. Mary	Gayle
PUMPKIN (BODLES GLOBE)	26	12	St. Mary	Carron Hall
PUMPKIN (BODLES GLOBE)	32	15	St. Mary	Highgate
PUMPKIN (NATIVE)	21	10	St. Elizabeth	Balaclava
PUMPKIN (NATIVE)	22	10	St. Elizabeth	Braes River
PUMPKIN (NATIVE)	25	11	St. Ann	Cave Valley
PUMPKIN (NATIVE)	30	14	Clarendon	May Pen
PUMPKIN (NATIVE)	28	13	St. James	Anchovy
PUMPKIN (NATIVE)	27	12	Trelawny	Jackson Town
PUMPKIN (NATIVE)	32	15	St. Mary	Richmond
PUMPKIN (NATIVE)	32	15	Manchester	Cross Keys
RED PEA	230	105	St. Elizabeth	Santa Cruz
SCOTCH BONNET PEPPER	68	31	Hanover	Miles Town
SCOTCH BONNET PEPPER	77	35	St. Elizabeth	Lacovia
SCOTCH BONNET PEPPER	53	24	St. Mary	Richmond
SWEET CASSAVA	18	8	St. Elizabeth	Santa Cruz
SWEET CASSAVA	19	9	St. Elizabeth	Braes River
SWEET CASSAVA	29	13	Clarendon	May Pen
SWEET CASSAVA	24	11	St. Mary	Annotto Bay
SWEET POTATO	35	16	Westmoreland	New Works
SWEET POTATO	34	15	St. Elizabeth	Lacovia
SWEET POTATO	36	16	St. Elizabeth	Malvern
SWEET POTATO	46	21	St. Ann	Browns Town
SWEET POTATO	31	14	St. Ann	Alexandria
SWEET POTATO	46	21	Clarendon	Mocho
SWEET POTATO	37	17	Clarendon	May Pen
SWEET POTATO	49	22	Trelawny	Jackson Town

SWEET POTATO	46	21	St. Mary	Gayle
SWEET POTATO	54	25	St. Mary	Carron Hall
SWEET POTATO	29	13	St. Mary	Annotto Bay
SWEET POTATO	46	21	Manchester	Comfort Hall
SWEET POTATO	47	21	Manchester	Cross Keys
SWEET POTATO	44	20	Manchester	Newport
SWEET POTATO	55	25	Manchester	Christiana
SWEET POTATO	43	20	Manchester	Mile Gully
TOMATO (PLUMMY)	68	31	Westmoreland	New Works
TOMATO (PLUMMY)	51	23	St. James	Maroon Town
TOMATO (SLICING)	25	11	St. Ann	Claremont
TOMATO (SLICING)	32	15	Clarendon	Mocho
TOMATO (SLICING)	35	16	Trelawny	Albert Town
TOMATO (SLICING)	27	12	St. Mary	Carron Hall
TOMATO (SLICING)	33	15	St. Mary	Highgate
YELLOW YAM	51	23	Hanover	Cascade
YELLOW YAM	57	26	Hanover	Lucea
YELLOW YAM	45	20	St. Elizabeth	Balaclava
YELLOW YAM	62	28	Clarendon	Kellits
YELLOW YAM	55	25	Clarendon	Thompson Town
YELLOW YAM	41	19	St. James	Latium
YELLOW YAM	47	21	Trelawny	Lowe River
YELLOW YAM	46	21	Trelawny	Albert Town
YELLOW YAM	48	22	Trelawny	Warsop
YELLOW YAM	60	27	Manchester	Comfort Hall
YELLOW YAM	63	29	Manchester	Bellefield
YELLOW YAM	54	25	Manchester	Christiana

Parish	Clarendon	
Extension Area	Kellits	
Crop	YELLOW YAM	
Crop Maturity	10 Months	
Reaping Period	1 Month	
Planting Distance (l x w)	cm	150 x 180
	inches	60 x 72
Planting Population	1452	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$1,500	
Projected Marketable Yield (Kg)	9,545	
Cost of Production \$/Kg	\$62	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	2000	20000
Make Mounds	MD	25	2000	50000
Prepare Planting Material	MD	5	2000	10000
Planting	MD	5	2000	10000
Stake and Tie	MD	12	2000	24000
Weeding	MD	15	2000	30000
Fertilising	MD	6	2000	12000
Harvesting	MD	20	2000	40000
Lunch		98	500	49000
SUBTOTAL				<u>\$245,000</u>
Material Inputs				
Planting Material				140000
Fertiliser				28000
Stakes				50000
SUBTOTAL				<u>\$218,000</u>
Other Costs				
Contingencies (10 percent of labour and material)				46300
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material)				69450
SUBTOTAL				<u>\$132,750</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$595,750</u>

Initial land clearing cost are not included given the wide variations present

Parish	Clarendon	
Extension Area	Mocho	
Crop	SWEET POTATO	
Crop Maturity	3 Months	
Reaping Period	2 Months	
Planting Distance in (l x w)		
	cm	60 x 60
	inches	24 x 24
Planting Population	10890	
Terrain	Relatively Flat Land Farm	
Land Preparation	Mechanical	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	5,455	
Cost of Production \$/Kg	\$46	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	2000	16000
Ploughing	tractor	8	2500	20000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	4	2000	8000
Planting	MD	8	2000	16000
Pest Management	MD	4	2000	8000
Weeding	MD	3	2000	6000
Fertilising	MD	1	2000	2000
Harvesting	MD	15	2000	30000
Lunch		39	500	19500
SUBTOTAL				<u><u>\$145,500</u></u>
Material Inputs				
Planting Material				15000
Fertiliser				20800
Insecticide				7800
SUBTOTAL				<u><u>\$43,600</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				18910
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (10 percent of labour and material)				28365
SUBTOTAL				<u><u>\$59,275</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$248,375</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	Clarendon	
Extension Area	Thompson Town	
Crop	IRISH POTATO	
Crop Maturity	3 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	75 x 30
	inches	30 x 12
Plant Population	17424	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	10,000	
Cost of Production \$/Kg	\$49	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	2000	16000
Ploughing	MD	12	2000	24000
Furrowing	MD	8	2000	16000
Moulding	MD	8	2000	16000
Maintain Trench	MD	5	2000	10000
Planting	MD	10	2000	20000
Pest Management	MD	10	2000	20000
Fertilising	MD	3	2000	6000
Harvesting	MD	20	2000	40000
Lunch		84	500	42000
SUBTOTAL				<u><u>\$210,000</u></u>
Material Inputs				
Planting Material				110000
Fertiliser				28000
Insecticide				16000
Fungicide				9000
Herbicide				4200
SUBTOTAL				<u><u>\$167,200</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				37720
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material)				56580
SUBTOTAL				<u><u>\$111,300</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$488,500</u></u>

Initial land clearing cost are not included given the wide variations present

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Parish	Hanover	
Extension Area	Cascade	
Crop	YELLOW YAM	
Crop Maturity	9 Months	
Reaping Period	1.5 Months	
Planting Distance (l x w)	cm	120 x 120
	inches	48 x 48
Plant Population	2723	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	7,500	
Cost of Production \$/Kg	\$51	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	2000	30000
Make Mounds	MD	20	2000	40000
Prepare Planting Material	MD	5	2000	10000
Planting	MD	10	2000	20000
Stake and Tie	MD	10	2000	20000
Weeding	MD	12	2000	24000
Fertilising	MD	2	2000	4000
Harvesting	MD	12	2000	24000
Lunch		86	500	43000
SUBTOTAL				<u>\$215,000</u>
Material Inputs				
Planting Material				49014
Fertiliser				16500
*Stakes (Dep. 3 yrs.)				15000
SUBTOTAL				<u>\$80,514</u>
Other Costs				
Contingencies (10 percent of labour and material)				29551.4
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				44327
SUBTOTAL				<u>\$85,879</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$381,393</u>

Initial land clearing cost are not included given the wide variations present

HANOVER

Parish	Hanover	
Extension Area	Lucea	
Crop	LUCEA YAM	
Crop Maturity	6 Months	
Reaping Period	2.5 Months	
Planting Distance (l x w)		
	cm	150 x 120
	inches	60 x 48
Plant Population	2178	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	8,091	
Cost of Production \$/Kg	\$70	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	20	2000	40000
Make Mounds	MD	40	2000	80000
Maintain Trench	MD	2	2000	4000
Prepare Planting Material	MD	5	2000	10000
Planting	MD	15	2000	30000
Stake and Tie	MD	10	2000	20000
Fertilising	MD	2	2000	4000
Weeding	MD	10	2000	20000
Harvesting	MD	15	2000	30000

Lunch		119	500	59500
SUBTOTAL				<u>\$297,500</u>
Material Inputs				
Planting Material				115000
Fertiliser				11000
*Stakes (Dep. 3 yrs.)				21780
SUBTOTAL				<u>\$147,780</u>
Other Costs				
Contingencies (10 percent of labour and material)				44528
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				66792
SUBTOTAL				<u>\$123,320</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$568,600</u>

Initial land clearing cost are not included given the wide variations present

HANOVER

Parish	Hanover	
Extension Area	Lucea	
Crop	YELLOW YAM	
Crop Maturity	9 Months	
Reaping Period	1.5 Months	
Planting Distance (l x w)		
	cm	120 x 120
	inches	48 x 48
Plant Population	2723	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	9,091	
Cost of Production \$/Kg	\$57	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	20	2000	40000
Make Mounds	MD	32	2000	64000
Maintain Trench	MD	2	2000	4000
Prepare Planting Material	MD	3	2000	6000
Planting	MD	2	2000	4000
Stake and Tie	MD	12	2000	24000
Weeding	MD	15	2000	30000
Fertilising	MD	2	2000	4000
Harvesting	MD	10	2000	20000

Lunch		98	500	<u>49000</u>
SUBTOTAL				<u><u>\$245,000</u></u>
Material Inputs				
Planting Material				125000
Fertiliser				15000
*Stakes (Dep. 3 yrs.)				21780

SUBTOTAL				<u><u>\$161,780</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				40678
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				61017
SUBTOTAL				<u><u>\$113,695</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$520,475</u></u>

Initial land clearing cost are not included given the wide variations present

HANOVER

Parish	Hanover	
Extension Area	Green Island	
Crop	DASHEEN	
Crop Maturity	6 Months	
Reaping Period	1 Month	
Planting Distance (l x w)	cm	75 x 75
	inches	30 x 30
Plant Population	6970	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	9,545	
Cost of Production \$/Kg	\$41	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	2000	30000
Prepare Planting Material	MD	4	2000	8000
Dig Holes/Plant	CW	10	2500	25000
Pest Management	MD	5	2000	10000
Weeding	MD	2	2000	4000
Fertilising	MD	2	2000	4000
Harvesting	MD	14	2000	28000

Lunch	42	500	<u>21000</u>
SUBTOTAL			<u><u>\$130,000</u></u>

Material Inputs			
Planting Material			139400
Fertiliser			11600
Insecticide			12000
Herbicide			5600

SUBTOTAL			<u><u>\$168,600</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			29860
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			44790
SUBTOTAL			<u><u>\$91,650</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$390,250</u></u>

Initial land clearing cost are not included given the wide variations present

HANOVER

Parish	Hanover	
Extension Area	Miles Town	
Crop	PUMPKIN (BODLES GLOBE)	
Crop Maturity	5 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	180 x 180
	inches	72 x 72
Plant Population	1210	
Terrain	Relatively Flat Land Farm	
Land Preparation	Mechanical	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	5,455	
Cost of Production \$/Kg	\$20	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	2000	10000
Planting	MD	4	2000	8000
Pest Management	MD	3	2000	6000
Weeding	MD	2	2000	4000
Fertilising	MD	2	2000	4000
Harvesting	MD	2	2000	4000

Lunch	18	500	9000
SUBTOTAL			<u>\$45,000</u>

Material Inputs			
Planting Material			2500
Fertiliser			11000
Insecticide			11000
Fungicide			4000
Herbicide			5000

SUBTOTAL			<u>\$33,500</u>
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Other Costs			
Contingencies (10 percent of labour and material)			7850
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			11775
SUBTOTAL			<u>\$31,625</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$110,125</u>

Initial land clearing cost are not included given the wide variations present

HANOVER

Parish	Hanover	
Extension Area	Miles Town	
Crop	SCOTCH BONNET PEPPER	
Crop Maturity	3 Months	
Reaping Period	9 Months	
Planting Distance (l x w)	cm	90 x 120
	inches	36 x 48
Plant Population	3630	
Terrain	Relatively Flat Land Farm	
Land Preparation	Mechanical	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	7,500	
Cost of Production \$/Kg	\$68	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	2000	10000
Ploughing	tractor	8	2500	20000
Dig Holes	MD	5	2000	10000
Maintain Trench	MD	2	2000	4000
Planting	MD	2	2000	4000
Pest Management	MD	10	2000	20000
Weeding	MD	6	2000	12000
Fertilising	MD	2	2000	4000
Harvesting	MD	90	1500	135000

Lunch		122	500	<u>61000</u>
SUBTOTAL				<u><u>\$280,000</u></u>

Material Inputs				
Planting Material				54000
Fertiliser				38000
Insecticide				10000
Fungicide				8000
Herbicide				2800

SUBTOTAL				<u><u>\$112,800</u></u>
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Other Costs				
Contingencies (10 percent of labour and material)				39280
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material) (15 percent of labour and material)				58920
SUBTOTAL				<u><u>\$115,200</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$508,000</u></u>

Note: Labour cost for Harvesting is \$1500/MD

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Comfort Hall	
Crop	SWEET POTATO	
Crop Maturity	5 Months	
Reaping Period	1 Month	
Planting Distance (l x w)	cm	60 x 60
	inches	24 x 24
Plant Population	10890	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$1,500	
Projected Marketable Yield (Kg)	4,545	
Cost of Production \$/Kg	\$46	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	CW	10	2000	20000
Harrowing	CW	5	2000	10000
Furrowing	CW	5	2000	10000
Prepare Planting Material	MD	6	1500	9000
Planting	MD	7	1500	10500
Pest Management	MD	2	1500	3000
Weeding	MD	3	1500	4500
Fertilising	MD	1	1500	1500
Harvesting	MD	10	1500	15000
Lunch		37	500	18500
SUBTOTAL				<u>\$114,000</u>
Material Inputs				
Planting Material				15000
Fertiliser				22000
Insecticide				3000
Herbicide				2800
SUBTOTAL				<u>\$42,800</u>
Other Costs				
Contingencies (10 percent of labour and material)				15680
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				23520
SUBTOTAL				<u>\$51,200</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$208,000</u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Comfort Hall	
Crop	NEGRO YAM	
Crop Maturity	7 Months	
Reaping Period	3 Months	
Planting Distance (l x w)	cm	180 x 180
	inches	72 x 72
Plant Population	1210	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	6,818	
Cost of Production \$/Kg	\$68	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	2000	16000
Ploughing	CW	12	2500	30000
Make Mounds	CW	12	2500	30000
Maintain Trench	MD	3	2000	6000
Prepare Planting Material	MD	2	2000	4000
Planting	MD	3	2000	6000
Stake and Tie	MD	16	2000	32000
Weeding	MD	9	2000	18000
Fertilising	MD	1	2000	2000
Harvesting	MD	30	2000	60000
Lunch		72	500	36000
SUBTOTAL				<u><u>\$240,000</u></u>
Material Inputs				
Planting Material				45000
Stakes				30000
Fertiliser				43000
Herbicide				4400
SUBTOTAL				<u><u>\$122,400</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				36240
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				54360
SUBTOTAL				<u><u>\$102,600</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$465,000</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Comfort Hall	
Crop	YELLOW YAM	
Crop Maturity	12 Months	
Reaping Period	2 Months	
Planting Distance (l x w)		
	cm	150 x 180
	inches	60 x 72
Plant Population	1452	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	9,091	
Cost of Production \$/Kg	\$60	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	2000	16000
Make Mounds	CW	20	2500	50000
Maintain Trench	MD	3	2000	6000
Prepare Planting Material	MD	5	2000	10000
Planting	MD	8	2000	16000
Stake and Tie	MD	15	2000	30000
Weeding	MD	8	2000	16000
Fertilising	MD	2	2000	4000
Harvesting	MD	36	2000	72000
Lunch		85	500	42500
SUBTOTAL				<u><u>\$262,500</u></u>
Material Inputs				
Planting Material				60000
Stakes				50000
Fertiliser				51000
Herbicide				5600
SUBTOTAL				<u><u>\$166,600</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				42910
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				64365
SUBTOTAL				<u><u>\$119,275</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$548,375</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Cross Keys	
Crop	PUMPKIN (NATIVE)	
Crop Maturity	4 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	300 x 300
	inches	120 x 120
Plant Population	436	
Terrain	Relatively Flat Land Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	6,364	
Cost of Production \$/Kg	\$32	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	2000	16000
Ploughing	MD	10	2000	20000
Dig Holes	MD	2	2000	4000
Planting	MD	2	2000	4000
Pest Management	MD	6	2000	12000
Weeding	MD	12	2000	24000
Fertilising	MD	2	2000	4000
Harvesting	MD	8	2000	16000
Lunch		50	500	25000
SUBTOTAL				<u><u>\$125,000</u></u>
Material Inputs				
Planting Material				2500
Fertiliser				11000
Insecticide				5500
Fungicide				4500
Herbicide				4200
SUBTOTAL				<u><u>\$27,700</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				15270
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				22905
SUBTOTAL				<u><u>\$50,175</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$202,875</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Cross Keys	
Crop	SWEET POTATO	
Crop Maturity	4 Months	
Reaping Period	2 Months	
Planting Distance (l x w)		
	cm	30 x 90
	inches	12 x 36
Plant Population	14520	
Terrain	Relatively Flat Land Farm	
Land Preparation	Mechanical	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	5,455	
Cost of Production \$/Kg	\$47	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	2000	12000
Ploughing	tractor	8	2500	20000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	8	2000	16000
Planting	MD	6	2000	12000
Pest Management	MD	4	2000	8000
Weeding	MD	2	2000	4000
Fertilising	MD	1	2000	2000
Harvesting	MD	14	2000	28000
Lunch		41	500	20500
SUBTOTAL				<u>\$142,500</u>
Material Inputs				
Planting Material				12000
Fertiliser				30000
Insecticide				4500
Herbicide				4400
SUBTOTAL				<u>\$50,900</u>
Other Costs				
Contingencies (10 percent of labour and material)				19340
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				29010
SUBTOTAL				<u>\$60,350</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$253,750</u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Newport	
Crop	SWEET POTATO	
Crop Maturity	4 Months	
Reaping Period	2 Months	
Planting Distance (l x w)	cm	45 x 90
	inches	18 x 36
Plant Population	9680	
Terrain	Relatively Flat Land Farm	
Land Preparation	Mechanical	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	5,455	
Cost of Production \$/Kg	\$44	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	2000	12000
Ploughing	tractor	8	2500	20000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	5	2000	10000
Planting	MD	4	2000	8000
Pest Management	MD	2	2000	4000
Weeding	MD	5	2000	10000
Fertilising	MD	1	2000	2000
Harvesting	MD	14	2000	28000
Lunch		37	500	18500
SUBTOTAL				<u>\$132,500</u>
Material Inputs				
Planting Material				15000
Fertiliser				27000
Insecticide				1750
Herbicide				4800
SUBTOTAL				<u>\$48,550</u>
Other Costs				
Contingencies (10 percent of labour and material)				18105
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				27158
SUBTOTAL				<u>\$57,263</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$238,313</u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Bellefield	
Crop	YELLOW YAM	
Crop Maturity	12 Months	
Reaping Period	2 Months	
Planting Distance (l x w)	cm	180 x 210
	inches	72 x 84
Plant Population	1037	
Terrain	Relatively Flat Land Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$1,500	
Projected Marketable Yield (Kg)	6,364	
Cost of Production \$/Kg	\$63	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Make Mounds	CW	16	2500	40000
Prepare Planting Material	MD	3	1500	4500
Planting	MD	8	1500	12000
Stake and Tie	CW	20	2000	40000
Weeding	MD	24	1500	36000
Fertilising	MD	1	1500	1500
Harvesting	MD	15	1500	22500
Lunch		53	500	26500
SUBTOTAL				<u><u>\$186,000</u></u>
Material Inputs				
Planting Material				50000
Stakes				50000
Fertiliser				18000
Herbicide				5200
SUBTOTAL				<u><u>\$123,200</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				30920
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material)				46380
SUBTOTAL				<u><u>\$94,300</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$403,500</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Christiana	
Crop	IRISH POTATO	
Crop Maturity	3 Months	
Reaping Period	1 Month	
Planting Distance (l x w)	cm	30 x 90
	inches	12 x 36
Plant Population	14520	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	10,000	
Cost of Production \$/Kg	\$47	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	2000	14000
Ploughing	MD	10	2000	20000
Furrowing	MD	6	2000	12000
Moulding	MD	8	2000	16000
Planting	MD	5	2000	10000
Fertilising	MD	2	2000	4000
Harvesting	MD	30	2000	60000
Lunch		68	500	34000
SUBTOTAL				<u>\$170,000</u>
Material Inputs				
Planting Material				88000
Fertiliser				36400
Insecticide				31000
Fungicide				38000
Herbicide				2800
SUBTOTAL				<u>\$196,200</u>
Other Costs				
Contingencies (10 percent of labour and material)				36620
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				54930
SUBTOTAL				<u>\$103,550</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$469,750</u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Christiana	
Crop	SWEET POTATO	
Crop Maturity	4 Months	
Reaping Period	2 Months	
Planting Distance (l x w)		
	cm	60 x 90
	inches	24 x 36
Plant Population	7260	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$1,500	
Projected Marketable Yield (Kg)	3,636	
Cost of Production \$/Kg	\$55	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	MD	12	1500	18000
Harrowing	MD	7	1500	10500
Furrowing	MD	7	1500	10500
Prepare Planting Material	MD	4	1500	6000
Planting	MD	5	1500	7500
Pest Management	MD	2	1500	3000
Weeding	MD	5	1500	7500
Fertilising	MD	1	1500	1500
Harvesting	MD	7	1500	10500
Lunch		57	500	28500
SUBTOTAL				<u>\$114,000</u>
Material Inputs				
Planting Material				10000
Fertiliser				21000
Insecticide				1600
Herbicide				2800
SUBTOTAL				<u>\$35,400</u>
Other Costs				
Contingencies (10 percent of labour and material)				14940
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				22410
SUBTOTAL				<u>\$49,350</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$198,750</u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Mile Gully	
Crop	CABBAGE	
Crop Maturity	3 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	60 x 30
	inches	24 x 12
Plant Population	21780	
Terrain	Relatively Flat Land Farm	
Land Preparation	Mechanical	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	10,227	
Cost of Production \$/Kg	\$30	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	2000	14000
Dig Holes	MD	4	2000	8000
Furrowing	MD	7	2000	14000
Nursery Operations	MD	1	2000	2000
Transplanting	MD	5	2000	10000
Pest Management	MD	20	2000	40000
Weeding	MD	10	2000	20000
Fertilising	MD	3	2000	6000
Harvesting	MD	15	2000	30000
Lunch		72	500	36000
SUBTOTAL				<u>\$180,000</u>
Material Inputs				
Planting Material				15000
Fertiliser				24000
Insecticide				17500
Fungicide				3000
SUBTOTAL				<u>\$59,500</u>
Other Costs				
Contingencies (10 percent of labour and material)				23950
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				35925
SUBTOTAL				<u>\$71,875</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$311,375</u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester	
Extension Area	Mile Gully	
Crop	SWEET POTATO	
Crop Maturity	5 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	120 x 30
	inches	48 x 12
Plant Population	10890	
Terrain	Relatively Flat Land Farm	
Land Preparation	Mechanical	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	5,455	
Cost of Production \$/Kg	\$43	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	2000	14000
Ploughing	tractor	8	2500	20000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	5	2000	10000
Planting	MD	6	2000	12000
Pest Management	MD	2	2000	4000
Weeding	MD	3	2000	6000
Fertilising	MD	1	2000	2000
Harvesting	MD	12	2000	24000
Lunch		52	500	26000
SUBTOTAL				<u>\$138,000</u>
Material Inputs				
Planting Material				16000
Fertiliser				20000
Insecticide				3000
Herbicide				2500
SUBTOTAL				<u>\$41,500</u>
Other Costs				
Contingencies (10 percent of labour and material)				17950
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				26925
SUBTOTAL				<u>\$56,875</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$236,375</u>

Initial land clearing cost are not included given the wide variations present

Parish	Manchester
Extension Area	Mile Gully
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcast
Plant Population	≈116000
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	5,455
Cost of Production \$/Kg	\$28

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	2000	14000
Ploughing	tractor	10	2000	20000
Planting	MD	1	2000	2000
Pest Management	MD	2	2000	4000
Weeding	MD	7	2000	14000
Fertilising	MD	1	2000	2000
Harvesting	MD	8	2000	16000
Lunch		26	500	13000
SUBTOTAL				<u><u>\$85,000</u></u>
Material Inputs				
Planting Material				6000
Fertiliser				13000
Insecticide				3500
Fungicide				2000
Herbicide				4800
SUBTOTAL				<u><u>\$29,300</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				11430
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				17145
SUBTOTAL				<u><u>\$40,575</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$154,875</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	Cave Valley
Crop	PUMPKIN (NATIVE)
Crop Maturity	4 Months
Reaping Period	2 Months
Planting Distance (l x w)	
cm	240 x 240
inches	96 x 96
Plant Population	681
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	6,364
Cost of Production \$/Kg	\$25

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	2000	20000
Dig Holes/Plant	MD	5	2000	10000
Pest Management	MD	6	2000	12000
Weeding	MD	3	2000	6000
Fertilising	MD	2	2000	4000
Harvesting	MD	8	2000	16000

Lunch	34	500	17000
SUBTOTAL			<u>\$85,000</u>

Material Inputs			
Planting Material			1500
Fertiliser			12000
Insecticide			14000
Fungicide			2000
Herbicide			5500

SUBTOTAL			<u>\$35,000</u>
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Other Costs			
Contingencies (10 percent of labour and material)			12000
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3500
Supervision (15 percent of labour and material)			18000
SUBTOTAL			<u>\$40,500</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$160,500</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	Cave Valley
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	30 x 90
inches	12 x 36
Plant Population	14520
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	9,545
Cost of Production \$/Kg	\$46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	2000	20000
Ploughing	MD	10	2000	20000
Furrowing	MD	5	2000	
Moulding	MD	12	2000	24000
Planting	MD	5	2000	10000
Pest Management	MD	10	2000	20000
Fertilising	MD	4	2000	8000
Harvesting	MD	16	2000	32000

Lunch	72	500	36000
SUBTOTAL			<u>\$170,000</u>

Material Inputs			
Planting Material			97200
Fertiliser			42000
Insecticide			9000
Fungicide			28000

SUBTOTAL			<u>\$176,200</u>
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Other Costs			
Contingencies (10 percent of labour and material)			34620
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3500
Supervision (15 percent of labour and material)			51930
SUBTOTAL			<u>\$97,050</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$443,250</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	Browns Town
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	75 x 30
inches	30 x 12
Plant Population	17424
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	10,000
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	2000	10000
Ploughing	MD	10	2000	20000
Furrowing	MD	10	2000	20000
Moulding	MD	10	2000	20000
Planting	MD	3	2000	6000
Pest Management	MD	7	1500	10500
Fertilising	MD	3	1500	4500
Harvesting	MD	20	1500	30000

Lunch	68	500	34000
SUBTOTAL			<u>\$155,000</u>

Material Inputs			
Planting Material			99000
Fertiliser			38000
Insecticide			7000
Fungicide			14000
Herbicide			4500

SUBTOTAL			<u>\$162,500</u>
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Other Costs			
Contingencies (10 percent of labour and material)			31750
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3500
Supervision (15 percent of labour and material)			47625
SUBTOTAL			<u>\$89,875</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$407,375</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	St. Ann's Bay
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	1.5 Months
Planting Distance (l x w)	
cm	60 x 60
inches	24 x 24
Plant Population	10890
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	9,545
Cost of Production \$/Kg	\$46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	2000	14000
Dig Holes	MD	15	2000	30000
Maintain Trench	MD	5	2000	10000
Prepare Planting Material	MD	10	2000	20000
Planting	MD	10	2000	20000
Pest Management	MD	3	2000	6000
Fertilising	MD	2	2000	4000
Harvesting	MD	25	2000	50000

Lunch	77	500	38500
SUBTOTAL			<u>\$192,500</u>

Material Inputs			
Planting Material			87000
Fertiliser			53000
Insecticide			5000

SUBTOTAL			<u>\$145,000</u>
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Other Costs			
Contingencies (10 percent of labour and material)			33750
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			50625
SUBTOTAL			<u>\$101,375</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$438,875</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	St. Ann's Bay
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	60 x 30
inches	24 x 12
Plant Population	21780
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	11,364
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	2000	14000
Ploughing	MD	15	2000	30000
Moulding	MD	20	2000	40000
Maintain Trench	MD	6	2000	12000
Planting	MD	4	2000	8000
Pest Management	MD	10	2000	20000
Fertilising	MD	2	2000	4000
Harvesting	MD	25	2000	50000

Lunch	89	500	44500
SUBTOTAL			<u><u>\$222,500</u></u>

Material Inputs			
Planting Material			97200
Fertiliser			22400
Insecticide			5000
Fungicide			15000

SUBTOTAL			<u><u>\$139,600</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			36210
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			54315
SUBTOTAL			<u><u>\$102,525</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$464,625</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	Claremont
Crop	TOMATO (SLICING)
Crop Maturity	3 Months
Reaping Period	2 Months
Planting Distance (l x w)	
cm	60 x 90
inches	24 x 36
Plant Population	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	12,273
Cost of Production \$/Kg	\$25

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Dig Holes	MD	8	1500	12000
Nursery Operations	MD	3	1500	4500
Transplanting	MD	4	1500	6000
Stake and Tie	MD	10	1500	15000
Pest Management	MD	18	1500	27000
Weeding	MD	6	1500	9000
Fertilising	MD	3	1500	4500
Harvesting	MD	24	1500	36000

Lunch	78	500	39000
SUBTOTAL			<u>\$156,000</u>
Material Inputs			
Planting Material			10000
Fertiliser			21000
Insecticide			16000
Fungicide			21000
Herbicide			4500
Stakes (Dep. 3 yrs.)			10800
SUBTOTAL			<u>\$83,300</u>
Other Costs			
Contingencies (10 percent of labour and material)			23930
**Tools discounted for 5 years			7000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			35895
SUBTOTAL			<u>\$70,825</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$310,125</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	Alexandria
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	60 x 60
inches	24 x 24
Plant Population	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	5,455
Cost of Production \$/Kg	\$31

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	2000	12000
Ploughing	tractor	6	2000	12000
Furrowing	tractor	3	2000	6000
Planting	MD	8	2000	16000
Pest Management	MD	5	2000	10000
Weeding	MD	3	2000	6000
Fertilising	MD	1	2000	2000
Harvesting	MD	9	2000	18000

Lunch	32	300	9600
SUBTOTAL			<u>\$91,600</u>

Material Inputs			
Planting Material			10000
Fertiliser			16500
Insecticide			6500
Herbicide			1300

SUBTOTAL			<u>\$34,300</u>
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Other Costs			
Contingencies (10 percent of labour and material)			12590
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			18885
SUBTOTAL			<u>\$43,475</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$169,375</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	Moneague
Crop	HOT PEPPER (WI RED)
Crop Maturity	4 Months
Reaping Period	5 Months
Planting Distance (l x w)	
cm	90 x 90
inches	36 x 36
Plant Population	4840
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	11,364
Cost of Production \$/Kg	\$69

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	tractor	7	2500	17500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	6	1500	9000
Pest Management	MD	18	1500	27000
Weeding	MD	6	1500	9000
Fertilising	MD	4	1500	6000
Harvesting	MD	200	1500	300000

Lunch	248	300	74400
SUBTOTAL			<u>\$463,900</u>
Material Inputs			
Planting Material			48400
Potting Mixture			9000
Seed Trays			4840
Fertiliser			43000
Insecticide			28000
Fungicide			8400
Herbicide			9800
SUBTOTAL			<u>\$151,440</u>
Other Costs			
Contingencies (10 percent of labour and material)			61534
**Tools discounted for 5 years			7000
Land Charges per crop cycle			6000
Supervision (15 percent of labour and material)			92301
SUBTOTAL			<u>\$166,835</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$782,175</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Ann
Extension Area	Moneague
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	30 x 90
inches	12 x 36
Plant Population	14520
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	9,091
Cost of Production \$/Kg	\$40

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	tractor	8	2500	20000
Furrowing	tractor	4	2500	10000
Moulding	MD	4	1500	6000
Planting	MD	6	1500	9000
Pest Management	MD	8	1500	12000
Fertilising	MD	4	1500	6000
Harvesting	MD	12	1500	18000

Lunch	44	300	13200
SUBTOTAL			<u>\$109,200</u>
Material Inputs			
Planting Material			90000
Fertiliser			50000
Insecticide			7000
Fungicide			22000
Herbicide			5600
SUBTOTAL			<u>\$174,600</u>
Other Costs			
Contingencies (10 percent of labour and material)			28380
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			42570
SUBTOTAL			<u>\$80,950</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$364,750</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

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Parish	St. Elizabeth
Extension Area	Santo Cruz
Crop	PEANUT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcast
Plant Population	≈35000
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Bushel)	50
Cost of Production \$/bushel	\$2,874

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	CW	5	1500	7500
Ploughing	tractor	4	2500	10000
Harrowing	tractor	3	2500	7500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	1	1500	1500
Pest Management	MD	3	1500	4500
Weeding	MD	6	1500	9000
Fertilising	MD	1	1500	1500
Harvesting	MD	8	1500	12000
Lunch		20	500	10000
SUBTOTAL				<u>\$65,000</u>
Material Inputs				
Planting Material				22500
Fertiliser				11800
Insecticide				1250
Fungicide				1500
Herbicide				2500
SUBTOTAL				<u>\$39,550</u>
Other Costs				
Contingencies (10 percent of labour and material)				10455
**Tools discounted for 5 years				7000
Land Charges per crop cycle				6000
Supervision (15 percent of labour and material)				15683
SUBTOTAL				<u>\$39,138</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$143,688</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Santo Cruz
Crop	SWEET CASSAVA
Crop Maturity	9 Months
Reaping Period	1.5 Months
Planting Distance (l x w)	
	cm 90 x 60
	inches 36 x 24
Plant Population	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	9,545
Cost of Production \$/Kg	\$18

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	4	2500	10000
Furrowing	tractor	3	2500	7500
Prepare Planting Material	MD	2	2000	4000
Planting	MD	4	2000	8000
Weeding	MD	6	2000	12000
Fertilising	MD	1	2000	2000
Harvesting	MD	12	2000	24000
Lunch		30	300	9000
SUBTOTAL				<u><u>\$84,000</u></u>
Material Inputs				
Planting Material				7260
Fertiliser				23200
Herbicide				8000
SUBTOTAL				<u><u>\$38,460</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				12246
**Tools discounted for 5 years				7000
Land Charges per crop cycle				12000
Supervision (15 percent of labour and material)				18369
SUBTOTAL				<u><u>\$49,615</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$172,075</u></u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Santo Cruz
Crop	RED PEA
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
	cm 17.5 x 17.5
	inches 7 x 7
Plant Population	128118
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	975
Cost of Production \$/Kg	\$230

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Dig Holes	MD	7	1500	10500
Planting	MD	7	1500	10500
Pest Management	MD	5	1500	7500
Weeding	MD	15	1500	22500
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch		61	500	30500
SUBTOTAL				<u><u>\$122,000</u></u>

Material Inputs				
Planting Material				15000
Fertiliser				23200
Insecticide				3000
Fungicide				3500
Herbicide				4000

SUBTOTAL				<u><u>\$48,700</u></u>
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Other Costs				
Contingencies (10 percent of labour and material)				17070
**Tools discounted for 5 years				7000
Land Charges per crop cycle				4000
Supervision (15 percent of labour and material)				25605
SUBTOTAL				<u><u>\$53,675</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$224,375</u></u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Lacovia
Crop	SWEET POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
	cm 60 x 60
	inches 24 x 24
Plant Population	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	6,364
Cost of Production \$/Kg	\$34

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	5	2000	10000
Furrowing	tractor	3	2000	6000
Prepare Planting Material	MD	3	1500	4500
Planting	MD	7	1500	10500
Pest Management	MD	6	1500	9000
Weeding	MD	8	1500	12000
Fertilising	MD	2	1500	3000
Harvesting	MD	18	1500	27000

Lunch	48	500	24000
SUBTOTAL			<u>\$112,000</u>

Material Inputs			
Planting Material			21000
Fertiliser			23200
Insecticide			4200
Herbicide			5600

SUBTOTAL			<u>\$54,000</u>
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Other Costs			
Contingencies (10 percent of labour and material)			16600
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			24900
SUBTOTAL			<u>\$53,500</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$219,500</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Lacovia
Crop	SCOTCH BONNET PEPPER
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance (l x w)	
	cm 60 x 120
	inches 24 x 48
Plant Population	5445
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	12,273
Cost of Production \$/Kg	\$77

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	5	2000	10000
Furrowing	tractor	3	2000	6000
Planting	MD	5	1500	7500
Pest Management	MD	40	1500	60000
Weeding	MD	30	1500	45000
Fertilising	MD	8	1500	12000
Harvesting	MD	152	1500	228000

Lunch	239	500	119500
SUBTOTAL			<u><u>\$494,000</u></u>

Material Inputs			
Planting Material			71000
Fertiliser			77000
Insecticide			50000
Fungicide			30000
Herbicide			16000

SUBTOTAL			<u><u>\$244,000</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			73800
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			110700
SUBTOTAL			<u><u>\$201,500</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$939,500</u></u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Balaclava
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	1.5 Months
Planting Distance (l x w)	
	cm 180 x 180
	inches 72 x 72
Plant Population	1210
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	10,909
Cost of Production \$/Kg	\$45

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Make Mounds	CW	15	2500	37500
Prepare Planting Material	MD	6	1500	9000
Planting	MD	4	1500	6000
Stake and Tie	MD	15	1500	22500
Weeding	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	36	1500	54000

Lunch	82	500	41000
SUBTOTAL			<u>\$201,500</u>

Material Inputs			
Planting Material			120000
Fertiliser			23200
Herbicide			5200
Stakes (Dep. 3yrs.)			22500

SUBTOTAL			<u>\$170,900</u>
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Other Costs			
Contingencies (10 percent of labour and material)			37240
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			55860
SUBTOTAL			<u>\$115,100</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$487,500</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Balacava
Crop	HOT PEPPER (WI RED)
Crop Maturity	3 Months
Reaping Period	8 Months
Planting Distance (l x w)	
	cm 60 x 90
	inches 24 x 36
Plant Population	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	13,636
Cost of Production \$/Kg	\$72

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	CW	4	2500	10000
Ploughing	tractor	6	2500	15000
Furrowing	tractor	4	2500	10000
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	12	1500	18000
Transplanting	MD	10	1500	15000
Pest Management	MD	20	1500	30000
Weeding	MD	25	1500	37500
Fertilising	MD	8	1500	12000
Harvesting	MD	220	1500	330000

Lunch	297	300	89100
SUBTOTAL			<u><u>\$569,600</u></u>

Material Inputs			
Planting Material			5000
Seed Trays			24500
Water			18000
Fertiliser			69600
Insecticide			50000
Fungicide			30000
Herbicide			2500

SUBTOTAL			<u><u>\$199,600</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			76920
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			115380
SUBTOTAL			<u><u>\$214,300</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$983,500</u></u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Balaclava
Crop	PUMPKIN (NATIVE)
Crop Maturity	4 Months
Reaping Period	2 Months
Planting Distance (l x w)	
	cm 180 x 180
	inches 72 x 72
Plant Population	1210
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	7,273
Cost of Production \$/Kg	\$21

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	MD	7	1500	10500
Planting	MD	2	1500	3000
Pest Management	MD	8	1500	12000
Weeding	MD	4	1500	6000
Fertilising	MD	3	1500	4500
Harvesting	MD	12	1500	18000

Lunch	43	200	8600
SUBTOTAL			<u>\$73,100</u>

Material Inputs			
Planting Material			1200
Fertiliser			23200
Insecticide			5000
Herbicide			5500

SUBTOTAL			<u>\$34,900</u>
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Other Costs			
Contingencies (10 percent of labour and material)			10800
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			16200
SUBTOTAL			<u>\$41,500</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$149,500</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Black River
Crop	PEANUT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcast
Plant Population	≈35000
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Bushel)	70
Cost of Production \$/bushel	\$2,820

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	MD	16	1500	24000
Furrowing	MD	8	1500	12000
Prepare Planting Material	MD	1	1500	1500
Planting	MD	1	1500	1500
Pest Management	MD	3	1500	4500
Weeding	MD	6	1500	9000
Fertilising	MD	1	1500	1500
Harvesting	MD	10	1500	15000

Lunch	52	500	26000
SUBTOTAL			<u>\$104,000</u>

Material Inputs

Planting Material	22500
Fertiliser	12000
Insecticide	2800
Fungicide	1500
Herbicide	3500

SUBTOTAL	<u>\$42,300</u>
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Other Costs

Contingencies (10 percent of labour and material)	14630
**Tools discounted for 5 years	7000
Land Charges per crop cycle	7500
Supervision (15 percent of labour and material)	21945
SUBTOTAL	<u>\$51,075</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE	<u>\$197,375</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Black River
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	3 Months
Reaping Period	2 Months
Planting Distance (l x w)	
	cm 180 x 180
	inches 72 x 72
Plant Population	1210
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	6,364
Cost of Production \$/Kg	\$32

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	MD	14	1500	21000
Planting	MD	2	2000	4000
Pest Management	MD	8	2000	16000
Weeding	MD	4	2000	8000
Fertilising	MD	2	2000	4000
Harvesting	MD	10	2000	20000

Lunch	46	500	<u>23000</u>
SUBTOTAL			<u><u>\$105,000</u></u>

Material Inputs			
Planting Material			3000
Fertiliser			14000
Insecticide			16000
Fungicide			6000
Herbicide			8000

SUBTOTAL			<u><u>\$47,000</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			15200
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			22800
SUBTOTAL			<u><u>\$52,500</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$204,500</u></u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Malvern
Crop	SWEET POTATO
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance (l x w)	
	cm 60 x 60
	inches 24 x 24
Plant Population	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	6,364
Cost of Production \$/Kg	\$36

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	4	2500	10000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	3	2500	7500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	7	1500	10500
Pest Management	MD	6	1500	9000
Weeding	MD	8	1500	12000
Fertilising	MD	2	1500	3000
Harvesting	MD	15	1500	22500
Lunch		43	500	21500
SUBTOTAL				<u>\$113,500</u>
Material Inputs				
Planting Material				21000
Fertiliser				23200
Insecticide				8000
Herbicide				6000
SUBTOTAL				<u>\$58,200</u>
Other Costs				
Contingencies (10 percent of labour and material)				17170
**Tools discounted for 5 years				7000
Land Charges per crop cycle				7500
Supervision (15 percent of labour and material)				25755
SUBTOTAL				<u>\$57,425</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$229,125</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Braes River
Crop	PUMPKIN (NATIVE)
Crop Maturity	3 Months
Reaping Period	2 Months
Planting Distance (l x w)	
	cm 180 x 180
	inches 72 x 72
Plant Population	1210
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	6,364
Cost of Production \$/Kg	\$22

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	4	2500	10000
Furrowing	tractor	3	2500	7500
Planting	MD	1	1500	1500
Pest Management	MD	7	1500	10500
Weeding	MD	4	1500	6000
Fertilising	MD	2	1500	3000
Harvesting	MD	10	1500	15000

Lunch		29	500	14500
SUBTOTAL				<u>\$75,500</u>

Material Inputs				
Planting Material				2000
Fertiliser				12000
Insecticide				5000
Fungicide				3000
Herbicide				2800

SUBTOTAL				<u>\$24,800</u>
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Other Costs				
Contingencies (10 percent of labour and material)				10030
**Tools discounted for 5 years				7000
Land Charges per crop cycle				7500
Supervision (15 percent of labour and material)				15045
SUBTOTAL				<u>\$39,575</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$139,875</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Braes River
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	1 Month
Planting Distance (l x w)	
	cm 60 x 60
	inches 24 x 24
Plant Population	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	10,000
Cost of Production \$/Kg	\$39

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	6	1500	9000
Prepare Planting Material	MD	3	1500	4500
Dig Holes/Plant	MD	30	1500	45000
Pest Management	MD	10	1500	15000
Weeding	MD	7	1500	10500
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch	83	500	41500
SUBTOTAL			<u>\$166,000</u>
Material Inputs			
Planting Material			87120
Fertiliser			24000
Insecticide			15000
Herbicide			3900
SUBTOTAL			<u>\$130,020</u>
Other Costs			
Contingencies (10 percent of labour and material)			29602
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			44403
SUBTOTAL			<u>\$96,005</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$392,025</u></u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Braes River
Crop	SWEET CASSAVA
Crop Maturity	12 Months
Reaping Period	3 Months
Planting Distance (l x w)	
	cm 90 x 60
	inches 36 x 24
Plant Population	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	9,091
Cost of Production \$/Kg	\$19

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	4	2500	10000
Furrowing	tractor	3	2500	7500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	4	1500	6000
Weeding	MD	7	1500	10500
Fertilising	MD	2	1500	3000
Harvesting	MD	12	1500	18000

Lunch	33	500	16500
SUBTOTAL			<u><u>\$83,500</u></u>

Material Inputs			
Planting Material			7260
Fertiliser			23200
Herbicide			8000

SUBTOTAL			<u><u>\$38,460</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			12196
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			18294
SUBTOTAL			<u><u>\$52,490</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$174,450</u></u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	New Market
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
	cm 60 x 30
	inches 24 x 12
Plant Population	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	11,818
Cost of Production \$/Kg	\$25

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Dig Holes	MD	10	1500	15000
Nursery Operations	MD	1	1500	1500
Transplanting	MD	6	1500	9000
Pest Management	MD	20	1500	30000
Weeding	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	12	1500	18000

Lunch		69	500	34500
SUBTOTAL				<u>\$138,000</u>

Material Inputs				
Planting Material				21000
Fertiliser				23200
Insecticide				40000
Fungicide				3200
Herbicide				2500

SUBTOTAL				<u>\$89,900</u>
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Other Costs				
Contingencies (10 percent of labour and material)				22790
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				34185
SUBTOTAL				<u>\$68,975</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$296,875</u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	New Market
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcast
Plant Population	~116000
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	7,273
Cost of Production \$/Kg	\$20

Labour Operations	Unit	No. of Unit:	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	MD	10	1500	15000
Planting	MD	1	1500	1500
Pest Management	MD	2	1500	3000
Weeding	MD	4	1500	6000
Fertilising	MD	2	1500	3000
Harvesting	MD	12	1500	18000
Lunch		38	500	19000
SUBTOTAL				<u><u>\$76,000</u></u>
Material Inputs				
Planting Material				14500
Fertiliser				11600
Insecticide				1500
Fungicide				1500
Herbicide				3200
SUBTOTAL				<u><u>\$32,300</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				10830
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				16245
SUBTOTAL				<u><u>\$39,075</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$147,375</u></u>

Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth		
Extension Area	Ginger Hill		
Crop	Pineapple MD2		
Crop Maturity	12 Months		
Reaping Period	Indefinite		
Planting Distance (l x w)			
	cm	150 x 30	
	inches	60 x 12	(double row)
Plant Population	17424		
Terrain	Hillside Farm		
Land Preparation	Manual		
Irrigated/Rain fed	Rainfed		
Area	0.4 hectare		
Man-day Charge (excluding lunch)	\$1,500		
Projected Marketable Yield (Kg)	31,364		
Cost of Production \$/Kg	\$50		

Labour Operations	Unit	Cost/Unit	Year 1	Year 2	Year 3
Land Cleaning	MD	1500	9000		
Furrowing	MD	1500	21000		
Prepare Planting Material	MD	1500	4500		
Planting	MD	1500	24000		
Weeding	MD	1500	24000	24000	24000
Fertilising	MD	1500	4500	4500	4500
Harvesting	MD	1500	0	22500	37500

Lunch	10500	6900	9900
SUBTOTAL	<u>\$ 97,500.00</u>	<u>\$ 57,900.00</u>	<u>\$ 75,900.00</u>

Material Inputs			
Planting Material	871200		
Fertiliser	35000	17500	8750
Insecticide	6000		
Fungicide	4500		
Herbicide	7000	7000	7000

SUBTOTAL	<u>\$ 923,700.00</u>	<u>\$ 24,500.00</u>	<u>\$ 15,750.00</u>
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Other Costs			
Contingencies (10 percent of labour and material)	102120	8240	9165
**Tools discounted for 5 years	7000	7000	7000
Land Charges per crop cycle	15000	15000	15000
Supervision (15 percent of labour and material)	153180	12360	13747.5
SUBTOTAL	<u>\$ 277,300.00</u>	<u>\$ 42,600.00</u>	<u>\$ 44,912.50</u>
TOTAL	<u>\$ 1,298,500.00</u>	<u>\$ 125,000.00</u>	<u>\$ 136,562.50</u>

Initial land clearing cost are not included given the wide variations present

St. JAMES

Parish	St. James
Extension Area	Latium
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	1.5 Months
Planting Distance (l x w)	
cm	150 x 180
inches	60 x 72
Plant Population	1452
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	11,364
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	2000	12000
Make Mounds	MD	16	2000	32000
Prepare Planting Material	MD	3	2000	6000
Planting	MD	4	2000	8000
Stake and Tie	MD	10	2000	20000
Weeding	MD	12	2000	24000
Fertilising	MD	2	2000	4000
Harvesting	MD	20	2000	40000

Lunch	73	450	32850
SUBTOTAL			<u>\$178,850</u>

Material Inputs			
Planting Material			135000
Fertiliser			26000
Herbicide			3900
*Stakes (Dep. 3 yrs.)			21600

SUBTOTAL			<u>\$186,500</u>
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Other Costs			
Contingencies (10 percent of labour and material)			36535
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			54803
SUBTOTAL			<u>\$103,338</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$468,688</u>

Initial land clearing cost are not included given the wide variations present

St. JAMES

Parish	St. James
Extension Area	Maroon Town
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	60 x 60
inches	24 x 24
Planting Population	10890
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	10,000
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Prepare Planting Material	MD	3	1500	4500
Dig Holes/Plant	MD	35	1500	52500
Lining Irrigation Hose	MD	3	1500	4500
Pest Management	MD	12	1500	18000
Weeding	MD	4	1500	6000
Fertilising	MD	2	1500	3000
Harvesting	MD	24	1500	36000

Lunch	93	500	46500
SUBTOTAL			<u><u>\$186,000</u></u>

Material Inputs			
Planting Material			76000
Fertiliser			18700
Insecticide			15000
Herbicide			5000
Water			15000

SUBTOTAL			<u><u>\$129,700</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			31570
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			47355
SUBTOTAL			<u><u>\$90,925</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$406,625</u></u>

Initial land clearing cost are not included given the wide variations present

St. MARY

Parish	St. Mary
Extension Area	Gayle
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	30 x 90
inches	12 x 36
Plant Population	14520
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	10,000
Cost of Production (\$/Kg)	\$45

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	6	2500	15000
Furrowing	tractor	4	2500	10000
Moulding	MD	12	1500	18000
Planting	MD	8	1500	12000
Pest Management	MD	2	1500	3000
Fertilising	MD	3	1500	4500
Harvesting	MD	35	1500	52500

Lunch	65	500	32500
SUBTOTAL			<u>\$155,000</u>

Material Inputs			
Planting Material			91000
Fertiliser			53000
Insecticide			9300
Fungicide			25000
Herbicide			2800

SUBTOTAL			<u>\$181,100</u>
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Other Costs			
Contingencies (10 percent of labour and material)			33610
**Tools discounted for 5 years			27000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			\$50,415.0
SUBTOTAL			<u>\$118,525</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$454,625</u>

Initial land clearing cost are not included given the wide variations present

St. MARY

Parish	St. Mary
Extension Area	Gayle
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	30 x 90
inches	12 x 36
Plant Population	14520
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	6,818
Cost of Production \$/Kg	\$46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	2000	10000
Ploughing	tractor	4	2500	10000
Furrowing	tractor	3	2500	7500
Prepare Planting Material	MD	5	2000	10000
Planting	MD	10	2000	20000
Pest Management	MD	2	2000	4000
Weeding	MD	6	2000	12000
Fertilising	MD	2	2000	4000
Harvesting	MD	40	2000	80000

Lunch	70	300	21000
SUBTOTAL			<u>\$178,500</u>

Material Inputs			
Planting Material			16000
Fertiliser			22000
Insecticide			12000
Fungicide			4900
Herbicide			5100

SUBTOTAL			<u>\$60,000</u>
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Other Costs			
Contingencies (10 percent of labour and material)			23850
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			35775
SUBTOTAL			<u>\$74,125</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$312,625</u>

Initial land clearing cost are not included given the wide variations present

St. MARY

Parish	St. Mary
Extension Area	Carron hall
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	30 x 90
inches	12 x 36
Plant Population	14520
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	10,000
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	10	1500	15000
Furrowing	MD	10	1500	15000
Moulding	MD	15	1500	22500
Maintain Trench	MD	2	1500	3000
Planting	MD	10	1500	15000
Pest Management	MD	10	1500	15000
Fertilising	MD	3	1500	4500
Harvesting	MD	25	1500	37500

Lunch	90	300	27000
SUBTOTAL			<u>\$162,000</u>

Material Inputs			
Planting Material			91000
Fertiliser			25500
Insecticide			11500
Fungicide			25000
Herbicide			4200

SUBTOTAL			<u>\$157,200</u>
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Other Costs			
Contingencies (10 percent of labour and material)			31920
**Tools discounted for 5 years			7000
Land Charges per crop cycle			6000
Supervision (15 percent of labour and material)			47880
SUBTOTAL			<u>\$92,800</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$412,000</u>

Initial land clearing cost are not included given the wide variations present

St. MARY

Parish	St. Mary
Extension Area	Carron hall
Crop	SWEET POTATO
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance (l x w)	
cm	90 x 90
inches	36 x 36
Plant Population	4840
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	4,091
Cost of Production \$/Kg	\$54

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	10	1500	15000
Maintain Trench	MD	5	1500	7500
Make Mounds	MD	10	1500	15000
Prepare Planting Material	MD	3	1500	4500
Planting	MD	8	1500	12000
Pest Management	MD	6	1500	9000
Weeding	MD	3	1500	4500
Fertilising	MD	2	1500	3000
Harvesting	MD	12	1500	18000

Lunch	64	300	19200
SUBTOTAL			<u>\$115,200</u>

Material Inputs			
Planting Material			9000
Fertiliser			21000
Insecticide			12000
Fungicide			6300
Herbicide			2400

SUBTOTAL			<u>\$50,700</u>
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Other Costs			
Contingencies (10 percent of labour and material)			16590
**Tools discounted for 5 years			7000
Land Charges per crop cycle			6000
Supervision (15 percent of labour and material)			24885
SUBTOTAL			<u>\$54,475</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$220,375</u>

Initial land clearing cost are not included given the wide variations present

St. MARY

Parish	St. Mary
Extension Area	Carron hall
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	4 Months
Reaping Period	2 Months
Planting Distance (l x w)	
cm	180 x 180
inches	72 x 72
Plant Population	1210
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	5,455
Cost of Production \$/Kg	\$26

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	10	1500	15000
Dig Holes	MD	3	1500	4500
Maintain Trench	MD	2	1500	3000
Planting	MD	3	1500	4500
Weeding	MD	5	1500	7500
Fertilising	MD	1	1500	1500
Harvesting	MD	10	1500	15000

Lunch	39	300	11700
SUBTOTAL			<u><u>\$70,200</u></u>

Material Inputs			
Planting Material			2000
Fertiliser			14000
Insecticide			5000
Fungicide			9000
Herbicide			2400

SUBTOTAL			<u><u>\$32,400</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			10260
**Tools discounted for 5 years			7000
Land Charges per crop cycle			6000
Supervision (15 percent of labour and material)			15390
SUBTOTAL			<u><u>\$38,650</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$141,250</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Mary
Extension Area	Carron hall

St. MARY

Crop	TOMATO (SLICING)	
Crop Maturity	3 Months	
Reaping Period	1.5 Months	
Planting Distance (l x w)		
	cm	60 x 90
	inches	24 x 36
Plant Population	7260	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$1,500	
Projected Marketable Yield (Kg)	13,636	
Cost of Production \$/Kg	\$27	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	10	1500	15000
Maintain Trench	MD	5	1500	7500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	6	1500	9000
Stake and Tie	MD	8	1500	12000
Pest Management	MD	3	1500	4500
Weeding	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Harvesting	MD	36	1500	54000

Lunch	80	300	24000
SUBTOTAL			<u>\$144,000</u>

Material Inputs			
Planting Material			61600
Fertiliser			21000
Insecticide			25800
Fungicide			13000
Herbicide			4200
Stakes			15000

SUBTOTAL			<u>\$140,600</u>
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Other Costs			
Contingencies (10 percent of labour and material)			28460
**Tools discounted for 5 years			7000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			42690
SUBTOTAL			<u>\$82,150</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$366,750</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Mary
Extension Area	Highgate
Crop	TOMATO (SLICING)

St. MARY

Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance (l x w)	
cm	60 x 90
inches	24 x 36
Plant Population	7260
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	13,636
Cost of Production \$/Kg	\$33

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes	MD	8	1500	12000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	3	1500	4500
Stake and Tie	MD	12	1500	18000
Pest Management	MD	7	1500	10500
Weeding	MD	8	1500	12000
Fertilising	MD	2	1500	3000
Harvesting	MD	36	1300	46800

Lunch	86	300	25800
SUBTOTAL			<u><u>\$147,600</u></u>

Material Inputs			
Planting Material (seedlings)			108900
Fertiliser			32700
Insecticide			24000
Fungicide			19400
Herbicide			2900
Stakes			12000

SUBTOTAL			<u><u>\$199,900</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			34750
**Tools discounted for 5 years			7000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			52125
SUBTOTAL			<u><u>\$97,875</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$445,375</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Mary
Extension Area	Highgate
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	4 Months

St. MARY

Reaping Period	1 Month
Planting Distance (l x w)	
cm	240 x240
inches	96 x 96
Plant Population	681
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,300
Projected Marketable Yield (Kg)	4,545
Cost of Production \$/Kg	\$32

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Moulding	MD	5	1500	7500
Dig Holes/Plant	MD	5	1500	7500
Maintain Trench	MD	2	1500	3000
Pest Management	MD	8	1500	12000
Weeding	MD	9	1500	13500
Fertilising	MD	2	1500	3000
Harvesting	MD	7	1500	10500

Lunch	41	300	12300
SUBTOTAL			<u><u>\$81,300</u></u>

Material Inputs			
Planting Material			2000
Fertiliser			10600
Insecticide			8300
Fungicide			2500
Herbicide			3000

SUBTOTAL			<u><u>\$26,400</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			10770
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			16155
SUBTOTAL			<u><u>\$38,925</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$146,625</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Mary
Extension Area	Annotto Bay
Crop	SWEET CASSAVA
Crop Maturity	9 Months
Reaping Period	1.5 Months

St. MARY

Planting Distance (l x w)	
cm	60 x 90
inches	24 x 36
Plant Population	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	8,636
Cost of Production \$/Kg	\$24

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	tractor	6	2500	15000
Harrowing	tractor	3	2500	7500
Furrowing	tractor	3	2500	7500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	4	1500	6000
Fertilising	MD	1	1500	1500
Harvesting	MD	25	1500	37500

Lunch	40	500	20000
SUBTOTAL			<u>\$110,000</u>

Material Inputs			
Planting Material			25000
Fertiliser			11000
Herbicide			5000

SUBTOTAL			<u>\$41,000</u>
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Other Costs			
Contingencies (10 percent of labour and material)			15100
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			22650
SUBTOTAL			<u>\$54,750</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$205,750</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Mary
Extension Area	Annotto Bay
Crop	SWEET POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance (l x w)	

St. MARY

	cm	30 x 60
	inches	12 x 36
Plant Population		14520
Terrain		Relatively Flat Land Farm
Land Preparation		Mechanical
Irrigated/Rain fed		Rainfed
Area		0.4 hectare
Man-day Charge (excluding lunch)		\$1,500
Projected Marketable Yield (Kg)		6,364
Cost of Production \$/Kg		\$29

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	tractor	6	2500	15000
Harrowing	tractor	3	2500	7500
Furrowing	tractor	3	2500	7500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	4	1500	6000
Pest Management	MD	2	1500	3000
Weeding	MD	3	1500	4500
Fertilising	MD	1	1500	1500
Harvesting	MD	15	1500	22500

Lunch		35	500	17500
SUBTOTAL				<u>\$100,000</u>

Material Inputs				
Planting Material				12000
Fertiliser				16000
Insecticide				6000
Herbicide				2800

SUBTOTAL				<u>\$36,800</u>
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Other Costs				
Contingencies (10 percent of labour and material)				13680
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				20520
SUBTOTAL				<u>\$46,200</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$183,000</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Mary
Extension Area	Richmond
Crop	PUMPKIN (NATIVE)
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance (l x w)	
cm	210 x 240

St. MARY

	inches	84 x 96
Plant Population		778
Terrain		Hillside Farm
Land Preparation		Manual
Irrigated/Rain fed		Rainfed
Area		0.4 hectare
Man-day Charge (excluding lunch)		\$1,500
Projected Marketable Yield (Kg)		5,455
Cost of Production \$/Kg		\$32

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	7	2000	14000
Dig Holes/Plant	MD	2	1500	3000
Maintain Trench	MD	4	1500	6000
Pest Management	MD	5	1500	7500
Weeding	MD	12	1500	18000
Fertilising	MD	1	1500	1500
Harvesting	MD	9	1500	13500

Lunch	40	500	20000
SUBTOTAL			<u>\$83,500</u>

Material Inputs

Planting Material	2000
Fertiliser	12000
Insecticide	8300
Fungicide	19400
Herbicide	2800

SUBTOTAL	<u>\$44,500</u>
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Other Costs

Contingencies (10 percent of labour and material)	12800
**Tools discounted for 5 years	7000
Land Charges per crop cycle	5000
Supervision (15 percent of labour and material)	19200
SUBTOTAL	<u>\$44,000</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE	<u>\$172,000</u>

Initial land clearing cost are not included given the wide variations present

Parish	St. Mary
Extension Area	Richmond
Crop	SCOTCH BONNET PEPPER
Crop Maturity	3 Months
Reaping Period	6 Months
Planting Distance (l x w)	
cm	90 x 120
inches	36 x 48

St. MARY

Plant Population	3630
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	8,182
Cost of Production \$/Kg	\$53

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	7	2000	14000
Dig Holes	MD	10	1500	15000
Maintain Trench	MD	3	1500	4500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	10	1500	15000
Pest Management	MD	24	1500	36000
Weeding	MD	4	1500	6000
Harvesting	MD	40	1500	60000

Lunch	102	500	51000
SUBTOTAL			<u>\$207,500</u>

Material Inputs			
Planting Material			44000
Fertiliser			33000
Insecticide			22800
Fungicide			18000
Herbicide			10300

SUBTOTAL			<u>\$128,100</u>
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Other Costs			
Contingencies (10 percent of labour and material)			33560
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			50340
SUBTOTAL			<u>\$100,900</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$436,500</u>

Initial land clearing cost are not included given the wide variations present

Parish	Trelawny	
Extension Area	Albert Town	
Crop	TOMATO (SLICING)	
Crop Maturity	3 Months	
Reaping Period	1.5 Months	
Planting Distance (l x w)		
	cm	60 x 75
	inches	24 x 30
Plant Population	8712	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$1,500	
Projected Marketable Yield (Kg)	13,636	
Cost of Production \$/Kg	\$35	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Dig Holes	MD	12	1500	18000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	6	1500	9000
Stake and Tie	MD	15	1500	22500
Pest Management	MD	26	1500	39000
Weeding	MD	3	1500	4500
Fertilising	MD	1	1500	1500
Harvesting	MD	28	1500	42000
Lunch		106	500	53000
SUBTOTAL				<u><u>\$212,000</u></u>
Material Inputs				
Planting Material				80000
Stakes				10000
Fertiliser				21000
Insecticide				26750
Fungicide				14000
Herbicide				2600
SUBTOTAL				<u><u>\$154,350</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				36635
**Tools discounted for 5 years				7000
Land Charges per crop cycle				7000
Supervision (15 percent of labour and material)				\$54,952.5
SUBTOTAL				<u><u>\$105,588</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$471,938</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	Trelawny	
Extension Area	Jackson Town	
Crop	PUMPKIN (NATIVE)	
Crop Maturity	4 Months	
Reaping Period	2 Months	
Planting Distance (l x w)	cm	300 x 300
	inches	120 x 120
Plant Population	436	
Terrain	Relatively Flat Land Farm	
Land Preparation	Mechanical	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$1,500	
Projected Marketable Yield (Kg)	5,455	
Cost of Production \$/Kg	\$27	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	6	2500	15000
Dig Holes	MD	2	1500	3000
Planting	MD	2	1500	3000
Pest Management	MD	5	1500	7500
Weeding	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Harvesting	MD	7	1500	10500
Lunch		34	500	17000
SUBTOTAL				<u><u>\$74,000</u></u>
Material Inputs				
Planting Material				2500
Fertiliser				9000
Insecticide				15000
Fungicide				3900
Herbicide				5600
SUBTOTAL				<u><u>\$36,000</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				11000
**Tools discounted for 5 years				7000
Land Charges per crop cycle				3000
Supervision (15 percent of labour and material)				\$16,500.0
SUBTOTAL				<u><u>\$37,500</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$147,500</u></u>

Initial land clearing cost are not included given the wide variations present

Parish	Trelawny
Extension Area	Warsop
Crop	HOT PEPPER (WI RED)
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance (l x w)	
	cm 90 x 120
	inches 36 x 48
Plant Population	3630
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	8,182
Cost of Production \$/Kg	\$75

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Dig Holes	MD	12	1500	18000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	6	1500	9000
Pest Management	MD	7	1500	10500
Weeding	MD	15	1500	22500
Fertilising	MD	4	1500	6000
Harvesting	MD	121	1500	181500
Lunch		177	500	88500
SUBTOTAL				<u><u>\$354,000</u></u>
Material Inputs				
Planting Material				2500
Potting Mixture				750
Seed Trays				5400
Fertiliser				70000
Insecticide				20000
Fungicide				12800
Herbicide				5000
SUBTOTAL				<u><u>\$116,450</u></u>
Other Costs				
Contingencies (10 percent of labour and material)				47045
**Tools discounted for 5 years				7000
Land Charges per crop cycle				15000
Supervision (15 percent of labour and material)				<u>\$70,567.5</u>
SUBTOTAL				<u><u>\$139,613</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$610,063</u></u>

Initial land clearing cost are not included given the wide variations present

WESTMORELAND

Parish	Westmoreland	
Extension Area	Darliston	
Crop	CABBAGE	
Crop Maturity	3 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	45 x 45
	inches	18 x 18
Plant Population	19360	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	9,545	
Cost of Production \$/Kg	\$41	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	2000	14000
Dig Holes	MD	10	2000	20000
Furrowing	MD	8	2000	16000
Nursery Operations	MD	4	2000	8000
Transplanting	MD	10	2000	20000
Pest Management	MD	20	2000	40000
Weeding	MD	18	2000	36000
Fertilising	MD	2	2000	4000
Harvesting	MD	7	2000	14000

Lunch	86	500	43000
SUBTOTAL			<u><u>\$215,000</u></u>

Material Inputs			
Planting Material			28000
Fertiliser			30000
Insecticide			21000
Fungicide			7000
Herbicide			4500

SUBTOTAL			<u><u>\$90,500</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			30550
**Tools discounted for 5 years			7000
Land Charges per crop cycle			1667
Supervision (15 percent of labour and material)			45825
SUBTOTAL			<u><u>\$85,042</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$390,542</u></u>

Initial land clearing cost are not included given the wide variations present

WESTMORELAND

Parish	Westmoreland	
Extension Area	Little London	
Crop	DASHEEN	
Crop Maturity	9 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	60 x 30
	inches	24 x 12
Plant Population	21780	
Terrain	Relatively Flat Land Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	10,000	
Cost of Production \$/Kg	\$31	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	2000	12000
Dig Holes	MD	15	2000	30000
Maintain Trench	MD	10	2000	20000
Prepare Planting Material	MD	2	2000	4000
Planting	MD	7	2000	14000
Pest Management	MD	3	2000	6000
Weeding	MD	3	2000	6000
Fertilising	MD	2	2000	4000
Harvesting	MD	15	2000	30000

Lunch	63	500	31500
SUBTOTAL			<u><u>\$157,500</u></u>

Material Inputs			
Planting Material			54450
Fertiliser			21000
Insecticide			6000
Herbicide			4000

SUBTOTAL			<u><u>\$85,450</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			24295
**Tools discounted for 5 years			7000
Land Charges per crop cycle			1667
Supervision (15 percent of labour and material)			36443
SUBTOTAL			<u><u>\$69,404</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$312,354</u></u>

Initial land clearing cost are not included given the wide variations present

WESTMORELAND

Parish	Westmoreland
Extension Area	New Works
Crop	CARROT
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance (l x w)	Broadcast
Plant Population	~ 116000
Terrain	Hillside Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$2,000
Projected Marketable Yield (Kg)	6,364
Cost of Production \$/Kg	\$40

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	2000	20000
Ploughing	MD	20	2000	40000
Maintain Trench	MD	4	2000	8000
Planting	MD	2	2000	4000
Pest Management	MD	2	2000	4000
Weeding	MD	3	2000	6000
Fertilising	MD	2	2000	4000
Harvesting	MD	12	2000	24000

Lunch	55	500	27500
SUBTOTAL			<u>\$137,500</u>

Material Inputs			
Planting Material			24000
Fertiliser			11000
Herbicide			10400

SUBTOTAL			<u>\$45,400</u>
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Other Costs			
Contingencies (10 percent of labour and material)			18290
**Tools discounted for 5 years			17500
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			27435
SUBTOTAL			<u>\$ 70,725</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$253,625</u>

Initial land clearing cost are not included given the wide variations present

WESTMORELAND

Parish	Westmoreland	
Extension Area	New Works	
Crop	SWEET POTATO	
Crop Maturity	4 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	60 x 60
	inches	24 x 24
Plant Population	10890	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	7,273	
Cost of Production \$/Kg	\$35	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	2000	20000
Dig Holes	CW	14	2500	35000
Prepare Planting Material	MD	3	2000	6000
Planting	MD	6	2000	12000
Pest Management	MD	3	2000	6000
Weeding	MD	3	2000	6000
Fertilising	MD	2	2000	4000
Harvesting	MD	10	2000	20000

Lunch	37	500	18500
SUBTOTAL			<u><u>\$127,500</u></u>

Material Inputs			
Planting Material			25000
Fertiliser			22800
Baits			11750
Herbicide			2500

SUBTOTAL			<u><u>\$62,050</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			18955
**Tools discounted for 5 years			17500
Land Charges per crop cycle			1667
Supervision (15 percent of labour and material)			28433
SUBTOTAL			<u><u>\$66,554</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$256,104</u></u>

Initial land clearing cost are not included given the wide variations present

WESTMORELAND

Parish	Westmoreland	
Extension Area	New Works	
Crop	TOMATO (PLUMMY)	
Crop Maturity	3 Months	
Reaping Period	1 Month	
Planting Distance (l x w)		
	cm	90 x 90
	inches	36 x 36
Plant Population	4840	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	5,455	
Cost of Production \$/Kg	\$68	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Dig Holes	MD	8	2000	16000
Nursery Operations	MD	4	2000	8000
Transplanting	MD	8	2000	16000
Stake and Tie	MD	10	2000	20000
Pest Management	MD	15	2000	30000
Weeding	MD	3	2000	6000
Fertilising	MD	2	2000	4000
Harvesting	MD	12	2000	24000

Lunch	72	500	36000
SUBTOTAL			<u><u>\$175,000</u></u>

Material Inputs			
Planting Material			20000
Fertiliser			26000
Insecticide			9500
Fungicide			20625
Herbicide			5600
Stakes			22000

SUBTOTAL			<u><u>\$103,725</u></u>
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Other Costs			
Contingencies (10 percent of labour and material)			27873
**Tools discounted for 5 years			17500
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			41809
SUBTOTAL			<u><u>\$92,181</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$370,906</u></u>

Initial land clearing cost are not included given the wide variations present

WESTMORELAND

Parish	Westmoreland	
Extension Area	Leamington	
Crop	Pineapple (Bull Head)	
Crop Maturity	12 Months	
Reaping Period	Indefinite	
Planting Distance (l x w)		
	cm	150 x 60
	inches	60 x 24
Plant Population	4356	
Terrain	Hillside Farm	
Land Preparation	Manual	
Irrigated/Rain fed	Rainfed	
Area	0.4 hectare	
Man-day Charge (excluding lunch)	\$2,000	
Projected Marketable Yield (Kg)	11,364	
Cost of Production \$/Kg	\$52	

Labour Operations	Unit	Cost/Unit	Year 1	Year 2	Year 3
Land Cleaning	MD	2000	20000		
Ploughing	MD	2000	22000		
Prepare Planting Material	MD	2000	6000		
Planting	MD	2000	12000		
Weeding	MD	2000	6000	6000	6000
Fertilising	MD	2000	6000	6000	6000
Harvesting	MD	2000	0	16000	16000

Lunch	10800	4200	4200
SUBTOTAL	<u>\$ 82,800.00</u>	<u>\$ 32,200.00</u>	<u>\$ 32,200.00</u>

Material Inputs			
Planting Material	217800		
Fertiliser	18500	16500	5500
Insecticide	4000		
Fungicide	2000		
Herbicide	3600	3600	3600

SUBTOTAL	<u>\$ 245,900.00</u>	<u>\$ 20,100.00</u>	<u>\$ 9,100.00</u>
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Other Costs			
Contingencies (10 percent of labour and material)	32870	5230	4130
**Tools discounted for 5 years	7000	7000	7000
Land Charges per crop cycle	15000	15000	15000
Supervision (15 percent of labour and material)	49305	7845	6195
SUBTOTAL	<u>\$ 104,175.00</u>	<u>\$ 35,075.00</u>	<u>\$ 32,325.00</u>
TOTAL	<u>\$ 432,875.00</u>	<u>\$ 87,375.00</u>	<u>\$ 73,625.00</u>

Initial land clearing cost are not included given the wide variations present