

Using the Cost of Production Database 2015

To search for specific crops in the database use the FIND & Select tool in Excel

* Denotes that the item has been discounted/depreciated

CW = Contracted Work or Task Work

MD = Man Days

The cover page contains hyperlinks that allow for easy selection of parishes

Each page is configured with a homepage, back and forward hyperlink



Cost of Production Estimates 2015

PARISHES

[Clarendon](#)

[Hanover](#)

[Portland](#)

[St. Elizabeth](#)

[St. Andrew](#)

[St. Ann](#)

[St. Catherine](#)

[St. James](#)

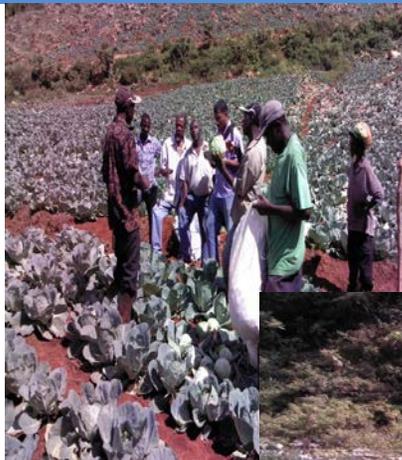
[St. Mary](#)

[St. Thomas](#)

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[Trelawny](#)

[Westmoreland](#)



PLEASE NOTE:

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

The line item "Transportation" in the COP estimates accounts only for the delivery of goods and services to the farm NOT the delivery of produce to the market.

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

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

Summary of Results

Parish	Extension Area	Crop	COP \$/Kg	COP \$/lb
Clarendon	Chapleton	COW PEA	259	118
Clarendon	Chapleton	GUNGO PEA	215	98
Clarendon	May Pen	SWEET POTATO	25	11
Clarendon	May Pen	PUMPKIN (BODLES GLOBE)	29	13
Clarendon	May Pen	HOT PEPPER (WI RED)	97	44
Clarendon	Kellits	YELLOW YAM	78	35
Clarendon	Kellits	CABBAGE	35	16
Clarendon	Kellits	LETTUCE	42	19
Clarendon	Spaldings	GINGER	47	21
Clarendon	Spaldings	IRISH POTATO	54	25
Clarendon	Spaldings	YELLOW YAM	55	25
Hanover	Green Island	CABBAGE	35	16
Hanover	Green Island	HORSE PLANTAIN	27	12
Hanover	Green Island	SCOTCH BONNET PEPPER	82	37
Hanover	Cascade	YELLOW YAM	49	22
Hanover	Cascade	HORSE PLANTAIN	27	12
Hanover	Cascade	GINGER	86	39
Hanover	Miles Town	SCOTCH BONNET PEPPER	95	43
Hanover	Miles Town	SWEET PEPPER	73	33
Hanover	Miles Town	RED PEA	436	198
Hanover	Lucea	YELLOW YAM	77	35
Hanover	Lucea	SCOTCH BONNET PEPPER	86	39
Hanover	Lucea	NEGRO YAM	84	38
Hanover	Lucea	DASHEEN	43	19
Hanover	Lucea	HORSE PLANTAIN	60	27
Portland	Manchioneal	YELLOW YAM	68	31
Portland	Manchioneal	HORSE PLANTAIN	23	11
Portland	Windsor	PINEAPPLE (SUGAR LOAF)	49	22
Portland	Windsor	GINGER	82	37
Portland	Windsor	DASHEEN	34	15
Portland	Windsor	HORSE PLANTAIN	23	10
Portland	Kildare	RED PEA	269	122
Portland	Kildare	CARROT	57	26
Portland	Kildare	GUNGO PEA	307	139
Portland	Port Antonio	DASHEEN	36	16
Portland	Port Antonio	PUMPKIN (BODLES GLOBE)	26	12
Portland	Port Antonio	CARROT	79	36
Portland	Fruitful Vale	PUMPKIN (BODLES GLOBE)	26	12
Portland	Fruitful Vale	CARROT	79	36
Portland	Fruitful Vale	COCO	48	22
St. Elizabeth	Ginger Hill	PINEAPPLE MD2	58	26
St. Elizabeth	Ginger Hill	PINEAPPLE (COW BOY)	42	19
St. Elizabeth	Braes River	PUMPKIN (BODLES GLOBE)	20	9
St. Elizabeth	Braes River	HOT PEPPER (WI RED)	59	27
St. Elizabeth	Braes River	DASHEEN	30	14
St. Elizabeth	New Market	IRISH POTATO	82	37
St. Elizabeth	New Market	SWEET POTATO	66	30
St. Elizabeth	Ipswich	HOT PEPPER (WI RED)	67	31
St. Elizabeth	Ipswich	DASHEEN	27	12
St. Elizabeth	Ipswich	GINGER	89	41
St. Elizabeth	Black River	SWEET POTATO	41	18
St. Elizabeth	Black River	CABBAGE	26	12
St. Elizabeth	Black River	SWEET CASSAVA	51	23

St. Elizabeth	Pedro Plain	BEETROOT	79	36
St. Elizabeth	Pedro Plain	ESCALLION	179	81
St. Elizabeth	Pedro Plain	IRISH POTATO	82	37
St. Elizabeth	Pedro Plain	CANTALOUPE	52	24
St. Elizabeth	Malvern	CARROT	42	19
St. Elizabeth	Malvern	SWEET POTATO	44	20
St. Elizabeth	Malvern	CABBAGE	39	18
St. Elizabeth	Lacovia	HOT PEPPER (WI RED)	71	32
St. Elizabeth	Lacovia	PAW-PAW	43	20
St. Elizabeth	Lacovia	PEANUT (per bushel)	2409	1095
St. Elizabeth	Lacovia	SWEET POTATO	47	22
St. Elizabeth	Junction	BROCCOLI	32	14
St. Elizabeth	Junction	ESCALLION	82	37
St. Elizabeth	Junction	HOT PEPPER (WI RED)	71	32
St. Elizabeth	Junction	TOMATO (SLICING)	47	21
St. Elizabeth	Junction	CAULIFLOWER	46	21
St. Elizabeth	Junction	THYME	360	163
St. Elizabeth	Balaclava	Plantain	22	10
St. Elizabeth	Balaclava	NEGRO YAM	54	24
St. Elizabeth	Balaclava	COCO	50	23
St. Elizabeth	Balaclava	SWEET YAM	65	29
St. Elizabeth	Southfield	TOMATO (SLICING)	66	30
St. Elizabeth	Southfield	CARROT	49	22
St. Elizabeth	Southfield	TOMATO (PLUMMY)	62	28
St. Andrew	Mavis Bank	SNOW PEAS	128	58
St. Andrew	Mavis Bank	ESCALLION	128	58
St. Andrew	Mavis Bank	BROCCOLI	108	58
St. Andrew	Temple Hall	CARROT	55	25
St. Andrew	Temple Hall	CABBAGE	44	20
St. Andrew	Temple Hall	TOMATO (PLUMMY)	58	26
St. Andrew	Salisbury Plain	YELLOW YAM	72	33
St. Andrew	Salisbury Plain	GINGER	93	42
St. Andrew	Salisbury Plain	SWEET POTATO	77	35
St. Andrew	Gordon Town	ESCALLION	121	55
St. Andrew	Gordon Town	CABBAGE	55	25
St. Andrew	Gordon Town	BROCCOLI	82	37
St. Ann	Cave Valley	IRISH POTATO	85	39
St. Ann	Cave Valley	CARROT	65	30
St. Ann	Cave Valley	YELLOW YAM	38	17
St. Ann	Cave Valley	GINGER	102	46
St. Ann	St. Ann's Bay	IRISH POTATO	79	36
St. Ann	St. Ann's Bay	LETTUCE	59	27
St. Ann	St. Ann's Bay	CARROT	62	28
St. Ann	Moneague	HOT PEPPER (WI RED)	72	33
St. Ann	Moneague	SWEET POTATO	61	28
St. Ann	Moneague	IRISH POTATO	86	39
St. Ann	Brown's Town	Hybrid Corn (\$/ per dozen)	285	130
St. Ann	Brown's Town	SWEET POTATO	36	16
St. Ann	Brown's Town	CABBAGE	29	13
St. Ann	Claremont	PAK CHOI	41	19
St. Ann	Claremont	CABBAGE	41	19
St. Ann	Claremont	LETTUCE	50	23
St. Catherine	Linstead	SWEET CASSAVA	28	13
St. Catherine	Linstead	PINEAPPLE (SUGAR LOAF)	34	15
St. Catherine	Linstead	PUMPKIN (BODLES GLOBE)	35	16
St. Catherine	Watermount	SWEET CASSAVA	42	19
St. Catherine	Watermount	CARROT	61	28
St. Catherine	Watermount	YELLOW YAM	53	24

St. Catherine	Old Harbour	CARROT	29	13
St. Catherine	Old Harbour	PUMPKIN (NATIVE)	43	20
St. Catherine	Old Harbour	OKRA	82	37
St. Catherine	Peartree Grove	GUNGO PEA	272	124
St. Catherine	Peartree Grove	IRISH POTATO	81	37
St. Catherine	Spanish Town	PUMPKIN (NATIVE)	19	9
St. Catherine	Spanish Town	SCOTCH BONNET PEPPER	49	22
St. Catherine	Spanish Town	PAW-PAW	34	15
St. Catherine	Sligoville	CABBAGE	29	13
St. Catherine	Sligoville	TOMATO (PLUMMY)	33	15
St. Catherine	Sligoville	GINGER	66	30
St. Catherine	Kitson Town	CALLALOO	62	28
St. Catherine	Kitson Town	SWEET CASSAVA	41	19
St. Catherine	Kitson Town	OKRA	83	38
St. Catherine	Kitson Town	PUMPKIN (NATIVE)	33	15
St. James	Maroon Town	PINEAPPLE (SUGAR LOAF)	49	22
St. James	Maroon Town	GINGER	58	26
St. James	Maroon Town	CABBAGE	46	21
St. James	Anchovy	CALLALOO	56	26
St. James	Anchovy	LETTUCE	44	20
St. James	Anchovy	TOMATO (PLUMMY)	61	28
St. James	Anchovy	CABBAGE	71	32
St. James	Spring Mount	Banana	33	15
St. James	Spring Mount	Plantain	37	17
St. James	Catadupa	PINEAPPLE (COW BOY)	51	23
St. Mary	Highgate	PINEAPPLE (SUGAR LOAF)	70	32
St. Mary	Highgate	PAW-PAW	47	21
St. Mary	Highgate	IRISH POTATO	60	27
St. Mary	Carron hall	IRISH POTATO	47	21
St. Mary	Carron hall	CABBAGE	26	12
St. Mary	Carron hall	TOMATO (SLICING)	93	42
St. Mary	Gayle	TOMATO (PLUMMY)	65	30
St. Mary	Gayle	IRISH POTATO	54	25
St. Mary	Gayle	PUMPKIN (BODLES GLOBE)	24	11
St. Mary	Port Maria	HORSE PLANTAIN	29	13
St. Mary	Port Maria	IRISH POTATO	66	30
St. Mary	Oracabessa	IRISH POTATO	55	25
St. Mary	Oracabessa	SCOTCH BONNET PEPPER	78	36
St. Mary	Oracabessa	HORSE PLANTAIN	28	13
St. Thomas	Yallahs	CUCUMBER	47	21
St. Thomas	Yallahs	OKRA	50	23
St. Thomas	Yallahs	ONION	63	29
St. Thomas	Cedar valley	CABBAGE	35	16
St. Thomas	Cedar valley	CARROT	59	27
St. Thomas	Cedar valley	GUNGO PEA	251	114
St. Thomas	Seaforth	PUMPKIN (BODLES GLOBE)	27	12
St. Thomas	Seaforth	CALLALOO	27	12
St. Thomas	Bath	PINEAPPLE (SUGAR LOAF)	28	13
St. Thomas	Bath	GINGER	60	27
St. Thomas	Bath	CALLALOO	28	13
St. Thomas	Morant Bay	HORSE PLANTAIN	23	10
St. Thomas	Morant Bay	ESCALLION	80	37
Manchester	Newport	SWEET POTATO	48	22
Manchester	Newport	CARROT	56	25
Manchester	Newport	CABBAGE	30	14
Manchester	Bellefield	YELLOW YAM	57	26
Manchester	Bellefield	TOMATO (SLICING)	158	72
Manchester	Bellefield	CABBAGE	29	13

Manchester	Cross Keys	CARROT	47	21
Manchester	Cross Keys	SWEET POTATO	69	31
Manchester	Christiana	GINGER	75	34
Manchester	Christiana	IRISH POTATO	82	37
Manchester	Christiana	CABBAGE	36	17
Manchester	Mile Gully	CABBAGE	92	42
Trelawny	Falmouth	ONION	60	27
Trelawny	Falmouth	SCOTCH BONNET PEPPER	88	40
Trelawny	Wakefield	HOT PEPPER (WI RED)	95	43
Trelawny	Wakefield	PAW-PAW	67	30
Trelawny	Lowe River	NEGRO YAM	83	38
Trelawny	Lowe River	CABBAGE	32	15
Trelawny	Lowe River	YELLOW YAM	57	26
Trelawny	Lowe River	IRISH POTATO	71	32
Trelawny	Albert Town	YELLOW YAM	48	22
Trelawny	Warsop	YELLOW YAM	46	21
Trelawny	Jackson Town	YELLOW YAM	86	39
Trelawny	Jackson Town	IRISH POTATO	76	34
Trelawny	Jackson Town	Hybrid Corn (\$/ per dozen)	325	148
Westmoreland	Little London	TOMATO (SLICING)	37	17
Westmoreland	Little London	LETTUCE	31	14
Westmoreland	Little London	SWEET PEPPER	64	29
Westmoreland	Darliston	CABBAGE	53	24
Westmoreland	Darliston	SWEET PEPPER	89	40
Westmoreland	Darliston	IRISH POTATO	46	21
Westmoreland	New Works	CARROT	84	38
Westmoreland	New Works	TOMATO (PLUMMY)	83	38
Westmoreland	New Works	IRISH POTATO	55	25
Westmoreland	New Works	CABBAGE	62	28
Westmoreland	Leamington	PINEAPPLE (RIPLEY)	39	18

CLARENDON

Back	Home	Forward
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Parish	Clarendon
Extension Area	Chapleton
Crop	COW PEA
Crop Maturity	1.5 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	60cm x 90cm
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Semi-Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	682
Cost of Production \$/Kg	\$259

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	2	2500	5000
Ploughing	CW	8	2500	20000
Harrowing	CW	6	2500	15000
Planting	MD	3	1500	4500
Pest Management	MD	1	1500	1500
Weeding	MD	6	1500	9000
Fertilising	MD	2	1500	3000
Harvesting (excluding shelling)	MD	18	1500	27000

Lunch	30	300	9000
SUBTOTAL			<u>\$94,000</u>

Material Inputs

Planting Material	3000
Insecticide	2600
Fungicide	1300
Herbicide	10000
Fertiliser	18000

SUBTOTAL	<u>\$34,900</u>
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Other Costs

Transportation (10 percent of material)	3490
Contingencies (10 percent of labour and material)	12890
**Tools discounted for 5 years	7000
Land Charges per crop cycle	5000
Supervision	19335
SUBTOTAL	<u>\$47,715</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE	<u>\$176,615</u>

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

CLARENDON

Parish	Clarendon
Extension Area	Chapleton
Crop	GUNGO PEA
Crop Maturity	7.5 Months
Reaping Period	2 Years (not continuous)
Planting Distance in cm (l x w)	120cm x 90cm
Planting Density @ 0.4 hectare	3630
Terrain	Relatively Flat Land Farm
Land Preparation	Semi-Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	682
Cost of Production \$/Kg	\$215

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	8	2500	20000
Ploughing	CW	8	2500	20000
Harrowing	CW	6	2500	15000
Planting	MD	3	1500	4500
Pest Management	MD	2	1500	3000
Weeding	MD	6	1500	9000
Harvesting (excluding shelling)	MD	13	1500	19500

Lunch	24	300	7200
SUBTOTAL			<u>\$98,200</u>

Material Inputs			
Planting Material			2800
Insecticide			1000
Herbicide			1300

SUBTOTAL			<u>\$5,100</u>
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Other Costs			
Transportation (10 percent of material)			510
Contingencies (10 percent of labour and material)			10330
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision			15495
SUBTOTAL			<u>\$43,335</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$146,635</u>

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

CLARENDON

Parish	Clarendon
Extension Area	May Pen
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 90cm
Planting Density @ 0.4 hectare	14520
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)	8,636
Cost of Production \$/Kg	\$25

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	6	2500	15000
Harrowing	tractor	4	2500	10000
Planting	MD	8	1500	12000
Lining Irrigation Hose	MD	2	1500	3000
Pest Management	MD	4	1500	6000
Weeding	MD	8	1500	12000
Fertilising	MD	1	1500	1500
Harvesting	MD	9	1500	13500

Lunch	35	500	17500
SUBTOTAL			<u>\$95,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			6000
Water			4000
Fertiliser			17000
Insecticide			6800
Fungicide			8640
Herbicide			2200

SUBTOTAL			<u>\$44,640</u>
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Other Costs			
Transportation (10 percent of material)			4464
Contingencies (10 percent of labour and material)			13964
**Tools discounted for 5 years			27000
Land Charges per crop cycle			10000
Supervision			20946
SUBTOTAL			<u>\$76,374</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$216,014</u>

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

CLARENDON

Parish	Clarendon
Extension Area	May Pen
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	4 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	240cm x 150cm
Planting Density @ 0.4 hectare	1089
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)	6,591
Cost of Production \$/Kg	\$29

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	6	2500	15000
Harrowing	tractor	4	2500	10000
Planting	MD	1	1500	1500
Lining Irrigation Hose	MD	2	1500	3000
Pest Management	MD	4	1500	6000
Weeding	MD	1	1500	1500
Fertilising	MD	1	1500	1500
Harvesting	MD	8	1500	12000

Lunch	20	500	10000
SUBTOTAL			<u>\$65,000</u>

Material Inputs			
Planting Material			4000
Water			8000
Fertiliser			23000
Insecticide			11000
Fungicide			7500
Herbicide			2200

SUBTOTAL			<u>\$55,700</u>
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Other Costs			
Transportation (10 percent of material)			5570
Contingencies (10 percent of labour and material)			12070
**Tools discounted for 5 years			27000
Land Charges per crop cycle			10000
Supervision			18105
SUBTOTAL			<u>\$72,745</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$193,445</u>

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

CLARENDON

Parish	Clarendon
Extension Area	May Pen
Crop	HOT PEPPER (WI RED)
Crop Maturity	2.5 Months
Reaping Period	8 Months
Planting Distance in cm (l x w)	60cm x 210cm
Planting Density @ 0.4 hectare	4356
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)	6,818
Cost of Production \$/Kg	\$97

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	tractor	7	2500	17500
Harrowing	tractor	4	2500	10000
Planting	MD	3	1500	4500
Lining Irrigation Hose	MD	2	1500	3000
Pest Management	MD	20	1500	30000
Weeding	CW	24	2500	60000
Fertilising	MD	9	1500	13500
Harvesting	MD	88	1500	132000

Lunch	128	500	64000
SUBTOTAL			<u>\$343,500</u>

Material Inputs			
Planting Material			90000
Water			15000
Fertiliser			13200
Insecticide			8900
Fungicide			14000
Herbicide			2200

SUBTOTAL			<u>\$143,300</u>
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Other Costs			
Transportation (10 percent of material)			14330
Contingencies (10 percent of labour and material)			48680
**Tools discounted for 5 years			27000
Land Charges per crop cycle			10000
Supervision			73020
SUBTOTAL			<u>\$173,030</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$659,830</u>

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

CLARENDON

Parish	Clarendon
Extension Area	Kellits
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	210cm x 150cm
Planting Density @ 0.4 hectare	1245
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	\$78

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Make Mounds	CW	36	2500	90000
Maintain Trench	CW	10	1500	15000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	5	1500	7500
Stake and Tie	MD	18	1500	27000
Weeding	CW	11	2500	27500
Fertilising	MD	6	1500	9000
Harvesting	MD	35		

Lunch	55	500	<u>27500</u>
SUBTOTAL			<u><u>\$226,000</u></u>

Material Inputs			
*Planting Material (10 yr depr.)			13500
Fertiliser			50000
Insecticide			7500
Herbicide			0

SUBTOTAL			<u><u>\$71,000</u></u>
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Other Costs			
Transportation (10 percent of material)			7100
Contingencies (10 percent of labour and material)			29700
**Tools discounted for 5 years			35000
Land Charges per crop cycle			10000
Supervision			44550
SUBTOTAL			<u><u>\$126,350</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$423,350</u></u>

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

CLARENDON

Parish	Clarendon
Extension Area	Kellits
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	8 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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
Ploughing	MD	24	1500	36000
Furrowing	MD	12	1500	18000
Maintain Trench	MD	5	1500	7500
Nursery Operations	MD	2	1500	3000
Transplanting	MD	15	1500	22500
Pest Management	MD	15	2500	37500
Fertilising	MD	5	1500	7500
Weeding	MD	30	1500	45000
Harvesting	MD	20	1500	30000

Lunch	82	500	41000
SUBTOTAL			<u><u>\$263,000</u></u>

Material Inputs			
Planting Material			15000
Fertiliser			22000
Insecticide			40000
Fungicide			6500
Herbicide			3000

SUBTOTAL			<u><u>\$86,500</u></u>
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Other Costs			
Transportation (10 percent of material)			8650
Contingencies (10 percent of labour and material)			34950
**Tools discounted for 5 years			17500
Land Charges per crop cycle			10000
Supervision			52425
SUBTOTAL			<u><u>\$123,525</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$473,025</u></u>

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

CLARENDON

Parish	Clarendon
Extension Area	Kellits
Crop	LETTUCE
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	12,273
Cost of Production \$/Kg	\$42

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	9	1500	13500
Ploughing	MD	30	1500	45000
Furrowing	MD	16	1500	24000
Maintain Trench	MD	12	1500	18000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	9	1500	13500
Weeding	MD	20	2500	50000
Fertilising	MD	2	1500	3000
Harvesting	MD	25	1500	37500

Lunch	127	500	63500
SUBTOTAL			<u><u>\$274,000</u></u>

Material Inputs			
Planting Material			14400
Fertiliser			18900
Insecticide			42000
Fungicide			16000
Herbicide			4500
Water			15900

SUBTOTAL			<u><u>\$111,700</u></u>
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Other Costs			
Transportation (10 percent of material)			11170
Contingencies (10 percent of labour and material)			38570
**Tools discounted for 5 years			17500
Land Charges per crop cycle			10000
Supervision			57855
SUBTOTAL			<u><u>\$135,095</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$520,795</u></u>

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

CLARENDON

Parish	Clarendon
Extension Area	Spaldings
Crop	GINGER
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	30cm x 30cm
Planting Density @ 0.4 hectare	43560
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	\$47

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	CW	24	2500	60000
Maintain Trench	MD	2	1500	3000
Prepare Planting Material	MD	6	1500	9000
Planting	MD	14	1500	21000
Weeding	MD	30	1500	45000
Fertilising	MD	3	1500	4500
Harvesting	MD	27	1500	40500

Lunch	90	500	45000
SUBTOTAL			<u>\$240,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			32000
Fertiliser			17200
Fungicide			1600
Herbicide			1100

SUBTOTAL			<u>\$51,900</u>
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Other Costs			
Transportation (10 percent of material)			5190
Contingencies (10 percent of labour and material)			29190
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			43785
SUBTOTAL			<u>\$90,165</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$382,065</u>

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

CLARENDON

Parish	Clarendon
Extension Area	Spaldings
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 75cm
Planting Density @ 0.4 hectare	17424
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)	7,727
Cost of Production \$/Kg	\$54

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	CW	10	2500	25000
Furrowing	CW	4	2500	10000
Furrowing	CW	5	2500	12500
Planting	MD	6	1500	9000
Pest Management	MD	6	1500	9000
Weeding	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch	49	500	24500
SUBTOTAL			<u>\$145,500</u>

Material Inputs			
Planting Material			66000
Fertiliser			64000
Fungicide			27000
Herbicide			9000

SUBTOTAL			<u>\$166,000</u>
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Other Costs			
Transportation (10 percent of material)			16600
Contingencies (10 percent of labour and material)			31150
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			46725
SUBTOTAL			<u>\$108,975</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$420,475</u>

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

CLARENDON

Parish	Clarendon
Extension Area	Spaldings
Crop	YELLOW YAM
Crop Maturity	10 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	150cm x 150cm
Planting Density @ 0.4 hectare	1742
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)	7,727
Cost of Production \$/Kg	\$55

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Make Mounds	CW	21	2500	52500
Maintain Trench	CW	10	1500	15000
Prepare Planting Material	MD	4	1500	6000
Planting	MD	7	1500	10500
Stake and Tie	MD	22	1500	33000
Weeding	MD	6	2500	15000
Fertilising	MD	3	1500	4500
Harvesting	MD	40	1500	60000

Lunch	52	500	26000
SUBTOTAL			<u>\$237,500</u>

Material Inputs			
*Planting Material (10 yr depr.)			13500
Fertiliser			42000
Herbicide			5900

SUBTOTAL			<u>\$61,400</u>
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Other Costs			
Transportation (10 percent of material)			6140
Contingencies (10 percent of labour and material)			29890
**Tools discounted for 5 years			35000
Land Charges per crop cycle			10000
Supervision			44835
SUBTOTAL			<u>\$125,865</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$424,765</u>

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

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Parish	Hanover
Extension Area	Green Island
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 30cm
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	11,364
Cost of Production \$/Kg	\$35

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Ploughing	CW	9	2500	22500
Harrowing	CW	6	2500	15000
Furrowing	CW	5	2500	12500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	25	1500	37500
Pest Management	MD	15	1500	22500
Weeding	MD	15	1500	22500
Fertilising	MD	4	1500	6000
Harvesting	MD	25	1500	37500
Lunch		99	500	49500
SUBTOTAL				<u>\$248,000</u>
Material Inputs				
Planting Material				10000
Fertiliser				22000
Insecticide				18000
Fungicide				2000
Herbicide				4400
Water				2000
SUBTOTAL				<u>\$58,400</u>
Other Costs				
Transportation (10 percent of material)				5840
Contingencies (10 percent of labour and material)				30640
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2000
Supervision (15 percent of labour and material)				45960
SUBTOTAL				<u>\$91,440</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$397,840</u>

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

HANOVER

Parish	Hanover
Extension Area	Green Island
Crop	SCOTCH BONNET PEPPER
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance in cm (l x w)	120cm x 105cm
Planting Density @ 0.4 hectare	2904
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)	7,273
Cost of Production \$/Kg	\$82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Dig Holes	MD	6	1500	9000
Maintain Trench	MD	4	1500	6000
Planting	MD	2	1500	3000
Pest Management	MD	20	1500	30000
Weeding	MD	8	1500	12000
Fertilising	MD	6	1500	9000
Harvesting	MD	106	1500	159000

Lunch	162	500	81000
SUBTOTAL			<u><u>\$324,000</u></u>

Material Inputs			
Planting Material			43560
Fertiliser			54000
Insecticide			15000
Fungicide			10000
Herbicide			4200
Water			8000

SUBTOTAL			<u><u>\$134,760</u></u>
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Other Costs			
Transportation (10 percent of material)			13476
Contingencies (10 percent of labour and material)			45876
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2000
Supervision (15 percent of labour and material)			68814
SUBTOTAL			<u><u>\$137,166</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$595,926</u></u>

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

HANOVER

Parish	Hanover
Extension Area	Green Island
Crop	HORSE PLANTAIN
Crop Maturity	10 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	300cm x 300cm
Planting Density @ 0.4 hectare	436
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)	5,545
Cost of Production \$/Kg	\$27

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	4	1500	6000
Dig Holes	MD	2	1500	3000
Maintain Trench	MD	5	1500	7500
Prepare Planting Material	MD	2	1500	3000
Planting	MD	3	1500	4500
Weeding	MD	6	1500	9000
Fertilising	MD	4	1500	6000
Harvesting	MD	10	1500	15000
Lunch		32	500	16000
SUBTOTAL				<u>\$70,000</u>
Material Inputs				
*Planting Material (5 yr depr.)				8800
Fertiliser				20000
Herbicide				8800
SUBTOTAL				<u>\$37,600</u>
Other Costs				
Transportation (10 percent of material)				3760
Contingencies (10 percent of labour and material)				10760
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2000
Supervision (15 percent of labour and material)				16140
SUBTOTAL				<u>\$39,660</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$147,260</u>

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

HANOVER

Parish	Hanover
Extension Area	Cascade
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	120cm x 120cm
Planting Density @ 0.4 hectare	2723
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)	7,955
Cost of Production \$/Kg	\$49

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	10	2000	20000
Make Mounds	CW	9	1500	13500
Maintain Trench	MD	5	1500	7500
Prepare Planting Material	MD	4	1500	6000
Planting	MD	4	1500	6000
Stake and Tie	MD	15	1500	22500
Pest Management	MD	1	1500	1500
Weeding	MD	14	1500	21000
Fertilising	MD	2	1500	3000
Harvesting	MD	45	1500	67500

Lunch		90	500	45000
SUBTOTAL				<u>\$213,500</u>

Material Inputs				
*Planting Material (Dep 5. yrs)				15000
Fertiliser				40000
*Stakes (Dep 5. yrs)				25000

SUBTOTAL				<u>\$80,000</u>
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Other Costs				
Transportation (10 percent of material)				8000
Contingencies (10 percent of labour and material)				29350
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material)				44025
SUBTOTAL				<u>\$98,375</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$391,875</u>

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

HANOVER

Parish	Hanover
Extension Area	Cascade
Crop	HORSE PLANTAIN
Crop Maturity	9 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	240cm x 240cm
Planting Density @ 0.4 hectare	681
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)	7,045
Cost of Production \$/Kg	\$27

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	5	2500	12500
Dig Holes	MD	7	1500	10500
Maintain Trench	MD	8	1500	12000
Planting	MD	4	1500	6000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Pruning	MD	6	1500	9000
Harvesting	MD	10	1500	15000

Lunch	62	500	31000
SUBTOTAL			<u>\$114,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			8200
Fertiliser			12000
Herbicide			2400

SUBTOTAL			<u>\$22,600</u>
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Other Costs			
Transportation (10 percent of material)			2260
Contingencies (10 percent of labour and material)			13660
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			20490
SUBTOTAL			<u>\$53,410</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$190,010</u>

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

HANOVER

Parish	Hanover
Extension Area	Cascade
Crop	GINGER
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	30cm x 30cm
Planting Density @ 0.4 hectare	43560
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	\$86

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	14	1500	21000
Ploughing	MD	30	2500	75000
Maintain Trench	MD	2	1500	3000
Prepare Planting Material	MD	6	1500	9000
Planting	MD	20	1500	30000
Weeding	MD	60	1500	90000
Harvesting	MD	27	1500	40500

Lunch	129	500	64500
SUBTOTAL			<u>\$333,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			32000

SUBTOTAL			<u>\$32,000</u>
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Other Costs			
Transportation (10 percent of material)			3200
Contingencies (10 percent of labour and material)			36500
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			54750
SUBTOTAL			<u>\$106,450</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$471,450</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	3.5 Months
Reaping Period	12 Months
Planting Distance in cm (l x w)	120cm x 90cm
Planting Density @ 0.4 hectare	3630
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)	6,818
Cost of Production \$/Kg	\$95

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	tractor	4	2500	10000
Ploughing	tractor	6	2500	15000
Furrowing	tractor	4	2500	10000
Maintain Trench	MD	4	1500	6000
Dig Holes	MD	26	1500	39000
Planting	MD	5	1500	7500
Pest Management	MD	40	1500	60000
Weeding	MD	16	1500	24000
Fertilising	MD	6	1500	9000
Harvesting	MD	75	1500	112500

Lunch	172	500	86000
SUBTOTAL			<u>\$379,000</u>

Material Inputs			
Planting Material			40000
Fertiliser			47700
Insecticide			14600
Fungicide			7400
Herbicide			7200

SUBTOTAL			<u>\$116,900</u>
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Other Costs			
Transportation (10 percent of material)			11690
Contingencies (10 percent of labour and material)			49590
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			74385
SUBTOTAL			<u>\$152,665</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$648,565</u>

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

HANOVER

Parish	Hanover
Extension Area	Miles Town
Crop	SWEET PEPPER
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	60cm x 60cm
Planting Density @ 0.4 hectare	10890
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)	4,950
Cost of Production \$/Kg	\$73

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	9	2000	18000
Ploughing	MD	10	2000	20000
Furrowing	MD	6	2000	12000
Maintain Trench	MD	6	2000	12000
Nursery Operations	MD	3	2000	6000
Transplanting	MD	10	2000	20000
Pest Management	MD	13	2000	26000
Fertilising	MD	12	2000	24000
Harvesting	MD	25	2000	50000

Lunch	94	500	47000
SUBTOTAL			<u>\$235,000</u>

Material Inputs			
Planting Material			5800
Fertiliser			12000
Insecticide			4500
Fungicide			12000
Herbicide			6750

SUBTOTAL			<u>\$41,050</u>
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Other Costs			
Transportation (10 percent of material)			4105
Contingencies (10 percent of labour and material)			27605
**Tools discounted for 5 years			7000
Land Charges per crop cycle			6000
Supervision (15 percent of labour and material)			41408
SUBTOTAL			<u>\$86,118</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$362,168</u>

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

HANOVER

Parish	Hanover
Extension Area	Miles Town
Crop	RED PEA
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	364
Cost of Production \$/Kg	\$436

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	6	2500	15000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Maintain Trench	MD	3	1500	4500
Planting	MD	2	1500	3000
Pest Management	MD	3	1500	4500
Weeding	MD	1	1500	1500
Fertilising	MD	1	1500	1500
Harvesting	MD	6	1500	9000

Lunch		32	500	16000
SUBTOTAL				<u><u>\$78,000</u></u>

Material Inputs				
Planting Material				6200
Fertiliser				4500
Insecticide				20800
Fungicide				600
Herbicide				2400
Baits				1000

SUBTOTAL				<u><u>\$35,500</u></u>
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Other Costs				
Transportation (10 percent of material)				3550
Contingencies (10 percent of labour and material)				11350
**Tools discounted for 5 years				7000
Land Charges per crop cycle				6000
Supervision (15 percent of labour and material)				17025
SUBTOTAL				<u><u>\$44,925</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$158,425</u></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 in cm (l x w)	150cm x 210cm
Planting Density @ 0.4 hectare	1245
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)	6,136
Cost of Production \$/Kg	\$77

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	20	1500	30000
Make Mounds	CW	20	2500	50000
Maintain Trench	MD	8	1500	12000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	3	1500	4500
Stake and Tie	MD	15	1500	22500
Weeding	MD	15	1500	22500
Fertilising	MD	3	1500	4500
Harvesting	MD	45	1500	67500

Lunch	111	500	55500
SUBTOTAL			<u><u>\$272,000</u></u>

Material Inputs			
*Planting Material (5 yr depr.)			30000
Fertiliser			30000
Stakes (5 yr depr.)			25000

SUBTOTAL			<u><u>\$85,000</u></u>
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Other Costs			
Transportation (10 percent of material)			8500
Contingencies (10 percent of labour and material)			35700
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			53550
SUBTOTAL			<u><u>\$114,750</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$471,750</u></u>

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

HANOVER

Parish	Hanover
Extension Area	Lucea
Crop	SCOTCH BONNET PEPPER
Crop Maturity	3 Months
Reaping Period	8 Months
Planting Distance in cm (l x w)	90cm x 90cm
Planting Density @ 0.4 hectare	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)	9,091
Cost of Production \$/Kg	\$86

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Dig Holes	MD	20	1500	30000
Harrowing	MD	6	1500	9000
Maintain Trench	MD	5	1500	7500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	5	1500	7500
Pest Management	MD	50	1500	75000
Weeding	MD	25	1500	37500
Fertilising	MD	12	1500	18000
Harvesting	MD	100	1500	150000

Lunch	239	500	119500
SUBTOTAL			<u><u>\$478,000</u></u>

Material Inputs			
Planting Material			5500
Fertiliser			65000
Insecticide			25000
Fungicide			22000
Herbicide			5500

SUBTOTAL			<u><u>\$123,000</u></u>
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Other Costs			
Transportation (10 percent of material)			12300
Contingencies (10 percent of labour and material)			60100
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			90150
SUBTOTAL			<u><u>\$179,550</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$780,550</u></u>

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

HANOVER

Parish	Hanover
Extension Area	Lucea
Crop	NEGRO YAM
Crop Maturity	7 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	150cm x 210cm
Planting Density @ 0.4 hectare	1245
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)	5,682
Cost of Production \$/Kg	\$84

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	20	1500	30000
Make Mounds	CW	20	2500	50000
Maintain Trench	MD	8	1500	12000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	3	1500	4500
Stake and Tie	MD	18	1500	27000
Weeding	MD	15	1500	22500
Fertilising	MD	3	1500	4500
Harvesting	MD	45	1500	67500

Lunch	114	500	57000
SUBTOTAL			<u>\$278,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			30000
Fertiliser			30000
Stakes (5 yr depr.)			25000

SUBTOTAL			<u>\$85,000</u>
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Other Costs			
Transportation (10 percent of material)			8500
Contingencies (10 percent of labour and material)			36300
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			54450
SUBTOTAL			<u>\$116,250</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$479,250</u>

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

HANOVER

Parish	Hanover
Extension Area	Lucea
Crop	DASHEEN
Crop Maturity	6 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 60cm
Planting Density @ 0.4 hectare	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)	6,591
Cost of Production \$/Kg	\$43

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes/Plant	MD	20	1500	30000
Maintain Trench	MD	4	1500	6000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	10	1500	15000
Weeding	MD	7	1500	10500
Pest Management	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Harvesting	MD	21	1500	31500

Lunch	79	500	39500
SUBTOTAL			<u>\$158,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			15000
Fertiliser			30000

SUBTOTAL			<u>\$45,000</u>
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Other Costs			
Transportation (10 percent of material)			4500
Contingencies (10 percent of labour and material)			20300
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			30450
SUBTOTAL			<u>\$77,250</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$280,250</u>

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

HANOVER

Parish	Hanover
Extension Area	Lucea
Crop	HORSE PLANTAIN
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	300cm x 240cm
Planting Density @ 0.4 hectare	545
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	\$60

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	4	2000	8000
Dig Holes	CW	10	2000	20000
Maintain Trench	MD	5	1500	7500
Prepare Planting Material	MD	7	1500	10500
Planting	MD	3	1500	4500
Weeding	MD	6	1500	9000
Fertilising	MD	3	1500	4500
Harvesting	MD	30	1500	45000

Lunch	68	450	30600
SUBTOTAL			<u>\$139,600</u>

Material Inputs			
*Planting Material (5 yr depr.)			4500
Fertiliser			30000
Herbicide			4000

SUBTOTAL			<u>\$38,500</u>
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Other Costs			
Transportation (10 percent of material)			3850
Contingencies (10 percent of labour and material)			17810
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			26715
SUBTOTAL			<u>\$65,375</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$243,475</u>

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

PORTLAND

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Parish	Portland
Extension Area	Manchioneal
Crop	YELLOW YAM
Crop Maturity	8 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	210cm x 150cm
Planting Density @ 0.4 hectare	1245
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)	5,909
Cost of Production \$/Kg	\$68

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Make Mounds	CW	16	2500	40000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	8	1500	12000
Stake and Tie	MD	35	1500	52500
Weeding	MD	12	1500	18000
Fertilising	MD	6	1500	9000
Harvesting	MD	25	1500	37500

Lunch	93	500	46500
SUBTOTAL			<u>\$226,000</u>

Material Inputs			
*Planting Material (10 yr depr.)			26145
Fertiliser			25000
Herbicide			6900
*Stakes (5 yr depr.)			20000

SUBTOTAL			<u>\$78,045</u>
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Other Costs			
Transportation (10 percent of material)			7804.5
Contingencies (10 percent of labour and material)			30404.5
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			45607
SUBTOTAL			<u>\$95,816</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$399,861</u>

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

PORTLAND

Parish	Portland
Extension Area	Manchioneal
Crop	HORSE PLANTAIN
Crop Maturity	8 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	240cm x 240cm
Planting Density @ 0.4 hectare	681
Terrain	Hillside Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	9,281
Cost of Production \$/Kg	\$23

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Maintain Trench	MD	8	1500	12000
Prepare Planting Material	MD	2	1500	3000
Pruning	MD	6	1500	9000
Pest Management	MD	8	1500	12000
Weeding	MD	4	1500	6000
Fertilising	MD	2	1500	3000
Harvesting	MD	10	1500	15000

Lunch	45	500	22500
SUBTOTAL			<u>\$90,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			4200
Fertiliser			18000
Insecticide			3500
Fungicide			30000
Herbicide			5400

SUBTOTAL			<u>\$61,100</u>
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Other Costs			
Transportation (10 percent of material)			6110
Contingencies (10 percent of labour and material)			15110
**Tools discounted for 5 years			15000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			22665
SUBTOTAL			<u>\$63,885</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$214,985</u>

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

PORTLAND

Parish	Portland
Extension Area	Windsor
Crop	PINEAPPLE (SUGAR LOAF)
Crop Maturity	1.5 Years
Reaping Period	Indefinite
Planting Distance in cm (l x w)	60cm x 150cm
Planting Density @ 0.4 hectare	4356
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	\$49

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	15	1500	22500
Harrowing	MD	10	1500	15000
Furrowing	MD	7	1500	10500
Prepare Planting Material	MD	2	1500	3000
Planting	MD	18	1500	27000
Weeding	MD	25	1500	37500
Fertilising	MD	2	1500	3000
Harvesting	MD	48	1500	72000

Lunch	135	500	67500
SUBTOTAL			<u>\$270,000</u>

Material Inputs			
*Planting Material (5yr depr.)			24000
Fertiliser			11000
Herbicide			2100
Fungicide			750

SUBTOTAL			<u>\$37,850</u>
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Other Costs			
Transportation (10 percent of material)			3785
Contingencies (10 percent of labour and material)			30785
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision			46178
SUBTOTAL			<u>\$92,748</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$400,598</u>

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

PORTLAND

Parish	Portland
Extension Area	Windsor
Crop	GINGER
Crop Maturity	10 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 30cm
Planting Density @ 0.4 hectare	43560
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	\$82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Ploughing	MD	20	1500	30000
Maintain Trench	MD	2	1500	3000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	15	1500	22500
Pest Management	MD	2	1500	3000
Weeding	MD	15	1500	22500
Fertilising	MD	3	1500	4500
Harvesting	MD	27	1500	40500

Lunch	98	500	49000
SUBTOTAL			<u>\$196,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			32000
Fertiliser			20000
Fungicide			5500
Herbicide			1100

SUBTOTAL			<u>\$58,600</u>
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Other Costs			
Transportation (10 percent of material)			5860
Contingencies (10 percent of labour and material)			25460
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			38190
SUBTOTAL			<u>\$81,510</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$336,110</u>

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

PORTLAND

Parish	Portland
Extension Area	Windsor
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	75cm x 75cm
Planting Density @ 0.4 hectare	6970
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)	7,136
Cost of Production \$/Kg	\$34

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	5	2000	10000
Dig Holes	CW	16	2000	32000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	12	1500	18000
Pest Management	MD	4	1500	6000
Weeding	MD	15	1500	22500
Fertilising	MD	3	1500	4500
Harvesting	MD	25	1500	37500

Lunch	61	500	30500
SUBTOTAL			<u>\$164,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			5000
Fertiliser			11000
Insecticide			1400
Herbicide			1100

SUBTOTAL			<u>\$18,500</u>
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Other Costs			
Transportation (10 percent of material)			1850
Contingencies (10 percent of labour and material)			18250
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			27375
SUBTOTAL			<u>\$59,475</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$241,975</u>

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

PORTLAND

Parish	Portland
Extension Area	Windsor
Crop	HORSE PLANTAIN
Crop Maturity	10 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	240cm x 240cm
Planting Density @ 0.4 hectare	681
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)	9,281
Cost of Production \$/Kg	\$23

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Dig Holes	MD	3	1500	4500
Prepare Planting Material	MD	2	1500	3000
Planting	MD	4	1500	6000
Pest Management	MD	4	1500	6000
Weeding	MD	16	1500	24000
Fertilising	MD	4	1500	6000
Harvesting	MD	10	1500	15000

Lunch	53	500	26500
SUBTOTAL			<u>\$106,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			7000
Fertiliser			28000
Herbicide			7800

SUBTOTAL			<u>\$42,800</u>
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Other Costs			
Transportation (10 percent of material)			4280
Contingencies (10 percent of labour and material)			14880
**Tools discounted for 5 years			15000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			22320
SUBTOTAL			<u>\$61,480</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$210,280</u>

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

PORTLAND

Parish	Portland
Extension Area	Kildare
Crop	RED PEA
Crop Maturity	2 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 30cm
Planting Density @ 0.4 hectare	43560
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)	909
Cost of Production \$/Kg	\$269

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	14	1500	21000
Harrowing	MD	8	1500	12000
Furrowing	MD	6	2500	15000
Planting	MD	15	1500	22500
Pest Management	MD	4	1500	6000
Fertilising	MD	1	1500	1500
Weeding	MD	9	1500	13500
Harvesting (excluding shelling)	MD	8	1500	12000

Lunch	73	500	36500
SUBTOTAL			<u>\$152,000</u>

Material Inputs			
Planting Material			10000
Fertiliser			15000
Insecticide			4500
Herbicide			2200

SUBTOTAL			<u>\$31,700</u>
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Other Costs			
Transportation (10 percent of material)			3170
Contingencies (10 percent of labour and material)			18370
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			27555
SUBTOTAL			<u>\$61,095</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$244,795</u>

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

PORTLAND

Parish	Portland
Extension Area	Kildare
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈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)	3,636
Cost of Production \$/Kg	\$57

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	30	1500	45000
Maintain Trench	MD	4	1500	6000
Planting	MD	2	1500	3000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	9	1500	13500

Lunch	65	500	32500
SUBTOTAL			<u>\$130,000</u>

Material Inputs			
Planting Material			7800
Fertiliser			12500
Herbicide			3700

SUBTOTAL			<u>\$24,000</u>
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Other Costs			
Transportation (10 percent of material)			2400
Contingencies (10 percent of labour and material)			15400
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			23100
SUBTOTAL			<u>\$52,900</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$206,900</u>

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

PORTLAND

Parish	Portland
Extension Area	Kildare
Crop	GUNGO PEA
Crop Maturity	8 Months
Reaping Period	2 Years
Planting Distance in cm (l x w)	150cm x 90cm
Planting Density @ 0.4 hectare	2904
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)	909
Cost of Production \$/Kg	\$307

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	12	1500	18000
Harrowing	MD	8	1500	12000
Furrowing	MD	8	2500	20000
Planting	MD	24	1500	36000
Pest Management	MD	2	1500	3000
Fertilising	MD	1	1500	1500
Weeding	MD	10	1500	15000
Harvesting (excluding shelling)	MD	16	1500	24000

Lunch	91	500	45500
SUBTOTAL			<u>\$190,000</u>

Material Inputs			
Planting Material			2000
Fertiliser			15000
Insecticide			3500
Herbicide			1200

SUBTOTAL			<u>\$21,700</u>
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Other Costs			
Transportation (10 percent of material)			2170
Contingencies (10 percent of labour and material)			21170
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			31755
SUBTOTAL			<u>\$67,095</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$278,795</u>

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

PORTLAND

Parish	Portland
Extension Area	Port Antonio
Crop	DASHEEN
Crop Maturity	8 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	60cm x 90cm
Planting Density @ 0.4 hectare	7260
Terrain	Hillside Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	5,000
Cost of Production \$/Kg	\$36

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	9	2500	22500
Maintain Trench	MD	4	1500	6000
Planting	MD	12	1500	18000
Pest Management	MD	6	1500	9000
Weeding	MD	3	1500	4500
Fertilising	MD	1	1500	1500
Harvesting	MD	15	1500	22500

Lunch	43	300	12900
SUBTOTAL			<u>\$99,900</u>

Material Inputs			
*Planting Material (5 yr depr.)			1500
Fertiliser			27000
Insecticide			3500
Herbicide			1100

SUBTOTAL			<u>\$33,100</u>
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Other Costs			
Transportation (10 percent of material)			3310
Contingencies (10 percent of labour and material)			13300
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material) (15 percent of labour and material)			19950
SUBTOTAL			<u>\$46,060</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$179,060</u>

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

PORTLAND

Parish	Portland
Extension Area	Fruitful Vale
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	4 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	210cm x 210cm
Planting Density @ 0.4 hectare	889
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)	6,818
Cost of Production \$/Kg	\$26

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	16	1500	24000
Dig Holes	MD	6	1500	9000
Planting	MD	4	1500	6000
Weeding	MD	3	1500	4500
Fertilising	MD	2	1500	3000
Pest Management	MD	6	1500	9000
Harvesting	MD	10	1500	15000

Lunch	47	500	23500
SUBTOTAL			<u>\$94,000</u>

Material Inputs			
Planting Material			800
Fertiliser			18000
Insecticide			8000
Herbicide			10000

SUBTOTAL			<u>\$36,800</u>
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Other Costs			
Transportation (10 percent of material)			3680
Contingencies (10 percent of labour and material)			13080
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			19620
SUBTOTAL			<u>\$48,380</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$179,180</u>

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

PORTLAND

Parish	Portland
Extension Area	Fruitful Vale
Crop	CARROT
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈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)	2,273
Cost of Production \$/Kg	\$79

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Ploughing	MD	10	1500	15000
Maintain Trench	MD	4	1500	6000
Planting	MD	2	1500	3000
Pest Management	MD	2	1500	3000
Weeding	MD	3	1500	4500
Fertilising	MD	1	1500	1500
Harvesting	MD	10	1500	15000

Lunch	47	500	23500
SUBTOTAL			<u>\$94,000</u>

Material Inputs			
Planting Material			9000
Fertiliser			21200
Insecticide			0
Herbicide			8000

SUBTOTAL			<u>\$38,200</u>
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Other Costs			
Transportation (10 percent of material)			3820
Contingencies (10 percent of labour and material)			13220
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material) (15 percent of labour and material)			19830
SUBTOTAL			<u>\$46,370</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$178,570</u>

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

PORTLAND

Parish	Portland
Extension Area	Fruitful Vale
Crop	COCO
Crop Maturity	9 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	90cm x 90cm
Planting Density @ 0.4 hectare	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)	8,727
Cost of Production \$/Kg	\$48

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	8	2500	20000
Dig Holes	MD	40	1500	60000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	10	1500	15000
Weeding	MD	35	1500	52500
Fertilising	MD	2	1500	3000
Harvesting	MD	38	1500	57000

Lunch	127	500	63500
SUBTOTAL			<u>\$274,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			8000
Herbicide			5000
Fertiliser			31800

SUBTOTAL			<u>\$44,800</u>
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Other Costs			
Transportation (10 percent of material)			4480
Contingencies (10 percent of labour and material)			31880
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			47820
SUBTOTAL			<u>\$96,180</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$414,980</u>

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

Back	Home	Forward
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Parish	St. Elizabeth
Extension Area	Ginger Hill
Crop	PINEAPPLE MD2
Crop Maturity	9.5 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	120cm x 30cm
Planting Density @ 0.4 hectare	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)	11,455
Cost of Production \$/Kg	\$58

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	10	2000	20000
Ploughing	MD	20	1500	30000
Furrowing	MD	20	1500	30000
Maintain Trench	MD	10	1500	15000
Prepare Planting Material	MD	14	1500	21000
Planting	MD	10	1500	15000
Pest Management	MD	24	1500	36000
Fertilising	MD	9	1500	13500
Weeding	CW	8	2500	20000
Harvesting	MD	35	1500	52500

Lunch	142	500	71000
SUBTOTAL			<u>\$324,000</u>

Material Inputs			
*Planting Material (10 yr depr.)			54450
Fertiliser			35000
Insecticide			25000
Fungicide			35000
Herbicide			23000

SUBTOTAL			<u>\$172,450</u>
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Other Costs			
Transportation (10 percent of material)			17245
Contingencies (10 percent of labour and material)			49645
**Tools discounted for 5 years			7000
Land Charges per crop cycle			20000
Supervision (15 percent of labour and material)			74468
SUBTOTAL			<u>\$168,358</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$664,808</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Ginger Hill
Crop	PINEAPPLE (COW BOY)
Crop Maturity	14 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	120cm x 45cm
Planting Density @ 0.4 hectare	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)	8,636
Cost of Production \$/Kg	\$42

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	12	1500	18000
Furrowing	MD	15	1500	22500
Maintain Trench	MD	4	1500	6000
Prepare Planting Material	MD	10	1500	15000
Planting	MD	8	1500	12000
Pest Management	MD	8	1500	12000
Fertilising	MD	12	1500	18000
Weeding	MD	6	1500	9000
Harvesting	MD	30	1500	45000

Lunch	83	300	24900
SUBTOTAL			<u>\$194,400</u>

Material Inputs			
*Planting Material (10 yr depr.)			21780
Fertiliser			40000
Herbicide			9400

SUBTOTAL			<u>\$71,180</u>
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Other Costs			
Transportation (10 percent of material)			7118
Contingencies (10 percent of labour and material)			26558
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			39837
SUBTOTAL			<u>\$95,513</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$361,093</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Braes River
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	3 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	180cm x 300cm
Planting Density @ 0.4 hectare	545
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)	6,818
Cost of Production \$/Kg	\$20

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Dig Holes	MD	4	1500	6000
Planting	MD	3	1500	4500
Pest Management	MD	4	1500	6000
Weeding	MD	1	1500	1500
Fertilising	MD	2	1500	3000
Harvesting	MD	9	1500	13500

Lunch	26	500	13000
SUBTOTAL			<u>\$52,000</u>

Material Inputs			
Planting Material			150
Fertiliser			12500
Insecticide			15000
Fungicide			5000
Herbicide			7000

SUBTOTAL			<u>\$39,650</u>
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Other Costs			
Transportation (10 percent of material)			3965
Contingencies (10 percent of labour and material)			9165
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			13748
SUBTOTAL			<u>\$41,378</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$133,028</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Braes River
Crop	HOT PEPPER (WI RED)
Crop Maturity	3 Months
Reaping Period	8 Months
Planting Distance in cm (l x w)	90cm x 90cm
Planting Density @ 0.4 hectare	4840
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	\$59

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	6	2500	15000
Lining Irrigation Hose	MD	2	1500	3000
Dig Holes/Plant	MD	4	1500	6000
Pest Management	MD	12	1500	18000
Weeding	MD	45	1500	67500
Fertilising	MD	14	1500	21000
Harvesting	MD	126	1500	189000

Lunch	206	500	<u>103000</u>
SUBTOTAL			<u><u>\$430,000</u></u>

Material Inputs			
Planting Material			54000
Fertiliser			53000
Insecticide			24000
Fungicide			2500
Herbicide			2700
Water			35000

SUBTOTAL			<u><u>\$171,200</u></u>
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Other Costs			
Transportation (10 percent of material)			17120
Contingencies (10 percent of labour and material)			60120
**Tools discounted for 5 years			27000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			90180
SUBTOTAL			<u><u>\$209,420</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$810,620</u></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 in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	11,364
Cost of Production \$/Kg	\$30

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	8	1500	12000
Maintain Trench	MD	3	1500	4500
Prepare Planting Material	MD	3	1500	4500
Dig Holes/Plant	MD	30	1500	45000
Pest Management	MD	6	1500	9000
Weeding	MD	5	1500	7500
Fertilising	MD	5	1500	7500
Harvesting	MD	25	1500	37500

Lunch	95	500	47500
SUBTOTAL			<u>\$190,000</u>

Material Inputs			
*Planting Material (5yr depr.)			20000
Fertiliser			22800
Insecticide			8000
Fungicide			0
Herbicide			7200

SUBTOTAL			<u>\$58,000</u>
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Other Costs			
Transportation (10 percent of material)			5800
Contingencies (10 percent of labour and material)			24800
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			37200
SUBTOTAL			<u>\$89,800</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$337,800</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	New Market
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	4,545
Cost of Production \$/Kg	\$82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	11	1500	16500
Ploughing	MD	15	1500	22500
Furrowing	MD	5	1500	7500
Planting	MD	3	1500	4500
Pest Management	MD	8	1500	12000
Weeding	MD	10	1500	15000
Harvesting	MD	6	1500	9000

Lunch	58	500	29000
SUBTOTAL			<u>\$116,000</u>

Material Inputs			
Planting Material			81000
Fertiliser			45000
Insecticide			24000
Fungicide			4500
Herbicide			4600

SUBTOTAL			<u>\$159,100</u>
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Other Costs			
Transportation (10 percent of material)			15910
Contingencies (10 percent of labour and material)			27510
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			41265
SUBTOTAL			<u>\$99,185</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$374,285</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	New Market
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 75cm
Planting Density @ 0.4 hectare	8712
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)	3,636
Cost of Production \$/Kg	\$66

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	5	2500	12500
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	6	1500	9000
Pest Management	MD	4	1500	6000
Weeding	MD	6	1500	9000
Fertilising	MD	1	1500	1500
Harvesting	MD	12	1500	18000

Lunch		33	500	16500
SUBTOTAL				<u>\$98,500</u>

Material Inputs				
*Planting Material (5 yr depr.)				5500
Fertiliser				50000
Insecticide				12000
Herbicide				8000

SUBTOTAL				<u>\$75,500</u>
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Other Costs				
Transportation (10 percent of material)				7550
Contingencies (10 percent of labour and material)				17400
**Tools discounted for 5 years				7000
Land Charges per crop cycle				7500
Supervision (15 percent of labour and material)				26100
SUBTOTAL				<u>\$65,550</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$239,550</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Ipswich
Crop	HOT PEPPER (WI RED)
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance in cm (l x w)	90cm x 90cm
Planting Density @ 0.4 hectare	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)	11,364
Cost of Production \$/Kg	\$67

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Dig Holes	CW	15	2000	30000
Maintain Trench	MD	4	1500	6000
Planting	MD	5	1500	7500
Weeding	MD	10	1500	15000
Fertilising	MD	6	1500	9000
Pest Management	MD	36	1500	54000
Harvesting	MD	135	1500	202500

Lunch	206	500	<u>103000</u>
SUBTOTAL			<u><u>\$442,000</u></u>

Material Inputs			
Planting Material			48400
Fertiliser			22000
Insecticide			40000
Fungicide			25000
Herbicide			5500

SUBTOTAL			<u><u>\$140,900</u></u>
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Other Costs			
Transportation (10 percent of material)			14090
Contingencies (10 percent of labour and material)			58290
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			87435
SUBTOTAL			<u><u>\$181,815</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$764,715</u></u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Ipswich
Crop	DASHEEN
Crop Maturity	9 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 60cm
Planting Density @ 0.4 hectare	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)	8,182
Cost of Production \$/Kg	\$27

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes	CW	15	2000	30000
Maintain Trench	MD	4	1500	6000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	9	1500	13500
Weeding	MD	9	1500	13500
Fertilising	MD	2	1500	3000
Pest Management	MD	5	1500	7500
Harvesting	MD	7	1500	10500

Lunch	46	500	23000
SUBTOTAL			<u>\$122,000</u>

Material Inputs			
*Planting Material (5yr depr.)			9000
Fertiliser			16800
Insecticide			9000
Herbicide			2200

SUBTOTAL			<u>\$37,000</u>
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Other Costs			
Transportation (10 percent of material)			3700
Contingencies (10 percent of labour and material)			15900
**Tools discounted for 5 years			7000
Land Charges per crop cycle			15000
Supervision (15 percent of labour and material)			23850
SUBTOTAL			<u>\$65,450</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$224,450</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Ipswich
Crop	GINGER
Crop Maturity	12 Months
Reaping Period	2.5 Months
Planting Distance in cm (l x w)	30cm x 30cm
Planting Density @ 0.4 hectare	43560
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	\$89

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	17	1500	25500
Ploughing	CW	20	2500	50000
Furrowing	CW	10	2500	25000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	15	1500	22500
Weeding	MD	35	1500	52500
Fertilising	MD	2	1500	3000
Harvesting	MD	45	1500	67500

Lunch	119	500	59500
SUBTOTAL			<u>\$313,000</u>

Material Inputs			
*Planting Material (5yr depr.)			18000
Fertiliser			22400
Fungicide			16200
Herbicide			5500

SUBTOTAL			<u>\$62,100</u>
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Other Costs			
Transportation (10 percent of material)			6210
Contingencies (10 percent of labour and material)			37510
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			56265
SUBTOTAL			<u>\$111,985</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$487,085</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Black River
Crop	SWEET POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	45cm x 90cm
Planting Density @ 0.4 hectare	9680
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)	6,818
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	16	1500	24000
Furrowing	MD	8	1500	12000
Prepare Planting Material	MD	4	1500	6000
Planting	MD	10	1500	15000
Pest Management	MD	6	1500	9000
Weeding	MD	7	1500	10500
Fertilising	MD	1	1500	1500
Harvesting	MD	20	1500	30000

Lunch	82	500	41000
SUBTOTAL			<u>\$164,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			4000
Fertiliser			27000
Insecticide			5600
Fungicide			1100
Herbicide			4500

SUBTOTAL			<u>\$42,200</u>
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Other Costs			
Transportation (10 percent of material)			4220
Contingencies (10 percent of labour and material)			20620
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			30930
SUBTOTAL			<u>\$70,270</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$276,470</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Black River
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
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)	10,682
Cost of Production \$/Kg	\$26

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Dig Holes	MD	12	1500	18000
Nursery Operations	MD	3	1500	4500
Transplanting	MD	18	1500	27000
Pest Management	MD	1	1500	1500
Weeding	MD	10	1500	15000
Fertilising	MD	1	1500	1500
Harvesting	MD	12	1500	18000

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

Material Inputs			
Planting Material			7600
Fertiliser			30000
Insecticide			26000
Fungicide			1800
Herbicide			3500

SUBTOTAL			<u>\$68,900</u>
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Other Costs			
Transportation (10 percent of material)			6890
Contingencies (10 percent of labour and material)			20690
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			31035
SUBTOTAL			<u>\$73,115</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$280,015</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Black River
Crop	SWEET CASSAVA
Crop Maturity	9 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	120cm x 90cm
Planting Density @ 0.4 hectare	3630
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)	5,909
Cost of Production \$/Kg	\$51

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	5	2500	12500
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	12	1500	18000
Planting	MD	15	1500	22500
Weeding	MD	1	1500	1500
Fertilising	MD	2	1500	3000
Harvesting	MD	55	1500	82500

Lunch	87	500	43500
SUBTOTAL			<u>\$206,500</u>

Material Inputs			
*Planting Material (5yr depr.)			5000
Fertiliser			10600
Herbicide			6000

SUBTOTAL			<u>\$21,600</u>
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Other Costs			
Transportation (10 percent of material)			2160
Contingencies (10 percent of labour and material)			22810
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision			34215
SUBTOTAL			<u>\$71,185</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$299,285</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Pedro Plain
Crop	BEETROOT
Crop Maturity	2 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 30cm
Planting Density @ 0.4 hectare	43560
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)	4,545
Cost of Production \$/Kg	\$79

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	CW	8	2000	16000
Harrowing	CW	3	2000	6000
Mulching	MD	5	1500	7500
Planting	MD	12	1500	18000
Pest Management	MD	8	1500	12000
Weeding	MD	25	1500	37500
Fertilising	MD	4	1500	6000
Harvesting	MD	32	1500	48000

Lunch	88	500	44000
SUBTOTAL			<u>\$198,000</u>

Material Inputs			
Planting Material			7500
Fertiliser			16500
Insecticide			10400
Fungicide			3500
Herbicide			3500
Mulch			28000

SUBTOTAL			<u>\$69,400</u>
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Other Costs			
Transportation (10 percent of material)			6940
Contingencies (10 percent of labour and material)			26740
**Tools discounted for 5 years			7000
Land Charges per crop cycle			12500
Supervision (15 percent of labour and material)			40110
SUBTOTAL			<u>\$93,290</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$360,690</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Pedro Plain
Crop	ESCALLION
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈170000
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)	4,091
Cost of Production \$/Kg	\$179

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	MD	18	1500	27000
Harrowing	MD	5	1500	7500
Mulching	MD	6	1500	9000
Planting	MD	18	1500	27000
Pest Management	MD	14	1500	21000
Weeding	MD	35	1500	52500
Fertilising	MD	2	1500	3000
Harvesting	MD	55	1500	82500

Lunch	155	500	<u>77500</u>
SUBTOTAL			<u><u>\$310,000</u></u>

Material Inputs			
*Planting Material (5 yr depr.)			35000
Fertiliser			66000
Insecticide			55000
Fungicide			35000
Herbicide			3000
Mulch			46000

SUBTOTAL			<u><u>\$240,000</u></u>
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Other Costs			
Transportation (10 percent of material)			24000
Contingencies (10 percent of labour and material)			55000
**Tools discounted for 5 years			7000
Land Charges per crop cycle			12500
Supervision (15 percent of labour and material)			82500
SUBTOTAL			<u><u>\$181,000</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$731,000</u></u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Pedro Plain
Crop	CANTALOUPE
Crop Maturity	2.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	120cm x 120cm
Planting Density @ 0.4 hectare	2723
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	9,091
Cost of Production \$/Kg	\$52

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	MD	16	1500	24000
Harrowing	MD	5	1500	7500
Mulching	MD	10	1500	15000
Planting	MD	3	1500	4500
Pest Management	MD	12	1500	18000
Weeding	MD	24	1500	36000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch	96	500	48000
SUBTOTAL			<u>\$192,000</u>

Material Inputs			
Planting Material			36250
Fertiliser			19000
Insecticide			7600
Fungicide			8000
Herbicide			3720
Mulch			32000
Water			45000

SUBTOTAL			<u>\$151,570</u>
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Other Costs			
Transportation (10 percent of material)			15157
Contingencies (10 percent of labour and material)			34357
**Tools discounted for 5 years			17000
Land Charges per crop cycle			12500
Supervision (15 percent of labour and material)			51536
SUBTOTAL			<u>\$130,550</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$474,120</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Malvern
Crop	CARROT
Crop Maturity	2.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈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)	5,682
Cost of Production \$/Kg	\$42

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	2000	4000
Ploughing	tractor	4	2500	10000
Harrowing	tractor	4	2500	10000
Planting	MD	1	2000	2000
Pest Management	MD	4	2000	8000
Weeding	MD	6	2000	12000
Fertilising	MD	2	2000	4000
Harvesting	MD	18	2000	36000

Lunch	33	500	16500
SUBTOTAL			<u>\$102,500</u>

Material Inputs			
Planting Material			12000
Fertiliser			27000
Insecticide			10000
Fungicide			8800
Herbicide			13000

SUBTOTAL			<u>\$70,800</u>
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Other Costs			
Transportation (10 percent of material)			7080
Contingencies (10 percent of labour and material)			17330
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			25995
SUBTOTAL			<u>\$67,405</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$240,705</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 in cm (l x w)	30cm x 90cm
Planting Density @ 0.4 hectare	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	\$44

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	2000	4000
Ploughing	tractor	4	2500	10000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	2	2000	4000
Planting	MD	8	2000	16000
Pest Management	MD	6	2000	12000
Weeding	CW	6	2500	15000
Fertilising	MD	2	2000	4000
Harvesting	MD	35	2000	70000

Lunch	55	500	27500
SUBTOTAL			<u>\$182,500</u>

Material Inputs			
*Planting Material (5 yr depr.)			3000
Fertiliser			17000
Insecticide			15000
Fungicide			4000
Herbicide			4900

SUBTOTAL			<u>\$43,900</u>
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Other Costs			
Transportation (10 percent of material)			4390
Contingencies (10 percent of labour and material)			22640
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			33960
SUBTOTAL			<u>\$75,490</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$301,890</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Malvern
Crop	CABBAGE
Crop Maturity	2.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	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)	10,227
Cost of Production \$/Kg	\$39

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	2000	14000
Ploughing	MD	8	2000	16000
Harrowing	MD	4	2000	8000
Nursery Operations	MD	5	2000	10000
Transplanting	MD	18	2000	36000
Pest Management	MD	10	2000	20000
Weeding	MD	10	2000	20000
Fertilising	MD	2	2000	4000
Harvesting	MD	20	2000	40000

Lunch	84	500	42000
SUBTOTAL			<u>\$210,000</u>

Material Inputs			
Planting Material			15000
Fertiliser			26000
Insecticide			23000
Fungicide			3000
Herbicide			10000
Seed Trays			2750
Potting Mixture			7600

SUBTOTAL			<u>\$87,350</u>
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Other Costs			
Transportation (10 percent of material)			8735
Contingencies (10 percent of labour and material)			29735
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			44603
SUBTOTAL			<u>\$100,073</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$397,423</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Lacovia
Crop	HOT PEPPER (WI RED)
Crop Maturity	3.5 Months
Reaping Period	7 Months
Planting Distance in cm (l x w)	120cm x 90cm
Planting Density @ 0.4 hectare	3630
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)	9,318
Cost of Production \$/Kg	\$71

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	4	2500	10000
Harrowing	tractor	3	2500	7500
Furrowing	tractor	3	2500	7500
Lining Irrigation Hose	MD	2	1500	3000
Transplanting	MD	13	1500	19500
Pest Management	MD	12	1500	18000
Weeding	MD	30	1500	45000
Fertilising	MD	12	1500	18000
Harvesting	MD	115	1500	172500
Lunch		188	300	56400
SUBTOTAL				<u><u>\$363,400</u></u>
Material Inputs				
Planting Material				54450
Fertiliser				55000
Insecticide				14500
Fungicide				10500
Herbicide				5250
SUBTOTAL				<u><u>\$139,700</u></u>
Other Costs				
Transportation (10 percent of material)				13970
Contingencies (10 percent of labour and material)				50310
**Tools discounted for 5 years				7000
Land Charges per crop cycle				7500
Supervision (15 percent of labour and material)				75465
SUBTOTAL				<u><u>\$154,245</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$657,345</u></u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Lacovia
Crop	PAW-PAW
Crop Maturity	12 Months
Reaping Period	1 Year
Planting Distance in cm (l x w)	210cm x 210cm
Planting Density @ 0.4 hectare	889
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)	13,864
Cost of Production \$/Kg	\$43

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	3	2500	7500
Harrowing	tractor	2	2500	5000
Furrowing	tractor	2	2500	5000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	4	1500	6000
Pest Management	MD	27	1500	40500
Weeding	MD	8	1500	12000
Fertilising	MD	4	1500	6000
Harvesting	MD	135	1500	202500
Lunch		187	300	56100
SUBTOTAL				<u><u>\$354,100</u></u>
Material Inputs				
Planting Material				4000
Fertiliser				35000
Insecticide				32000
Fungicide				15000
Herbicide				12500
SUBTOTAL				<u><u>\$98,500</u></u>
Other Costs				
Transportation (10 percent of material)				9850
Contingencies (10 percent of labour and material)				45260
**Tools discounted for 5 years				7000
Land Charges per crop cycle				15000
Supervision (15 percent of labour and material)				67890
SUBTOTAL				<u><u>\$145,000</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$597,600</u></u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Lacovia
Crop	PEANUT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈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)	80
Cost of Production \$/(bushel)	\$2,409

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	4	2500	10000
Harrowing	tractor	3	2500	7500
Furrowing	tractor	3	2500	7500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	2	1500	3000
Pest Management	MD	6	1500	9000
Weeding	CW	5	1000	5000
Fertilising	MD	1	1500	1500
Harvesting (excluding shelling)	MD	22	1500	33000
Lunch		35	300	10500
SUBTOTAL				<u><u>\$93,000</u></u>
Material Inputs				
Planting Material				20000
Fertiliser				15000
Insecticide				4200
Fungicide				3200
Herbicide				3500
SUBTOTAL				<u><u>\$45,900</u></u>
Other Costs				
Transportation (10 percent of material)				4590
Contingencies (10 percent of labour and material)				13890
**Tools discounted for 5 years				7000
Land Charges per crop cycle				7500
Supervision (15 percent of labour and material)				20835
SUBTOTAL				<u><u>\$53,815</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$192,715</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	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 60cm
Planting Density @ 0.4 hectare	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)	3,636
Cost of Production \$/Kg	\$47

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	5	2500	12500
Harrowing	tractor	3	2500	7500
Furrowing	tractor	3	2500	7500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	7	1500	10500
Pest Management	MD	1	1500	1500
Weeding	MD	4	1500	6000
Fertilising	MD	2	1500	3000
Harvesting	MD	8	1500	12000
Lunch		28	300	8400
SUBTOTAL				<u><u>\$77,900</u></u>
Material Inputs				
*Planting Material (5 yr depr.)				4500
Fertiliser				32000
Baits				800
Herbicide				7250
SUBTOTAL				<u><u>\$44,550</u></u>
Other Costs				
Transportation (10 percent of material)				4455
Contingencies (10 percent of labour and material)				12245
**Tools discounted for 5 years				7000
Land Charges per crop cycle				7500
Supervision (15 percent of labour and material)				18368
SUBTOTAL				<u><u>\$49,568</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$172,018</u></u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Junction
Crop	BROCCOLI
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	90cm x60cm
Planting Density @ 0.4 hectare	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)	6,591
Cost of Production \$/Kg	\$32

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Dig Holes	MD	4	2500	10000
Nursery Operations	MD	3	1500	4500
Mulching	MD	2	1500	3000
Transplanting	MD	4	1500	6000
Pest Management	MD	6	1500	9000
Weeding	MD	12	1500	18000
Fertilising	MD	1	1500	1500
Harvesting	MD	6	1500	9000

Lunch	50	500	25000
SUBTOTAL			<u>\$104,000</u>

Material Inputs			
Planting Material			10000
Fertiliser			15000
Insecticide			16000
Fungicide			4400
Herbicide			2200

SUBTOTAL			<u>\$47,600</u>
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Other Costs			
Transportation (10 percent of material)			4760
Contingencies (10 percent of labour and material)			15160
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			22740
SUBTOTAL			<u>\$57,160</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$208,760</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Junction
Crop	ESCALLION
Crop Maturity	2 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	15cm x 30cm
Planting Density @ 0.4 hectare	87120
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)	5,682
Cost of Production \$/Kg	\$82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	16	1500	24000
Harrowing	MD	8	1500	12000
Mulching	MD	7	1500	10500
Planting	MD	25	1500	37500
Pest Management	MD	7	1500	10500
Weeding	MD	31	1500	46500
Fertilising	MD	2	1500	3000
Harvesting	MD	30	1500	45000

Lunch	134	500	67000
SUBTOTAL			<u>\$268,000</u>

Material Inputs			
Planting Material			20000
Fertiliser			22000
Insecticide			11000
Mulch			30000

SUBTOTAL			<u>\$83,000</u>
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Other Costs			
Transportation (10 percent of material)			8300
Contingencies (10 percent of labour and material)			35100
**Tools discounted for 5 years			7000
Land Charges per crop cycle			12500
Supervision (15 percent of labour and material)			52650
SUBTOTAL			<u>\$115,550</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$466,550</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Junction
Crop	TOMATO (SLICING)
Crop Maturity	3 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	60cm x 90cm
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	9,318
Cost of Production \$/Kg	\$47

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	22	1500	33000
Dig Holes	MD	10	1500	15000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	11	1500	16500
Mulching	MD	4	1500	6000
Stake and Tie	MD	15	1500	22500
Pest Management	MD	6	1500	9000
Weeding	MD	6	1500	9000
Fertilising	MD	3	1500	4500
Harvesting	MD	24	1500	36000

Lunch	106	500	53000
SUBTOTAL			<u>\$212,000</u>

Material Inputs			
Planting Material			22000
Fertiliser			21500
Insecticide			11000
Fungicide			8500
Seed Trays			3000
Stakes			15000
Water			12000
Mulch			25000

SUBTOTAL			<u>\$118,000</u>
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Other Costs			
Transportation (10 percent of material)			11800
Contingencies (10 percent of labour and material)			33000
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			49500
SUBTOTAL			<u>\$108,800</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$438,800</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Junction
Crop	CAULIFLOWER
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	90cm x60cm
Planting Density @ 0.4 hectare	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)	6,591
Cost of Production \$/Kg	\$46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	16	1500	24000
Dig Holes	MD	6	2500	15000
Nursery Operations	MD	2	1500	3000
Mulching	MD	2	1500	3000
Transplanting	MD	6	1500	9000
Pest Management	MD	6	1500	9000
Weeding	MD	16	1500	24000
Fertilising	MD	2	1500	3000
Harvesting	MD	16	1500	24000

Lunch	72	500	36000
SUBTOTAL			<u>\$150,000</u>

Material Inputs			
Planting Material			9600
Fertiliser			25000
Insecticide			18000
Fungicide			1650
Herbicide			2200
Potting Mixture			6500
Seed Trays			12000

SUBTOTAL			<u>\$74,950</u>
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Other Costs			
Transportation (10 percent of material)			7495
Contingencies (10 percent of labour and material)			22495
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			33743
SUBTOTAL			<u>\$78,233</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$303,183</u>

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

St. ELIZABETH

Parish	St. Elizabeth	
Extension Area	Junction	
Crop	THYME	
Crop Maturity	3 Months	
Reaping Period	Indefinite	
Planting Distance in cm (l x w)	30cm x 30cm	
Planting Density @ 0.4 hectare	43560	
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)	750	in three months
Cost of Production \$/Kg	\$360	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	15	1500	22500
Dig Holes/Plant	MD	10	1500	15000
Mulching	MD	3	1500	4500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	21	1500	31500
Pest Management	MD	5	1500	7500
Weeding	MD	6	1500	9000
Fertilising	MD	2	1500	3000
Harvesting	MD	6	1500	9000

Lunch	77	300	23100
SUBTOTAL			<u>\$138,600</u>

Material Inputs			
*Planting Material (5 yr depr.)			1500
Fertiliser			16700
Insecticide			4000
Fungicide			3500
Herbicide			1500
Mulch			30000

SUBTOTAL			<u>\$57,200</u>
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Other Costs			
Transportation (10 percent of material)			5720
Contingencies (10 percent of labour and material)			19580
**Tools discounted for 5 years			11666.667
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			29370
SUBTOTAL			<u>\$73,837</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$269,637</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Balacava
Crop	Plantain
Crop Maturity	12 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	240cm x 240cm
Planting Density @ 0.4 hectare	681
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)	7,727
Cost of Production \$/Kg	\$22

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Dig Holes	MD	10	1500	15000
Maintain Trench	MD	3	1500	4500
Prepare Planting Material	MD	5	1500	7500
Planting	MD	5	1500	7500
Pest Management	MD	2	1500	3000
Weeding	MD	7	1500	10500
Fertilising	MD	1	1500	1500
Harvesting	MD	11	1500	16500

Lunch	47	500	23500
SUBTOTAL			<u>\$94,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			7000
Fertiliser			11000
Fungicide			3100
Herbicide			10400

SUBTOTAL			<u>\$31,500</u>
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Other Costs			
Transportation (10 percent of material)			3150
Contingencies (10 percent of labour and material)			12550
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			18825
SUBTOTAL			<u>\$46,525</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$172,025</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Balaclava
Crop	NEGRO YAM
Crop Maturity	6.5 Months
Reaping Period	2.5 Months
Planting Distance in cm (l x w)	120cm x 210cm
Planting Density @ 0.4 hectare	1500
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)	7,955
Cost of Production (\$/Kg)	\$54

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Dig Holes	CW	25	2000	50000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	4	1500	6000
Stake and Tie	MD	25	1500	37500
Fertilising	MD	5	1500	7500
Weeding	MD	16	1500	24000
Harvesting	MD	35	1500	52500

Lunch	102	500	51000
SUBTOTAL			<u>\$254,000</u>

Material Inputs			
*Planting Material			13000
Fertiliser			30000
*Stakes			17000
Herbicide			8800

SUBTOTAL			<u>\$68,800</u>
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Other Costs			
Transportation (10 percent of material)			6880
Contingencies (10 percent of labour and material)			32280
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			48420
SUBTOTAL			<u>\$104,580</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$427,380</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Balacava
Crop	COCO
Crop Maturity	10 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	90cm x 90cm
Planting Density @ 0.4 hectare	4840
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)	8,727
Cost of Production \$/Kg	\$50

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes	CW	40	2000	80000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	15	1500	22500
Weeding	MD	35	1500	52500
Fertilising	MD	2	1500	3000
Harvesting	MD	40	1500	60000

Lunch	105	500	52500
SUBTOTAL			<u>\$290,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			25000
Herbicide			5200
Fertiliser			16470

SUBTOTAL			<u>\$46,670</u>
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Other Costs			
Transportation (10 percent of material)			4667
Contingencies (10 percent of labour and material)			33667
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			50501
SUBTOTAL			<u>\$100,835</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$437,505</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Balaclava
Crop	SWEET YAM
Crop Maturity	8 Months
Reaping Period	2.5 Months
Planting Distance in cm (l x w)	150cm x 150cm
Planting Density @ 0.4 hectare	1742
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)	5,455
Cost of Production \$/Kg	\$65

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Make Mounds	CW	15	2000	30000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	6	1500	9000
Stake and Tie	MD	15	1500	22500
Weeding	MD	25	1500	37500
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch	83	500	41500
SUBTOTAL			<u>\$196,000</u>

Material Inputs			
*Planting Material (5yr depr.)			16150
Fertiliser			25000
Fungicide			14400
*Stakes			17000

SUBTOTAL			<u>\$72,550</u>
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Other Costs			
Transportation (10 percent of material)			7255
Contingencies (10 percent of labour and material)			26855
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision			40283
SUBTOTAL			<u>\$83,893</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$352,443</u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Southfield
Crop	TOMATO (SLICING)
Crop Maturity	3 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	60cm x 120cm
Planting Density @ 0.4 hectare	5445
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)	7,955
Cost of Production \$/Kg	\$66

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Dig Holes	MD	6	1500	9000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	6	1500	9000
Mulching	MD	4	1500	6000
Stake and Tie	MD	12	1500	18000
Pest Management	MD	32	1500	48000
Weeding	MD	12	1500	18000
Fertilising	MD	6	1500	9000
Harvesting	MD	18	1500	27000

Lunch	103	500	51500
SUBTOTAL			<u><u>\$206,000</u></u>

Material Inputs			
Planting Material			50500
Fertiliser			42000
Insecticide			18000
Fungicide			28500
Seed Trays			3000
Stakes			15000
Herbicide			6000
Mulch			25000

SUBTOTAL			<u><u>\$188,000</u></u>
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Other Costs			
Transportation (10 percent of material)			18800
Contingencies (10 percent of labour and material)			39400
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			59100
SUBTOTAL			<u><u>\$131,800</u></u>

TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$525,800</u></u>
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Initial land clearing cost are not included given the wide variations present

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Southfield
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈116000
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)	4,091
Cost of Production \$/Kg	\$49

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	4	2500	10000
Harrowing	tractor	3	2500	7500
Planting	MD	3	1500	4500
Mulching	MD	4	1500	6000
Pest Management	MD	2	1500	3000
Weeding	MD	6	1500	9000
Fertilising	MD	1	1500	1500
Harvesting	MD	15	1500	22500

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

Material Inputs			
Planting Material			10000
Fertiliser			12000
Insecticide			1400
Mulch			35000

SUBTOTAL			<u><u>\$58,400</u></u>
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Other Costs			
Transportation (10 percent of material)			5840
Contingencies (10 percent of labour and material)			14390
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			21585
SUBTOTAL			<u><u>\$56,315</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$200,215</u></u>

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

St. ELIZABETH

Parish	St. Elizabeth
Extension Area	Southfield
Crop	TOMATO (PLUMMY)
Crop Maturity	3 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	60cm x 90cm
Planting Density @ 0.4 hectare	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)	9,091
Cost of Production \$/Kg	\$62

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Dig Holes	MD	6	1500	9000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	8	1500	12000
Mulching	MD	4	1500	6000
Stake and Tie	MD	12	1500	18000
Pest Management	MD	32	1500	48000
Weeding	MD	12	1500	18000
Fertilising	MD	6	1500	9000
Harvesting	MD	18	1500	27000

Lunch	105	500	52500
SUBTOTAL			<u><u>\$210,000</u></u>

Material Inputs			
Planting Material			64000
Fertiliser			50000
Insecticide			19600
Fungicide			30000
Seed Trays			3000
Stakes			20000
Herbicide			3800
Mulch			25000

SUBTOTAL			<u><u>\$215,400</u></u>
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Other Costs			
Transportation (10 percent of material)			21540
Contingencies (10 percent of labour and material)			42540
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			63810
SUBTOTAL			<u><u>\$142,390</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$567,790</u></u>

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

Back	Home	Forward
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Parish	St. Andrew
Extension Area	Mavis Bank
Crop	SNOW PEAS
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	2,182
Cost of Production (\$/Kg)	\$128

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	20	1500	30000
Furrowing	MD	8	1500	12000
Maintain Trench	MD	4	1500	6000
Planting	MD	8	1500	12000
Pest Management	MD	6	1500	9000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting (excluding shelling)	MD	10	1500	15000

Lunch	76	500	38000
SUBTOTAL			<u>\$152,000</u>

Material Inputs			
Planting Material			8500
Fertiliser			25000
Insecticide			10000
Fungicide			8000
Herbicide			5500

SUBTOTAL			<u>\$57,000</u>
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Other Costs			
Transportation (10 percent of material)			5700
Contingencies (10 percent of labour and material)			20900
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material) (15 percent of labour and material)			31350
SUBTOTAL			<u>\$69,950</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$278,950</u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Mavis Bank
Crop	ESCALLION
Crop Maturity	2 Months
Reaping Period	1 Year
Planting Distance in cm (l x w)	15cm x 15cm
Planting Density @ 0.4 hectare	174240
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	\$128

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Ploughing	MD	12	1500	18000
Harrowing	MD	10	1500	15000
Furrowing	MD	8	1500	12000
Planting	MD	20	1500	30000
Weeding	MD	15	1500	22500
Fertilising	MD	2	1500	3000
Harvesting	MD	37	1500	55500

Lunch	119	500	59500
SUBTOTAL			<u><u>\$238,000</u></u>

Material Inputs			
Planting Material			50000
Fertiliser			26000
Insecticide			15000
Fungicide			18000
Herbicide			6700

SUBTOTAL			<u><u>\$115,700</u></u>
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Other Costs			
Transportation (10 percent of material)			11570
Contingencies (10 percent of labour and material)			35370
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material) (15 percent of labour and material)			53055
SUBTOTAL			<u><u>\$111,995</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$465,695</u></u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Mavis Bank
Crop	BROCCOLI
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	21780
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	\$108

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	15	2500	37500
Harrowing	MD	6	2500	15000
Furrowing	MD	6	2500	15000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	10	1500	15000
Pest Management	MD	8	1500	12000
Weeding	MD	12	2000	24000
Fertilising	MD	2	1500	3000
Harvesting	MD	14	1500	21000

Lunch	87	500	43500
SUBTOTAL			<u><u>\$207,000</u></u>

Material Inputs			
Planting Material			25000
Fertiliser			25000
Insecticide			20000
Fungicide			18000
Herbicide			2100

SUBTOTAL			<u><u>\$90,100</u></u>
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Other Costs			
Transportation (10 percent of material)			9010
Contingencies (10 percent of labour and material)			29710
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material) (15 perce			44565
SUBTOTAL			<u><u>\$95,285</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$392,385</u></u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Temple hall
Crop	CARROT
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcasted
Planting Density @ 0.4 hectare	40000
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	6	1500	9000
Ploughing	MD	24	1500	36000
Maintain Trench	MD	6	1500	9000
Planting	MD	1	1500	1500
Weeding	MD	6	1500	9000
Pest Management	MD	5	1500	7500
Fertilising	MD	3	1500	4500
Harvesting	MD	23	1500	34500

Lunch	74	300	22200
SUBTOTAL			<u>\$133,200</u>

Material Inputs			
Planting Material			5000
Fertiliser			8000
Herbicide			5000

SUBTOTAL			<u>\$18,000</u>
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Other Costs			
Transportation (10 percent of material)			1800
Contingencies (10 percent of labour and material)			15120
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material) (15 percent of labour and material) (15 perce			22680
SUBTOTAL			<u>\$49,100</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$200,300</u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Temple hall
Crop	CABBAGE
Crop Maturity	2 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	21780
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)	7,727
Cost of Production \$/Kg	\$44

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	35	1500	52500
Maintain Trench	MD	5	1500	7500
Nursery Operations	MD	3	1500	4500
Transplanting	MD	22	1500	33000
Pest Management	MD	8	1500	12000
Weeding	MD	16	1500	24000
Fertilising	MD	4	1500	6000
Harvesting	MD	15	1500	22500

Lunch	116	300	34800
SUBTOTAL			<u><u>\$208,800</u></u>

Material Inputs			
Planting Material			6900
Fertiliser			12000
Insecticide			26000
Fungicide			4000
Herbicide			2500

SUBTOTAL			<u><u>\$51,400</u></u>
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Other Costs			
Transportation (10 percent of material)			5140
Contingencies (10 percent of labour and material)			26020
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material) (15 percent of labour and material) (15 perce			39030
SUBTOTAL			<u><u>\$79,690</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$339,890</u></u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Temple hall
Crop	TOMATO (PLUMMY)
Crop Maturity	4 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	60 x 120
Planting Density @ 0.4 hectare	5445
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)	7,727
Cost of Production \$/Kg	\$58

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	20	1500	30000
Harrowing	MD	10	1500	15000
Furrowing	MD	8	1500	12000
Maintain Trench	MD	5	1500	7500
Nursery Operations	MD	5	1500	7500
Transplanting	MD	8	1500	12000
Weeding	MD	16	1500	24000
Fertilising	MD	4	1500	6000
Harvesting	MD	18	1500	27000

Lunch		99	300	29700
SUBTOTAL				<u>\$178,200</u>

Material Inputs				
Planting Material (seedlings)				81675
Fertiliser				20000
Insecticide				32000
Fungicide				20000
Herbicide				6000

SUBTOTAL				<u>\$159,675</u>
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Other Costs				
Transportation (10 percent of material)				15967.5
Contingencies (10 percent of labour and material)				33787.5
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2500
Supervision (15 percent of labour and material) (15 percent of labour and material) (15 perce				50681.25
SUBTOTAL				<u>\$109,936</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$447,811</u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Salisbury Plain
Crop	YELLOW YAM
Crop Maturity	12 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	210 x 150
Planting Density @ 0.4 hectare	1245
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)	5,227
Cost of Production (\$/Kg)	\$72

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes/Plant	MD	32	1500	48000
Maintain Trench	MD	7	1500	10500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	6	1500	9000
Stake and Tie	MD	10	1500	15000
Weeding	MD	12	1500	18000
Fertilising	MD	3	1500	4500
Harvesting	MD	12	1500	18000

Lunch		91	500	45500
SUBTOTAL				<u>\$182,000</u>

Material Inputs				
*Planting Material	Dep. 5 yrs			50000
*Stakes	Dep. 5 yrs			30000
Fertiliser				15000
Herbicide				4500

SUBTOTAL				<u>\$99,500</u>
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Other Costs				
Transportation (10 percent of material)				9950
Contingencies (10 percent of labour and material)				28150
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material)				42225
SUBTOTAL				<u>\$97,325</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$378,825</u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Salisbury Plain
Crop	GINGER
Crop Maturity	7 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	30cm x 30cm
Planting Density @ 0.4 hectare	43560
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)	5,455
Cost of Production \$/Kg	\$93

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	2000	20000
Ploughing	MD	30	2000	60000
Furrowing	MD	10	2000	20000
Prepare Planting Material	MD	5	2000	10000
Planting	MD	7	2000	14000
Weeding	MD	30	2000	60000
Fertilising	MD	5	2000	10000
Harvesting	MD	30	2000	60000

Lunch	127	500	63500
SUBTOTAL			<u>\$317,500</u>

Material Inputs			
*Planting Material (5yr depr.)			25000
Fertiliser			42000
Fungicide			0
Herbicide			5500

SUBTOTAL			<u>\$72,500</u>
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Other Costs			
Transportation (10 percent of material)			7250
Contingencies (10 percent of labour and material)			39000
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			58500
SUBTOTAL			<u>\$116,750</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$506,750</u>

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

Parish	St. Ann
Extension Area	Browns Town
Crop	SWEET POTATO
Crop Maturity	5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
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)	2,955
Cost of Production \$/Kg	\$77

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Dig Holes	MD	20	2500	50000
Prepare Planting Material	MD	10	1500	15000
Planting	MD	6	1500	9000
Weeding	MD	14	1500	21000
Fertilising	MD	1	1500	1500
Harvesting	MD	6	1500	9000

Lunch	69	500	34500
SUBTOTAL			<u>\$158,000</u>

Material Inputs

*Planting Material (5yr depr.)	5000
Fertiliser	10000

SUBTOTAL	<u>\$15,000</u>
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Other Costs

Transportation (10 percent of material)	1500
Contingencies (10 percent of labour and material)	17300
**Tools discounted for 5 years	7000
Land Charges per crop cycle	1500
Supervision (15 percent of labour and material)	25950
SUBTOTAL	<u>\$53,250</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE	<u>\$226,250</u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Gordon Town
Crop	ESCALLION
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	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)	3,636
Cost of Production \$/Kg	\$121

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	2000	30000
Ploughing	MD	25	2000	50000
Harrowing	MD	10	2000	20000
Furrowing	MD	8	2000	16000
Planting	MD	10	2000	20000
Weeding	MD	12	2000	24000
Fertilising	MD	2	2000	4000
Harvesting	MD	33	2000	66000

Lunch	115	500	57500
SUBTOTAL			<u>\$287,500</u>

Material Inputs			
Planting Material			40000
Fertiliser			9500
Insecticide			0
Fungicide			0
Herbicide			0

SUBTOTAL			<u>\$49,500</u>
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Other Costs			
Transportation (10 percent of material)			4950
Contingencies (10 percent of labour and material)			33700
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material) (15 perce			50550
SUBTOTAL			<u>\$101,200</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$438,200</u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Gordon Town
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	10890
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	\$55

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	2000	16000
Ploughing	MD	15	2000	30000
Harrowing	MD	8	2000	16000
Dig Holes	MD	6	2000	12000
Nursery Operations	MD	4	2000	8000
Transplanting	MD	12	2000	24000
Pest Management	MD	12	2000	24000
Weeding	MD	8	2000	16000
Fertilising	MD	2	2000	4000
Harvesting	MD	16	2000	32000

Lunch	91	500	45500
SUBTOTAL			<u><u>\$227,500</u></u>

Material Inputs			
Planting Material			4500
Fertiliser			15000
Insecticide			12000
Fungicide			3500
Herbicide			3000

SUBTOTAL			<u><u>\$38,000</u></u>
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Other Costs			
Transportation (10 percent of material)			3800
Contingencies (10 percent of labour and material)			26550
**Tools discounted for 5 years			11667
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material) (15 percent of labour and material)			39825
SUBTOTAL			<u><u>\$86,842</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$352,342</u></u>

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

St. ANDREW

Parish	St. Andrew
Extension Area	Gordon Town
Crop	BROCCOLI
Crop Maturity	2.5 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	60cm x60cm
Planting Density @ 0.4 hectare	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)	3,409
Cost of Production \$/Kg	\$82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	2000	24000
Dig Holes	MD	8	2000	16000
Nursery Operations	MD	3	2000	6000
Transplanting	MD	4	2000	8000
Pest Management	MD	6	2000	12000
Weeding	MD	12	2000	24000
Fertilising	MD	1	2000	2000
Harvesting	MD	6	2000	12000

Lunch	52	500	26000
SUBTOTAL			<u>\$130,000</u>

Material Inputs			
Planting Material			27000
Fertiliser			25000
Insecticide			15000
Fungicide			7500
Herbicide			2200

SUBTOTAL			<u>\$76,700</u>
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Other Costs			
Transportation (10 percent of material)			7670
Contingencies (10 percent of labour and material)			20670
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7500
Supervision (15 percent of labour and material)			31005
SUBTOTAL			<u>\$73,845</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$280,545</u>

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

Back	Home	Forward
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Parish	St. Ann
Extension Area	Cave Valley
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	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)	6,818
Cost of Production \$/Kg	\$85

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	MD	25	1500	37500
Dig Holes	MD	12	1500	18000
Maintain Trench	MD	3	1500	4500
Planting	MD	3	1500	4500
Pest Management	MD	21	1500	31500
Fertilising	MD	1	1500	1500
Weeding	MD	8	1500	12000
Harvesting	MD	30	1500	45000

Lunch	109	500	54500
SUBTOTAL			<u><u>\$218,000</u></u>

Material Inputs			
Planting Material			104000
Fertiliser			59400
Fungicide			51000
Herbicide			5900

SUBTOTAL			<u><u>\$220,300</u></u>
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Other Costs			
Transportation (10 percent of material)			22030
Contingencies (10 percent of labour and material)			43830
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			65745
SUBTOTAL			<u><u>\$141,605</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$579,905</u></u>

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

Parish	St. Ann
Extension Area	Cave Valley
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈ 116000
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)	2,727
Cost of Production \$/Kg	\$65

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Ploughing	CW	10	2500	25000
Planting	MD	1	1500	1500
Pest Management	MD	8	1500	12000
Weeding	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Harvesting	MD	10	1500	15000

Lunch	38	500	19000
SUBTOTAL			<u>\$101,000</u>

Material Inputs			
Planting Material			3200
Fertiliser			15900
Fungicide			8100
Herbicide			3100

SUBTOTAL			<u>\$30,300</u>
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Other Costs			
Transportation (10 percent of material)			3030
Contingencies (10 percent of labour and material)			13130
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			19695
SUBTOTAL			<u>\$45,855</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$177,155</u>

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

Parish	St. Ann
Extension Area	Cave Valley
Crop	YELLOW YAM
Crop Maturity	10 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	150cm x 150cm
Planting Density @ 0.4 hectare	1742
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)	9,091
Cost of Production \$/Kg	\$38

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Make Mounds	CW	14	2500	35000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	4	1500	6000
Moulding	MD	5	1500	7500
Stake and Tie	MD	14	1500	21000
Weeding	MD	11	1500	16500
Harvesting	MD	20	1500	30000

Lunch	60	500	30000
SUBTOTAL			<u>\$155,000</u>

Material Inputs			
*Planting Material			18000
*Stakes (3yr depr.)			55000
Fertiliser			32000

SUBTOTAL			<u>\$105,000</u>
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Other Costs			
Transportation (10 percent of material)			10500
Contingencies (10 percent of labour and material)			26000
**Tools discounted for 5 years			7000
Land Charges per crop cycle			6000
Supervision (15 percent of labour and material)			39000
SUBTOTAL			<u>\$88,500</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$348,500</u>

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

Parish	St. Ann	Never planted on same land twice
Extension Area	Cave Valley	
Crop	GINGER	
Crop Maturity	10 Months	
Reaping Period	2.5 Months	
Planting Distance in cm (l x w)	30cm x 30cm	
Planting Density @ 0.4 hectare	21780	
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	\$102	

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	10	2500	25000
Ploughing	CW	10	2500	25000
Maintain Trench	MD	10	1500	15000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	25	1500	37500
Weeding	MD	35	1500	52500
Harvesting	MD	40	1500	60000

Lunch	115	500	57500
SUBTOTAL			<u><u>\$280,000</u></u>

Material Inputs

*Planting Material	18000
Fertiliser	42400
Fungicide	4200
Herbicide	8400

SUBTOTAL	<u><u>\$73,000</u></u>
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Other Costs

Transportation (10 percent of material)	7300
Contingencies (10 percent of labour and material)	35300
**Tools discounted for 5 years	7000
Land Charges per crop cycle	6000
Supervision (15 percent of labour and material)	52950
SUBTOTAL	<u><u>\$108,550</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE	<u><u>\$461,550</u></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 in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	6,818
Cost of Production \$/Kg	\$79

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	30	1500	45000
Furrowing	MD	10	1500	15000
Planting	MD	8	1500	12000
Pest Management	MD	12	1500	18000
Weeding	MD	15	1500	22500
Fertilising	MD	4	1500	6000
Harvesting	MD	20	1500	30000

Lunch	107	500	53500
SUBTOTAL			<u><u>\$214,000</u></u>

Material Inputs			
Planting Material			60000
Fertiliser			52000
Insecticide			45000
Fungicide			30000
Herbicide			7000

SUBTOTAL			<u><u>\$194,000</u></u>
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Other Costs			
Transportation (10 percent of material)			19400
Contingencies (10 percent of labour and material)			40800
**Tools discounted for 5 years			7000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			61200
SUBTOTAL			<u><u>\$132,400</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$540,400</u></u>

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

Parish	St. Ann
Extension Area	St. Ann's Bay
Crop	LETTUCE
Crop Maturity	2 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	5,455
Cost of Production \$/Kg	\$59

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	2500	10000
Ploughing	MD	8	2500	20000
Harrowing	MD	5	2500	12500
Furrowing	MD	5	2500	12500
Maintain Trench	MD	4	1500	6000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	10	1500	15000
Pest Management	MD	8	1500	12000
Weeding	MD	16	1500	24000
Fertilising	MD	3	1500	4500
Harvesting	MD	18	1500	27000

Lunch	83	500	41500
SUBTOTAL			<u>\$188,000</u>

Material Inputs			
Planting Material			8000
Fertiliser			28000
Insecticide			8400
Fungicide			9000
Herbicide			4000

SUBTOTAL			<u>\$57,400</u>
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Other Costs			
Transportation (10 percent of material)			5740
Contingencies (10 percent of labour and material)			24540
**Tools discounted for 5 years			7000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			36810
SUBTOTAL			<u>\$78,090</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$323,490</u>

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

Parish	St. Ann
Extension Area	St. Ann's Bay
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈ 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)	3,182
Cost of Production \$/Kg	\$62

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	MD	7	1500	10500
Maintain Trench	MD	5	1500	7500
Planting	MD	3	1500	4500
Pest Management	MD	4	1500	6000
Weeding	MD	8	1500	12000
Fertilising	MD	1	1500	1500
Harvesting	MD	12	1500	18000

Lunch	46	500	23000
SUBTOTAL			<u><u>\$92,000</u></u>

Material Inputs			
Planting Material			13200
Fertiliser			22400
Insecticide			7000
Fungicide			6100
Herbicide			5200

SUBTOTAL			<u><u>\$53,900</u></u>
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Other Costs			
Transportation (10 percent of material)			5390
Contingencies (10 percent of labour and material)			14590
**Tools discounted for 5 years			7000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			21885
SUBTOTAL			<u><u>\$52,865</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$198,765</u></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	8.5 Months
Planting Distance in cm (l x w)	150cm x 60cm
Planting Density @ 0.4 hectare	4356
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)	7,273
Cost of Production \$/Kg	\$72

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Dig Holes	CW	10	2000	20000
Nursery Operations	CW	5	2000	10000
Transplanting	MD	8	1500	12000
Pest Management	MD	20	1500	30000
Weeding	MD	30	1500	45000
Fertilising	MD	10	1500	15000
Pest Management	MD	20	1500	30000
Harvesting	MD	40	1500	60000
Lunch		133	500	66500
SUBTOTAL				<u><u>\$296,000</u></u>
Material Inputs				
Planting Material				2200
Fertiliser				60000
Insecticide				22000
Fungicide				12000
Herbicide				9000
SUBTOTAL				<u><u>\$105,200</u></u>
Other Costs				
Transportation (10 percent of material)				10520
Contingencies (10 percent of labour and material)				40120
**Tools discounted for 5 years				7000
Land Charges per crop cycle				8000
Supervision (15 percent of labour and material)				60180
SUBTOTAL				<u><u>\$125,820</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$527,020</u></u>

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

Parish	St. Ann
Extension Area	Moneague
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	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)	4,545
Cost of Production \$/Kg	\$61

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Ploughing	tractor	5	2500	12500
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	15	1500	22500
Pest Management	MD	4	1500	6000
Weeding	MD	8	1500	12000
Fertilising	MD	4	1500	6000
Harvesting	MD	20	1500	30000
Lunch		68	500	34000
SUBTOTAL				<u>\$158,500</u>
Material Inputs				
*Planting Material (5yr depr.)				5000
Fertiliser				26500
Insecticide				10875
Herbicide				9000
Baits				1000
SUBTOTAL				<u>\$52,375</u>
Other Costs				
Transportation (10 percent of material)				5238
Contingencies (10 percent of labour and material)				21088
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2500
Supervision (15 percent of labour and material)				31631
SUBTOTAL				<u>\$67,456</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$278,331</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	1.5 Months
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
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	\$86

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	CW	20	2500	50000
Furrowing	MD	6	1500	9000
Maintain Trench	MD	6	1500	9000
Planting	MD	8	1500	12000
Pest Management	MD	12	1500	18000
Fertilising	MD	6	1500	9000
Weeding	MD	4	1500	6000
Harvesting	MD	10	1500	15000
Lunch		50	300	15000
SUBTOTAL				<u><u>\$155,000</u></u>
Material Inputs				
Planting Material				81000
Fertiliser				37120
Insecticide				9000
Fungicide				3900
Herbicide				4500
SUBTOTAL				<u><u>\$135,520</u></u>
Other Costs				
Transportation (10 percent of material)				13552
Contingencies (10 percent of labour and material)				29052
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				43578
SUBTOTAL				<u><u>\$98,182</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$388,702</u></u>

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

Parish	St. Ann
Extension Area	Browns Town
Crop	HYBRID CORN
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 60cm
Planting Density @ 0.4 hectare	10890
Terrain	Relatively Flat Land Farm
Land Preparation	Semi-Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (doz.)	500 dozen
Cost of Production \$/dozen	\$285

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	5	2500	12500
Furrowing	tractor	3	2500	7500
Planting	MD	3	1500	4500
Pest Management	MD	4	1500	6000
Weeding	MD	12	1500	18000
Fertilising	MD	1	1500	1500
Harvesting	MD	2	1500	3000

Lunch	27	500	13500
SUBTOTAL			<u>\$74,000</u>

Material Inputs			
Planting Material			5600
Fertiliser			15900
Insecticide			5000
Fungicide			1000
Herbicide			2560

SUBTOTAL			<u>\$30,060</u>
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Other Costs			
Transportation (10 percent of material)			3006
Contingencies (10 percent of labour and material)			10406
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material)			15609
SUBTOTAL			<u>\$38,521</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$142,581</u>

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

Parish	St. Ann
Extension Area	Browns Town
Crop	SWEET POTATO
Crop Maturity	5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	12,000
Cost of Production \$/Kg	\$36

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Ploughing	tractor	5	2500	12500
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	10	1500	15000
Planting	MD	10	1500	15000
Pest Management	MD	20	1500	30000
Weeding	MD	20	1500	30000
Fertilising	MD	1	1500	1500
Harvesting	MD	60	1500	90000
Lunch		72	500	36000
SUBTOTAL				<u><u>\$268,000</u></u>
Material Inputs				
*Planting Material (5yr depr.)				5000
Fertiliser				8000
Insecticide				25000
Fungicide				3000
Herbicide				5350
Baits				1000
Water				15000
SUBTOTAL				<u><u>\$62,350</u></u>
Other Costs				
Transportation (10 percent of material)				6235
Contingencies (10 percent of labour and material)				33035
**Tools discounted for 5 years				7000
Land Charges per crop cycle				1500
Supervision (15 percent of labour and material)				49553
SUBTOTAL				<u><u>\$97,323</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$427,673</u></u>

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

Parish	St. Ann
Extension Area	Browns Town
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
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)	9,091
Cost of Production \$/Kg	\$29

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	CW	10	2000	20000
Harrowing	CW	10	2000	20000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	10	1500	15000
Pest Management	MD	10	1500	15000
Fertilising	MD	5	1500	7500
Harvesting	MD	8	1500	12000
Lunch		48	500	24000
SUBTOTAL				<u>\$136,000</u>
Material Inputs				
Planting Material				17000
Fertiliser				16000
Insecticide				25000
Fungicide				3000
Herbicide				4500
SUBTOTAL				<u>\$65,500</u>
Other Costs				
Transportation (10 percent of material)				6550
Contingencies (10 percent of labour and material)				20150
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2500
Supervision (15 percent of labour and material)				30225
SUBTOTAL				<u>\$66,425</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$267,925</u>

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

Parish	St. Ann
Extension Area	Claremont
Crop	PAK CHOI
Crop Maturity	2 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	45cm x 30cm
Planting Density @ 0.4 hectare	29040
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)	11,364
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	26	2000	52000
Dig Holes	MD	15	2000	30000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	15	1500	22500
Pest Management	MD	7	1500	10500
Fertilising	MD	2	1500	3000
Weeding	MD	15	1500	22500
Harvesting	MD	25	1500	37500
Lunch		120	500	60000
SUBTOTAL				<u>\$260,500</u>
Material Inputs				
Planting Material				4000
Fertiliser				52000
Insecticide				25000
Fungicide				14000
Herbicide				4200
SUBTOTAL				<u>\$99,200</u>
Other Costs				
Transportation (10 percent of material)				9920
Contingencies (10 percent of labour and material)				35970
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2500
Supervision (15 percent of labour and material)				53955
SUBTOTAL				<u>\$109,345</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$469,045</u>

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

Parish	St. Ann
Extension Area	Claremont
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
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	3	1500	4500
Ploughing	MD	10	2000	20000
Dig Holes	MD	10	2000	20000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	15	1500	22500
Pest Management	MD	10	1500	15000
Fertilising	MD	5	1500	7500
Weeding	MD	15	1500	22500
Harvesting	MD	25	1500	37500

Lunch	98	500	49000
SUBTOTAL			<u><u>\$206,000</u></u>

Material Inputs			
Planting Material			22500
Fertiliser			48000
Insecticide			22000
Fungicide			12000
Herbicide			3200

SUBTOTAL			<u><u>\$107,700</u></u>
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Other Costs			
Transportation (10 percent of material)			10770
Contingencies (10 percent of labour and material)			31370
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material)			47055
SUBTOTAL			<u><u>\$98,695</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$412,395</u></u>

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

Parish	St. Ann
Extension Area	Claremont
Crop	LETTUCE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	45cm x 30cm
Planting Density @ 0.4 hectare	29040
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)	9,091
Cost of Production \$/Kg	\$50

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	22	2000	44000
Dig Holes	MD	12	2000	24000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	11	1500	16500
Pest Management	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Weeding	MD	20	1500	30000
Harvesting	MD	20	1500	30000
Lunch		114	500	57000
SUBTOTAL				<u><u>\$245,000</u></u>
Material Inputs				
Planting Material				12000
Fertiliser				55000
Insecticide				18000
Fungicide				13000
Herbicide				4000
SUBTOTAL				<u><u>\$102,000</u></u>
Other Costs				
Transportation (10 percent of material)				10200
Contingencies (10 percent of labour and material)				34700
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2500
Supervision (15 percent of labour and material)				52050
SUBTOTAL				<u><u>\$106,450</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$453,450</u></u>

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

Back	Home	Forward
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Parish	St. Catherine
Extension Area	Linstead
Crop	SWEET CASSAVA
Crop Maturity	12 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	180cm x 120cm
Planting Density @ 0.4 hectare	1815
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)	9,318
Cost of Production \$/Kg	\$28

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	tractor	6	2500	15000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	8	1500	12000
Weeding	MD	15	1500	22500
Fertilising	MD	3	1500	4500
Harvesting	MD	28	1500	42000

Lunch	66	500	33000
SUBTOTAL			<u>\$167,000</u>

Material Inputs			
*Planting Material (5yr depr.)			5000
Fertiliser			18000
Herbicide			5650

SUBTOTAL			<u>\$28,650</u>
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Other Costs			
Transportation (10 percent of material)			2865
Contingencies (10 percent of labour and material)			19565
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision			29348
SUBTOTAL			<u>\$63,778</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$259,428</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Linstead
Crop	PINEAPPLE (SUGAR LOAF)
Crop Maturity	1.5 Years
Reaping Period	Indefinite
Planting Distance in cm (l x w)	30cm x 150cm
Planting Density @ 0.4 hectare	8712
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)	9,318
Cost of Production \$/Kg	\$34

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	tractor	6	2500	15000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	15	1500	22500
Weeding	MD	4	1500	6000
Fertilising	MD	1	1500	1500
Harvesting	MD	48	1500	72000

Lunch	78	500	39000
SUBTOTAL			<u>\$191,000</u>

Material Inputs			
*Planting Material (5yr depr.)			24000
Fertiliser			8170
Herbicide			4500
Insecticide			9500

SUBTOTAL			<u>\$46,170</u>
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Other Costs			
Transportation (10 percent of material)			4617
Contingencies (10 percent of labour and material)			23717
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision			35576
SUBTOTAL			<u>\$75,910</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$313,080</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Linstead
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	3 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	150cm x 120cm
Planting Density @ 0.4 hectare	2178
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)	4,545
Cost of Production \$/Kg	\$35

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	10	2500	25000
Harrowing	tractor	8	2500	20000
Furrowing	tractor	5	2500	12500
Planting	MD	4	1500	6000
Pest Management	MD	6	1500	9000
Weeding	MD	2	1500	3000
Fertilising	MD	1	1500	1500
Harvesting	MD	7	1500	10500

Lunch	24	500	12000
SUBTOTAL			<u>\$105,500</u>

Material Inputs			
Planting Material			4000
Fertiliser			2340
Insecticide			2200
Fungicide			1500
Herbicide			2500

SUBTOTAL			<u>\$12,540</u>
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Other Costs			
Transportation (10 percent of material)			1254
Contingencies (10 percent of labour and material)			11804
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision			17706
SUBTOTAL			<u>\$40,264</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$158,304</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Watermount
Crop	SWEET CASSAVA
Crop Maturity	9 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	120cm x 90cm
Planting Density @ 0.4 hectare	3630
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)	9,318
Cost of Production \$/Kg	\$42

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	30	1500	45000
Ploughing	CW	5	2500	12500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	7	1500	10500
Weeding	MD	30	1500	45000
Fertilising	MD	6	1500	9000
Harvesting	MD	60	1500	90000

Lunch	134	500	67000
SUBTOTAL			<u>\$280,500</u>

Material Inputs			
*Planting Material (5yr depr.)			6000
Fertiliser			10000
Herbicide			2400

SUBTOTAL			<u>\$18,400</u>
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Other Costs			
Transportation (10 percent of material)			1840
Contingencies (10 percent of labour and material)			29890
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision			44835
SUBTOTAL			<u>\$88,565</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$387,465</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Watermount
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈ 116000
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)	3,636
Cost of Production \$/Kg	\$61

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	MD	16	1500	24000
Harrowing	MD	6	1500	9000
Planting	MD	1	1500	1500
Pest Management	MD	2	1500	3000
Weeding	MD	14	1500	21000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch	65	500	32500
SUBTOTAL			<u>\$130,000</u>

Material Inputs			
Planting Material			12000
Fertiliser			20000
Herbicide			5600

SUBTOTAL			<u>\$37,600</u>
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Other Costs			
Transportation (10 percent of material)			3760
Contingencies (10 percent of labour and material)			16760
**Tools discounted for 5 years			7000
Land Charges per crop cycle			1500
Supervision (15 percent of labour and material)			25140
SUBTOTAL			<u>\$54,160</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$221,760</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Watermount
Crop	YELLOW YAM
Crop Maturity	10 Months
Reaping Period	2.5 Months
Planting Distance in cm (l x w)	210cm x 150cm
Planting Density @ 0.4 hectare	1245
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)	6,364
Cost of Production \$/Kg	\$53

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	16	1500	24000
Make Mounds	MD	16	1500	24000
Prepare Planting Material	MD	1	1500	1500
Planting	MD	2	1500	3000
Stake and Tie	MD	16	1500	24000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch	83	500	41500
SUBTOTAL			<u>\$166,000</u>

Material Inputs			
*Planting Material (5yr depr.)			25000
Fertiliser			35000
Herbicide			5000
Stakes (3yr depr.)			25000

SUBTOTAL			<u>\$90,000</u>
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Other Costs			
Transportation (10 percent of material)			9000
Contingencies (10 percent of labour and material)			25600
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision			38400
SUBTOTAL			<u>\$82,500</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$338,500</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Old Harbour
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈ 116000
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)	9,091
Cost of Production \$/Kg	\$29

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Ploughing	MD	20	1500	30000
Furrowing	MD	10	1500	15000
Planting	MD	2	1500	3000
Pest Management	MD	2	1500	3000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	25	1500	37500

Lunch	83	500	41500
SUBTOTAL			<u>\$166,000</u>

Material Inputs			
Planting Material			10000
Fertiliser			12000
Herbicide			16000

SUBTOTAL			<u>\$38,000</u>
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Other Costs			
Transportation (10 percent of material)			3800
Contingencies (10 percent of labour and material)			20400
**Tools discounted for 5 years			7000
Land Charges per crop cycle			1500
Supervision (15 percent of labour and material)			30600
SUBTOTAL			<u>\$63,300</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$267,300</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Old Harbour
Crop	PUMPKIN (NATIVE)
Crop Maturity	4 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	150cm x 210cm
Planting Density @ 0.4 hectare	1245
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)	4,545
Cost of Production \$/Kg	\$43

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	4	2500	10000
Furrowing	tractor	2	2500	5000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	1	1500	1500
Pest Management	MD	10	1500	15000
Weeding	MD	2	1500	3000
Fertilising	MD	1	1500	1500
Harvesting	MD	7	1500	10500

Lunch	27	500	13500
SUBTOTAL			<u>\$69,000</u>

Material Inputs			
Planting Material			2000
Fertiliser			25000
Insecticide			15000
Fungicide			7000
Herbicide			3600
Water			8000

SUBTOTAL			<u>\$60,600</u>
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Other Costs			
Transportation (10 percent of material)			6060
Contingencies (10 percent of labour and material)			12960
**Tools discounted for 5 years			27000
Land Charges per crop cycle			2500
Supervision			19440
SUBTOTAL			<u>\$67,960</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$197,560</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Old Harbour
Crop	OKRA
Crop Maturity	1.5 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	30cm x 150cm
Planting Density @ 0.4 hectare	8712
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	2,727
Cost of Production \$/Kg	\$82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	4	2500	10000
Furrowing	tractor	2	2500	5000
Lining Irrigation Hose	MD	1	1500	1500
Nursery Operations	MD	3	1500	4500
Planting	MD	9	1500	13500
Pest Management	MD	6	1500	9000
Weeding	MD	3	1500	4500
Fertilising	MD	2	1500	3000
Harvesting	CW	16	2000	32000

Lunch	44	500	22000
SUBTOTAL			<u>\$111,000</u>

Material Inputs			
Planting Material			2600
Fertiliser			13800
Insecticide			8000
Fungicide			5500
Herbicide			3000
Water			9000

SUBTOTAL			<u>\$41,900</u>
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Other Costs			
Transportation (10 percent of material)			4190
Contingencies (10 percent of labour and material)			15290
**Tools discounted for 5 years			27000
Land Charges per crop cycle			2500
Supervision			22935
SUBTOTAL			<u>\$71,915</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$224,815</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Peartree Grove
Crop	GUNGO PEA
Crop Maturity	10 Months
Reaping Period	2 Years
Planting Distance in cm (l x w)	210cm x 150cm
Planting Density @ 0.4 hectare	1245
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)	873
Cost of Production \$/Kg	\$272

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	20	1500	30000
Dig Holes	MD	8	1500	12000
Planting	MD	6	1500	9000
Pest Management	MD	6	1500	9000
Weeding	MD	30	1500	45000
Fertilising	MD	1	1500	1500
Harvesting (excluding shelling)	MD	10	1500	15000

Lunch	81	500	40500
SUBTOTAL			<u>\$162,000</u>

Material Inputs			
Planting Material			2000
Fertiliser			10000
Insecticide			2500
Herbicide			3750

SUBTOTAL			<u>\$18,250</u>
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Other Costs			
Transportation (10 percent of material)			1825
Contingencies (10 percent of labour and material)			18025
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			27038
SUBTOTAL			<u>\$56,888</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$237,138</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Peartree Grove
Crop	IRISH POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 90cm
Planting Density @ 0.4 hectare	14520
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,200
Projected Marketable Yield (Kg)	4,545
Cost of Production \$/Kg	\$81

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1200	9600
Ploughing	tractor	8	2500	20000
Furrowing	tractor	5	1200	6000
Planting	MD	8	1200	9600
Pest Management	MD	8	1200	9600
Weeding	MD	5	1200	6000
Fertilising	MD	2	1200	2400
Harvesting	MD	25	1200	30000

Lunch	56	500	28000
SUBTOTAL			<u>\$121,200</u>

Material Inputs			
Planting Material			80000
Fertiliser			45600
Insecticide			12000
Fungicide			10000
Herbicide			7000

SUBTOTAL			<u>\$154,600</u>
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Other Costs			
Transportation (10 percent of material)			15460
Contingencies (10 percent of labour and material)			27580
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision			41370
SUBTOTAL			<u>\$93,910</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$369,710</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Spanish Town
Crop	PUMPKIN (NATIVE)
Crop Maturity	3 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	240cm x 240cm
Planting Density @ 0.4 hectare	681
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)	11,364
Cost of Production \$/Kg	\$19

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	4	2500	10000
Harrowing	tractor	2	2500	5000
Furrowing	tractor	2	2500	5000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	2	1500	3000
Weeding	MD	4	1500	6000
Pest Management	MD	7	1500	10500
Fertilising	MD	2	1500	3000
Harvesting	MD	12	1500	18000

Lunch	31	500	15500
SUBTOTAL			<u>\$82,000</u>

Material Inputs			
Planting Material			1200
Fertiliser			18000
Insecticide			14000
Fungicide			16500
Herbicide			5500
Water			8000

SUBTOTAL			<u>\$63,200</u>
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Other Costs			
Transportation (10 percent of material)			6320
Contingencies (10 percent of labour and material)			14520
**Tools discounted for 5 years			27000
Land Charges per crop cycle			2500
Supervision			21780
SUBTOTAL			<u>\$72,120</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$217,320</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Spanish Town
Crop	SCOTCH BONNET PEPPER
Crop Maturity	3 Months
Reaping Period	6 Months
Planting Distance in cm (l x w)	60cm x 120cm
Planting Density @ 0.4 hectare	5445
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Fertigation
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	11,364
Cost of Production \$/Kg	\$49

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	3	2500	7500
Ploughing	tractor	5	2500	12500
Harrowing	tractor	3	2500	7500
Furrowing	tractor	3	2500	7500
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	9	1500	13500
Pest Management	MD	12	1500	18000
Fertilising	MD	3	1500	4500
Weeding	MD	10	1500	15000
Harvesting	MD	85	1500	127500
Lunch		123	500	61500
SUBTOTAL				<u><u>\$281,000</u></u>
Material Inputs				
Planting Material				1500
Fertiliser				75000
Insecticide				16000
Fungicide				15000
Herbicide				3000
Water				7500
Potting Mixture				
Seed Trays				
SUBTOTAL				<u><u>\$118,000</u></u>
Other Costs				
Transportation (10 percent of material)				11800
Contingencies (10 percent of labour and material)				39900
**Tools discounted for 5 years				27000
Land Charges per crop cycle				15000
Supervision				59850
SUBTOTAL				<u><u>\$153,550</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$552,550</u></u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Spanish Town
Crop	PAW-PAW
Crop Maturity	10 Months
Reaping Period	2 Years
Planting Distance in cm (l x w)	150cm x 180cm
Planting Density @ 0.4 hectare	1452
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)	18,182
Cost of Production \$/Kg	\$34

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	10	2500	25000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Planting	MD	4	1500	6000
Pest Management	MD	25	1500	37500
Fertilising	MD	5	1500	7500
Weeding	MD	28	1500	42000
Harvesting	MD	70	1500	105000

Lunch	148	300	44400
SUBTOTAL			<u><u>\$290,400</u></u>

Material Inputs			
Planting Material			15000
Fertiliser			26000
Insecticide			55000
Fungicide			43000
Herbicide			12000
Water			25000

SUBTOTAL			<u><u>\$176,000</u></u>
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Other Costs			
Transportation (10 percent of material)			17600
Contingencies (10 percent of labour and material)			46640
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision			69960
SUBTOTAL			<u><u>\$146,200</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$612,600</u></u>

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



St. CATHERINE

Parish	St. Catherine
Extension Area	Sligoville
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	15,909
Cost of Production \$/Kg	\$29

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	CW	15	2500	37500
Dig Holes	MD	15	1500	22500
Maintain Trench	MD	5	1500	7500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	12	1500	18000
Pest Management	MD	24	1500	36000
Weeding	MD	20	1500	30000
Fertilising	MD	2	1500	3000
Harvesting	MD	40	1500	60000
Lunch		132	500	66000
SUBTOTAL				<u><u>\$301,500</u></u>
Material Inputs				
Planting Material				20400
Fertiliser				15000
Insecticide				8000
Fungicide				4200
Herbicide				3500
SUBTOTAL				<u><u>\$51,100</u></u>
Other Costs				
Transportation (10 percent of material)				5110
Contingencies (10 percent of labour and material)				35260
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2500
Supervision				52890
SUBTOTAL				<u><u>\$102,760</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$455,360</u></u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Sligoville
Crop	TOMATO (PLUMMY)
Crop Maturity	3 Months
Reaping Period	5.5 Months
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
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)	15,909
Cost of Production \$/Kg	\$33

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	33	1500	49500
Dig Holes	MD	10	1500	15000
Planting	MD	8	1500	12000
Stake and Tie	MD	20	1500	30000
Weeding	MD	32	1500	48000
Fertilising	MD	4	1500	6000
Pest Management	MD	15	1500	22500
Harvesting	MD	25	1500	37500
Lunch		155	500	77500
SUBTOTAL				<u><u>\$310,000</u></u>
Material Inputs				
Planting Material				4400
Fertiliser				47000
Insecticide				30000
Fungicide				10000
Herbicide				8000
SUBTOTAL				<u><u>\$99,400</u></u>
Other Costs				
Transportation (10 percent of material)				9940
Contingencies (10 percent of labour and material)				40940
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2500
Supervision				61410
SUBTOTAL				<u><u>\$121,790</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$531,190</u></u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Sligoville
Crop	GINGER
Crop Maturity	12 Months
Reaping Period	2.5 Months
Planting Distance in cm (l x w)	45cm x 30cm
Planting Density @ 0.4 hectare	29040
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	\$66

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	17	1500	25500
Ploughing	CW	20	2500	50000
Furrowing	MD	10	1500	15000
Prepare Planting Material	MD	5	1500	7500
Planting	MD	10	1500	15000
Weeding	MD	40	1500	60000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch	104	500	52000
SUBTOTAL			<u><u>\$258,000</u></u>

Material Inputs			
*Planting Material (5yr depr.)			18000
Fertiliser			30000
Fungicide			0
Herbicide			14000

SUBTOTAL			<u><u>\$62,000</u></u>
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Other Costs			
Transportation (10 percent of material)			6200
Contingencies (10 percent of labour and material)			32000
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			48000
SUBTOTAL			<u><u>\$98,200</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$418,200</u></u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Kitson Town
Crop	CALLALOO
Crop Maturity	2.5 Months
Reaping Period	4.5 Months
Planting Distance in cm (l x w)	90cm x 30cm
Planting Density @ 0.4 hectare	14520
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)	7,200
Cost of Production \$/Kg	\$62

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	4	2000	8000
Ploughing	tractor	6	2500	15000
Furrowing	tractor	3	2500	7500
Lining Irrigation Hose	MD	2	1500	3000
Nursery Operations	MD	3	1500	4500
Transplanting	MD	6	1500	9000
Pest Management	MD	16	1500	24000
Weeding	MD	12	1500	18000
Fertilising	MD	5	1500	7500
Harvesting	MD	36	1500	54000

Lunch	80	500	40000
SUBTOTAL			<u>\$190,500</u>

Material Inputs			
Planting Material			90000
Fertiliser			15000
Insecticide			10200
Fungicide			2400
Herbicide			2500
Water			9500

SUBTOTAL			<u>\$129,600</u>
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Other Costs			
Transportation (10 percent of material)			12960
Contingencies (10 percent of labour and material)			32010
**Tools discounted for 5 years			27000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material) (15 percent of labour and material)			48015
SUBTOTAL			<u>\$124,985</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$445,085</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Kitson Town
Crop	SWEET CASSAVA
Crop Maturity	8 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	90cm x 90cm
Planting Density @ 0.4 hectare	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)	9,318
Cost of Production \$/Kg	\$41

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes	CW	35	2500	87500
Prepare Planting Material	MD	2	1500	3000
Planting	MD	5	1500	7500
Weeding	MD	9	1500	13500
Fertilising	MD	4	1500	6000
Harvesting	MD	60	1500	90000

Lunch	88	500	44000
SUBTOTAL			<u>\$263,500</u>

Material Inputs			
*Planting Material (5yr depr.)			6000
Fertiliser			20000
Herbicide			2400

SUBTOTAL			<u>\$28,400</u>
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Other Costs			
Transportation (10 percent of material)			2840
Contingencies (10 percent of labour and material)			29190
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision			43785
SUBTOTAL			<u>\$87,815</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$379,715</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Kitson Town
Crop	OKRA
Crop Maturity	1.5 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	2,727
Cost of Production \$/Kg	\$83

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	4	2500	10000
Furrowing	tractor	2	2500	5000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	5	1500	7500
Pest Management	MD	6	1500	9000
Weeding	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	16	1500	24000

Lunch	47	500	23500
SUBTOTAL			<u>\$109,000</u>

Material Inputs			
Planting Material			9000
Fertiliser			16500
Insecticide			4500
Fungicide			3200
Herbicide			4500
Water			8000

SUBTOTAL			<u>\$45,700</u>
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Other Costs			
Transportation (10 percent of material)			4570
Contingencies (10 percent of labour and material)			15470
**Tools discounted for 5 years			27000
Land Charges per crop cycle			2500
Supervision			23205
SUBTOTAL			<u>\$72,745</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$227,445</u>

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

St. CATHERINE

Parish	St. Catherine
Extension Area	Kitson Town
Crop	PUMPKIN (NATIVE)
Crop Maturity	3 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	240cm x 150cm
Planting Density @ 0.4 hectare	1089
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	5,455
Cost of Production \$/Kg	\$33

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	MD	10	1500	15000
Harrowing	MD	8	1500	12000
Planting	MD	2	1500	3000
Pest Management	MD	3	1500	4500
Weeding	MD	10	1500	15000
Fertilising	MD	1	1500	1500
Harvesting	MD	11	1500	16500

Lunch	49	500	24500
SUBTOTAL			<u>\$98,000</u>

Material Inputs			
Planting Material			2400
Fertiliser			10600
Insecticide			9000
Fungicide			3500
Herbicide			5000
Water			4000

SUBTOTAL			<u>\$34,500</u>
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Other Costs			
Transportation (10 percent of material)			3450
Contingencies (10 percent of labour and material)			13250
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision			19875
SUBTOTAL			<u>\$46,075</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$178,575</u>

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

Back	Home	Forward
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Parish	St. James
Extension Area	Maroon Town
Crop	PINEAPPLE (SUGAR LOAF)
Crop Maturity	10.5 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	120cm x 60cm
Planting Density @ 0.4 hectare	5445
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	\$49

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	2000	30000
Ploughing	CW	15	2500	37500
Furrowing	CW	8	2500	20000
Planting	MD	6	2000	12000
Weeding	MD	6	2000	12000
Pest Management	MD	4	2000	8000
Fertilising	MD	2	2000	4000
Fertilising	MD	2	2000	4000
Harvesting	MD	15	2000	30000

Lunch	50	500	25000
SUBTOTAL			<u>\$182,500</u>

Material Inputs			
Planting Material (5yr depr.)			32670
Fertiliser			40000
Herbicide			12000

SUBTOTAL			<u>\$84,670</u>
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Other Costs			
Transportation (10 percent of material)			8467
Contingencies (10 percent of labour and material)			26717
**Tools discounted for 5 years			7000
Land Charges per crop cycle			6000
Supervision (15 percent of labour and material)			40076
SUBTOTAL			<u>\$88,260</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$355,430</u>

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

St. JAMES

Parish	St. James
Extension Area	Maroon Town
Crop	GINGER
Crop Maturity	8 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	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	\$58

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	2000	30000
Ploughing	CW	20	2500	50000
Furrowing	CW	10	2500	25000
Prepare Planting Material	MD	8	2000	16000
Planting	MD	25	2000	50000
Pest Management	MD	3	2000	6000
Weeding	CW	35	2500	87500
Fertilising	MD	1	2000	2000
Harvesting	MD	50	2000	100000

Lunch		102	500	51000
SUBTOTAL				<u>\$417,500</u>

Material Inputs				
*Planting Material (5yr depr.)				42000
Fertiliser				32000
Fungicide				10000
Herbicide				4400

SUBTOTAL				<u>\$88,400</u>
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Other Costs				
Transportation (10 percent of material)				8840
Contingencies (10 percent of labour and material)				50590
**Tools discounted for 5 years				7000
Land Charges per crop cycle				6000
Supervision (15 percent of labour and material)				75885
SUBTOTAL				<u>\$148,315</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$654,215</u>

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

St. JAMES

Parish	St. James
Extension Area	Maroon Town
Crop	CABBAGE
Crop Maturity	2 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	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)	9,545
Cost of Production \$/Kg	\$46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	20	2000	40000
Ploughing	CW	10	2000	20000
Harrowing	CW	6	2000	12000
Furrowing	CW	6	2000	12000
Maintain Trench	MD	6	2000	12000
Nursery Operations	MD	5	2000	10000
Transplanting	MD	8	2000	16000
Pest Management	MD	8	2000	16000
Fertilising	MD	2	2000	4000
Weeding	MD	7	2000	14000
Harvesting	MD	25	2000	50000

Lunch	69	450	31050
SUBTOTAL			<u>\$237,050</u>

Material Inputs			
Planting Material			21200
Fertiliser			32000
Insecticide			25000
Fungicide			10000
Herbicide			4400

SUBTOTAL			<u>\$92,600</u>
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Other Costs			
Transportation (10 percent of material)			9260
Contingencies (10 percent of labour and material)			32965
**Tools discounted for 5 years			7000
Land Charges per crop cycle			6000
Supervision (15 percent of labour and material)			49448
SUBTOTAL			<u>\$104,673</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$434,323</u>

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

St. JAMES

Parish	St. James
Extension Area	Anchovy
Crop	CALLALOO
Crop Maturity	1.5 Months
Reaping Period	4 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,800
Projected Marketable Yield (Kg)	8,636
Cost of Production \$/Kg	\$56

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1800	18000
Ploughing	MD	15	1800	27000
Furrowing	MD	5	1800	9000
Planting	MD	5	1800	9000
Pest Management	MD	15	1800	27000
Weeding	MD	30	1800	54000
Fertilising	MD	6	1800	10800
Harvesting	MD	42	1800	75600

Lunch	128	500	64000
SUBTOTAL			<u><u>\$294,400</u></u>

Material Inputs			
Planting Material			2000
Fertiliser			44000
Insecticide			3500
Fungicide			1000
Herbicide			5500
Water			15000

SUBTOTAL			<u><u>\$71,000</u></u>
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Other Costs			
Transportation (10 percent of material)			7100
Contingencies (10 percent of labour and material)			36540
**Tools discounted for 5 years			19000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			54810
SUBTOTAL			<u><u>\$122,450</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$487,850</u></u>

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

St. JAMES

Parish	St. James
Extension Area	Anchovy
Crop	LETTUCE
Crop Maturity	1.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	8,182
Cost of Production \$/Kg	\$44

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	22	1500	33000
Furrowing	MD	12	1500	18000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	14	1500	21000
Pest Management	MD	6	1500	9000
Weeding	MD	7	1500	10500
Fertilising	MD	2	1500	3000
Harvesting	MD	15	1500	22500

Lunch	92	500	46000
SUBTOTAL			<u>\$184,000</u>

Material Inputs			
Planting Material			8000
Fertiliser			35000
Insecticide			10000
Fungicide			10000
Herbicide			9500
Water			14400

SUBTOTAL			<u>\$86,900</u>
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Other Costs			
Transportation (10 percent of material)			8690
Contingencies (10 percent of labour and material)			27090
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material)			40635
SUBTOTAL			<u>\$85,915</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$356,815</u>

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

St. JAMES

Parish	St. James
Extension Area	Anchovy
Crop	TOMATO (PLUMMY)
Crop Maturity	3 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	30cm x 90cm
Planting Density @ 0.4 hectare	14520
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,800
Projected Marketable Yield (Kg)	6,818
Cost of Production \$/Kg	\$61

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1800	9000
Ploughing	MD	9	2500	22500
Furrowing	MD	6	2500	15000
Nursery Operations	MD	2	1800	3600
Planting	MD	12	1800	21600
Stake and Tie	MD	10	1800	18000
Pest Management	MD	8	1800	14400
Fertilising	MD	8	1800	14400
Weeding	MD	10	1800	18000
Harvesting	MD	21	1800	37800

Lunch	91	500	45500
SUBTOTAL			<u><u>\$219,800</u></u>

Material Inputs			
Planting Material			8000
Fertiliser			28000
Stakes (3yr depr.)			8000
Herbicide			3500
Insecticide			18000
Fungicide			17900
Water			15000

SUBTOTAL			<u><u>\$98,400</u></u>
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Other Costs			
Transportation (10 percent of material)			9840
Contingencies (10 percent of labour and material)			31820
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material)			47730
SUBTOTAL			<u><u>\$98,890</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$417,090</u></u>

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

St. JAMES

Parish	St. James
Extension Area	Anchovy
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,800
Projected Marketable Yield (Kg)	8,182
Cost of Production \$/Kg	\$71

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1800	14400
Ploughing	MD	10	2500	25000
Furrowing	MD	7	2500	17500
Nursery Operations	MD	2	1800	3600
Planting	MD	20	1800	36000
Weeding	MD	16	1800	28800
Pest Management	MD	12	1800	21600
Fertilising	MD	6	1800	10800
Weeding	MD	20	1800	36000
Harvesting	MD	30	1800	54000

Lunch	131	500	65500
SUBTOTAL			<u><u>\$313,200</u></u>

Material Inputs			
Planting Material			33000
Fertiliser			56000
Insecticide			24000
Fungicide			6700
Herbicide			5600
Water			10000

SUBTOTAL			<u><u>\$135,300</u></u>
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Other Costs			
Transportation (10 percent of material)			13530
Contingencies (10 percent of labour and material)			44850
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material)			67275
SUBTOTAL			<u><u>\$ 135,155</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$583,655</u></u>

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

St. JAMES

Parish	St. James
Extension Area	Spring Mount
Crop	Banana
Crop Maturity	12 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	240cm x 240cm
Planting Density @ 0.4 hectare	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)	12,727
Cost of Production \$/Kg	\$33

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	2000	6000
Dig Holes	MD	14	2000	28000
Maintain Trench	MD	8	2000	16000
Prepare Planting Material	MD	2	2000	4000
Planting	MD	7	2000	14000
Pest Management	MD	5	2000	10000
Weeding	MD	10	2000	20000
Fertilising	MD	3	2000	6000
Harvesting	MD	25	2000	50000

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

Material Inputs			
*Planting Material (5 yr depr.)			7500
Fertiliser			60800
Insecticide			2100
Fungicide			18000
Herbicide			25000
Sleeves			13000

SUBTOTAL			<u>\$126,400</u>
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Other Costs			
Transportation (10 percent of material)			12640
Contingencies (10 percent of labour and material)			31890
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			47835
SUBTOTAL			<u>\$104,365</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$423,265</u>

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

St. JAMES

Parish	St. James
Extension Area	Spring Mount
Crop	Plantain
Crop Maturity	12 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	210cm x 210cm
Planting Density @ 0.4 hectare	889
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	\$37

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	2000	8000
Dig Holes	MD	10	2000	20000
Maintain Trench	MD	3	2000	6000
Prepare Planting Material	MD	1	2000	2000
Planting	MD	5	2000	10000
Pest Management	MD	2	2000	4000
Weeding	MD	12	2000	24000
Fertilising	MD	4	2000	8000
Harvesting	MD	11	2000	22000

Lunch	52	500	26000
SUBTOTAL			<u>\$130,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			7000
Fertiliser			67000
Insecticide			2100
Fungicide			6750
Herbicide			20500
Sleeves			17000

SUBTOTAL			<u>\$120,350</u>
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Other Costs			
Transportation (10 percent of material)			12035
Contingencies (10 percent of labour and material)			25035
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			37553
SUBTOTAL			<u>\$86,623</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$336,973</u>

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

St. JAMES

Parish	St. James
Extension Area	Catadupa
Crop	PINEAPPLE (COW BOY)
Crop Maturity	10 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	120cm x 60cm
Planting Density @ 0.4 hectare	5445
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	\$51

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	20	2500	50000
Ploughing	MD	15	2000	30000
Furrowing	MD	8	2000	16000
Maintain Trench	MD	6	2000	12000
Planting	MD	10	2000	20000
Weeding	MD	20	2000	40000
Fertilising	MD	4	2000	8000
Harvesting	MD	25	2000	50000

Lunch	88	500	44000
SUBTOTAL			<u>\$270,000</u>

Material Inputs			
*Planting Material (5yr depr.)			30000
Fertiliser			35000
Herbicide			12500

SUBTOTAL			<u>\$77,500</u>
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Other Costs			
Transportation (10 percent of material)			7750
Contingencies (10 percent of labour and material)			34750
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			52125
SUBTOTAL			<u>\$111,625</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$459,125</u>

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

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Parish	St. Mary
Extension Area	Highgate
Crop	PINEAPPLE (SUGAR LOAF)
Crop Maturity	1 Year
Reaping Period	Indefinite
Planting Distance in cm (l x w)	60cm x 150cm
Planting Density @ 0.4 hectare	4356
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)	4,091
Cost of Production \$/Kg	\$70

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	12	1500	18000
Harrowing	MD	8	1500	12000
Furrowing	MD	5	1500	7500
Prepare Planting Material	MD	2	1500	3000
Planting	MD	15	1500	22500
Weeding	MD	12	1500	18000
Fertilising	MD	3	1500	4500
Harvesting	MD	15	1500	22500

Lunch	80	500	40000
SUBTOTAL			<u>\$160,000</u>

Material Inputs

*Planting Material (5yr depr.)	20000
Fertiliser	26400
Herbicide	8100

SUBTOTAL	<u>\$54,500</u>
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Other Costs

Transportation (10 percent of material)	5450
Contingencies (10 percent of labour and material)	21450
**Tools discounted for 5 years	7000
Land Charges per crop cycle	5000
Supervision	32175
SUBTOTAL	<u>\$71,075</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE	<u>\$285,575</u>

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

St. MARY

Parish	St. Mary
Extension Area	Highgate
Crop	PAW-PAW
Crop Maturity	9 Months
Reaping Period	1.5 Years
Planting Distance in cm (l x w)	240x 210
Planting Density @ 0.4 hectare	778
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)	11,364
Cost of Production (\$/Kg)	\$47

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Dig Holes	CW	3	2500	7500
Prepare Planting Material	MD	1	1500	1500
Planting	MD	12	1500	18000
Pest Management	MD	25	2000	50000
Weeding	MD	25	1500	37500
Fertilising	MD	13	1500	19500
Harvesting	MD	75	1500	112500

Lunch	153	500	76500
SUBTOTAL			<u><u>\$326,000</u></u>

Material Inputs			
Planting Material			8000
Fertiliser			38500
Insecticide			9300
Fungicide			5600
Herbicide			5500

SUBTOTAL			<u><u>\$66,900</u></u>
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Other Costs			
Transportation (10 percent of material)			6690
Contingencies (10 percent of labour and material)			39290
**Tools discounted for 5 years			27000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			58935
SUBTOTAL			<u><u>\$141,915</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$534,815</u></u>

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

St. MARY

Parish	St. Mary
Extension Area	Highgate
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
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)	6,818
Cost of Production \$/Kg	\$60

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	13	1500	19500
Ploughing	CW	10	2500	25000
Maintain Trench	MD	4	1500	6000
Planting	MD	5	1500	7500
Pest Management	MD	10	1500	15000
Weeding	MD	25	1500	37500
Fertilising	MD	4	1500	6000
Harvesting	MD	30	1500	45000

Lunch	91	300	27300
SUBTOTAL			<u>\$188,800</u>

Material Inputs			
Planting Material			55000
Fertiliser			48000
Insecticide			5600
Fungicide			4900
Herbicide			5500

SUBTOTAL			<u>\$119,000</u>
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Other Costs			
Transportation (10 percent of material)			11900
Contingencies (10 percent of labour and material)			30780
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			46170
SUBTOTAL			<u>\$100,850</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$408,650</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	2.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	90cm x 30cm
Planting Density @ 0.4 hectare	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)	13,636
Cost of Production \$/Kg	\$47

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	13	1500	19500
Ploughing	CW	12	2500	30000
Maintain Trench	MD	15	1500	22500
Planting	MD	7	1500	10500
Moulding	CW	12	2500	30000
Pest Management	MD	24	1500	36000
Weeding	MD	5	1500	7500
Fertilising	MD	3	1500	4500
Harvesting	MD	30	1500	45000

Lunch	121	300	36300
SUBTOTAL			<u>\$241,800</u>

Material Inputs			
Planting Material			110000
Fertiliser			50000
Insecticide			35000
Fungicide			35000
Herbicide			11200

SUBTOTAL			<u>\$241,200</u>
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Other Costs			
Transportation (10 percent of material)			24120
Contingencies (10 percent of labour and material)			48300
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			72450
SUBTOTAL			<u>\$156,870</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$639,870</u>

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

St. MARY

Parish	St. Mary
Extension Area	Carron hall
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
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)	9,091
Cost of Production \$/Kg	\$26

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	MD	7	1500	10500
Furrowing	MD	5	1500	7500
Planting	MD	10	1500	15000
Pest Management	MD	8	1500	12000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	15	1500	22500

Lunch	60	300	18000
SUBTOTAL			<u>\$108,000</u>

Material Inputs			
Planting Material			10000
Fertiliser			31200
Insecticide			14400
Fungicide			4400
Herbicide			5200

SUBTOTAL			<u>\$65,200</u>
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Other Costs			
Transportation (10 percent of material)			6520
Contingencies (10 percent of labour and material)			17320
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			25980
SUBTOTAL			<u>\$61,820</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$235,020</u>

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

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St. MARY

Parish	St. Mary
Extension Area	Carron hall
Crop	TOMATO (SLICING)
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 90cm
Planting Density @ 0.4 hectare	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)	2,727
Cost of Production \$/Kg	\$93

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	MD	10	1500	15000
Dig Holes/Plant	MD	10	1500	15000
Stake and Tie	MD	9	1500	13500
Pest Management	MD	6	1500	9000
Weeding	MD	2	1500	3000
Fertilising	MD	2	1500	3000
Harvesting	MD	12	1500	18000

Lunch	54	300	16200
SUBTOTAL			<u>\$97,200</u>

Material Inputs			
Planting Material			33000
Fertiliser			31000
Insecticide			7500
Herbicide			10400
Cord			8000

SUBTOTAL			<u>\$89,900</u>
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Other Costs			
Transportation (10 percent of material)			8990
Contingencies (10 percent of labour and material)			18710
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			28065
SUBTOTAL			<u>\$67,765</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$254,865</u>

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

St. MARY

Parish	St. Mary
Extension Area	Gayle
Crop	TOMATO (PLUMMY)
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	90cm x 60cm
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,300
Projected Marketable Yield (Kg)	6,818
Cost of Production \$/Kg	\$65

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1300	2600
Ploughing	tractor	6	2500	15000
Harrowing	tractor	6	2500	15000
Furrowing	tractor	4	2500	10000
Mulching	MD	3	1300	3900
Nursery Operations	MD	2	1300	2600
Transplanting	MD	15	1300	19500
Stake and Tie	MD	15	1300	19500
Pest Management	MD	24	1300	31200
Weeding	MD	30	1300	39000
Fertilising	MD	5	1300	6500
Harvesting	MD	35	1300	45500
Lunch		131	300	39300
SUBTOTAL				<u><u>\$249,600</u></u>
Material Inputs				
Planting Material				2500
Fertiliser				51000
Insecticide				8600
Fungicide				16800
Herbicide				10000
SUBTOTAL				<u><u>\$88,900</u></u>
Other Costs				
Transportation (10 percent of material)				8890
Contingencies (10 percent of labour and material)				33850
**Tools discounted for 5 years				7000
Land Charges per crop cycle				5000
Supervision (15 percent of labour and material)				50775
SUBTOTAL				<u><u>\$105,515</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$444,015</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	3.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 30cm
Planting Density @ 0.4 hectare	21780
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,300
Projected Marketable Yield (Kg)	8,182
Cost of Production \$/Kg	\$54

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	3	1300	3900
Ploughing	tractor	4	2500	10000
Harrowing	tractor	3	2500	7500
Furrowing	tractor	3	2500	7500
Moulding	MD	28	1300	36400
Planting	MD	8	1300	10400
Pest Management	MD	2	1300	2600
Weeding	MD	2	1300	2600
Fertilising	MD	8	1300	10400
Harvesting	MD	24	1300	31200

Lunch	72	300	21600
SUBTOTAL			<u>\$144,100</u>

Material Inputs			
Planting Material			86400
Fertiliser			39200
Insecticide			43000
Fungicide			14000
Herbicide			3600

SUBTOTAL			<u>\$186,200</u>
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Other Costs			
Transportation (10 percent of material)			18620
Contingencies (10 percent of labour and material)			33030
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			49545
SUBTOTAL			<u>\$113,195</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$443,495</u>

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

St. MARY

Parish	St. Mary
Extension Area	Gayle
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	150cm x 150cm
Planting Density @ 0.4 hectare	1742
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
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	\$24

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1300	2600
Ploughing	tractor	6	2500	15000
Furrowing	tractor	4	2500	10000
Planting	MD	3	1300	3900
Pest Management	MD	2	1300	2600
Weeding	MD	2	1300	2600
Fertilising	MD	2	1300	2600
Harvesting	MD	6	1300	7800

Lunch	27	300	8100
SUBTOTAL			<u>\$55,200</u>

Material Inputs			
Planting Material			1500
Fertiliser			12000
Insecticide			1500
Fungicide			2700
Herbicide			3800

SUBTOTAL			<u>\$21,500</u>
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Other Costs			
Transportation (10 percent of material)			2150
Contingencies (10 percent of labour and material)			7670
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			11505
SUBTOTAL			<u>\$33,325</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$110,025</u>

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

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St. MARY

Parish	St. Mary
Extension Area	Port Maria
Crop	HORSE PLANTAIN
Crop Maturity	9 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	210cm x 240cm
Planting Density @ 0.4 hectare	778
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)	8,636
Cost of Production \$/Kg	\$29

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	7	1500	10500
Dig Holes	CW	15	2500	37500
Planting	CW	15	2500	37500
Pest Management	MD	3	1500	4500
Pruning	MD	6	1500	9000
Weeding	MD	5	1500	7500
Fertilising	MD	8	1500	12000
Harvesting	MD	12	1500	18000

Lunch	34	500	17000
SUBTOTAL			<u>\$153,500</u>

Material Inputs			
*Planting Material (5 yr depr.)			5000
Fertiliser			25000
Insecticide			2500
Herbicide			4000

SUBTOTAL			<u>\$36,500</u>
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Other Costs			
Transportation (10 percent of material)			3650
Contingencies (10 percent of labour and material)			19000
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2000
Supervision (15 percent of labour and material)			28500
SUBTOTAL			<u>\$60,150</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$250,150</u>

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

St. MARY

Parish	St. Mary
Extension Area	Port Maria
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	90cm x 30cm
Planting Density @ 0.4 hectare	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)	9,091
Cost of Production \$/Kg	\$66

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	12	1500	18000
Ploughing	CW	12	2500	30000
Harrowing	CW	8	2500	20000
Furrowing	CW	6	2500	15000
Planting	MD	20	1500	30000
Pest Management	MD	12	1500	18000
Weeding	MD	6	1500	9000
Fertilising	MD	6	1500	9000
Harvesting	MD	25	1500	37500

Lunch	81	500	40500
SUBTOTAL			<u><u>\$227,000</u></u>

Material Inputs			
Planting Material			56000
Fertiliser			70000
Insecticide			50000
Fungicide			45000
Herbicide			4240

SUBTOTAL			<u><u>\$225,240</u></u>
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Other Costs			
Transportation (10 percent of material)			22524
Contingencies (10 percent of labour and material)			45224
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			67836
SUBTOTAL			<u><u>\$147,584</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$599,824</u></u>

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

St. MARY

Parish	St. Mary
Extension Area	Oracabessa
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	6,818
Cost of Production \$/Kg	\$55

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	MD	15	1500	22500
Furrowing	MD	10	1500	15000
Planting	MD	5	1500	7500
Pest Management	MD	11	1500	16500
Weeding	MD	10	1500	15000
Fertilising	MD	1	1500	1500
Harvesting	MD	10	1500	15000

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

Material Inputs			
Planting Material			70000
Fertiliser			30000
Insecticide			15000
Fungicide			15000
Herbicide			12500

SUBTOTAL			<u>\$142,500</u>
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Other Costs			
Transportation (10 percent of material)			14250
Contingencies (10 percent of labour and material)			28050
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3500
Supervision (15 percent of labour and material)			42075
SUBTOTAL			<u>\$94,875</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$375,375</u>

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

St. MARY

Parish	St. Mary
Extension Area	Oracabessa
Crop	SCOTCH BONNET PEPPER
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance in cm (l x w)	60cm x 150cm
Planting Density @ 0.4 hectare	4356
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	\$78

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes	MD	8	1500	12000
Maintain Trench	MD	4	1500	6000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	12	1500	18000
Pest Management	MD	40	1500	60000
Weeding	MD	9	1500	13500
Fertilising	MD	8	1500	12000
Harvesting	MD	60	1500	90000

Lunch	154	500	77000
SUBTOTAL			<u>\$308,000</u>
Material Inputs			
Planting Material			4400
Fertiliser			45000
Insecticide			50000
Fungicide			52000
Herbicide			6000
Potting Mixture			9000
Seed Trays			2500
SUBTOTAL			<u>\$168,900</u>
Other Costs			
Transportation (10 percent of material)			16890
Contingencies (10 percent of labour and material)			47690
**Tools discounted for 5 years			7000
Land Charges per crop cycle			20000
Supervision (15 percent of labour and material)			71535
SUBTOTAL			<u>\$163,115</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$640,015</u>

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

St. MARY

Parish	St. Mary
Extension Area	Oracabessa
Crop	HORSE PLANTAIN
Crop Maturity	9 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	240cm x 240cm
Planting Density @ 0.4 hectare	681
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)	9,281
Cost of Production \$/Kg	\$28

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	MD	20	1500	30000
Maintain Trench	MD	4	1500	6000
Prepare Planting Material	MD	3	1500	4500
Planting	MD	2	1500	3000
Pruning	MD	3	1500	4500
Pest Management	MD	4	1500	6000
Weeding	MD	4	1500	6000
Fertilising	MD	2	1500	3000
Harvesting	MD	14	1500	21000

Lunch	60	500	30000
SUBTOTAL			<u>\$120,000</u>

Material Inputs			
*Planting Material (5 yr depr)			4764
Fertiliser			25000
Insecticide			12000
Fungicide			22000
Herbicide			7500

SUBTOTAL			<u>\$71,264</u>
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Other Costs			
Transportation (10 percent of material)			7126
Contingencies (10 percent of labour and material)			19126
**Tools discounted for 5 years			7000
Land Charges per crop cycle			7000
Supervision (15 percent of labour and material)			28690
SUBTOTAL			<u>\$68,943</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$260,207</u>

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

Back	Home	Forward
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Parish	St. Thomas
Extension Area	Yallahs
Crop	CUCUMBER
Crop Maturity	1.5 Months
Reaping Period	6 Months
Planting Distance in cm (l x w)	90cm x 60cm
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Semi-Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	6,818
Cost of Production \$/Kg	\$47

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	tractor	6	2500	15000
Harrowing	tractor	4	2500	10000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	5	1500	7500
Pest Management	MD	18	1500	27000
Weeding	CW	10	2000	20000
Fertilising	MD	2	1500	3000
Harvesting	MD	32	1500	48000

Lunch	67	500	33500
SUBTOTAL			<u>\$179,000</u>

Material Inputs			
Planting Material			10000
Fertiliser			25000
Insecticide			3660
Herbicide			9000
Water			8000

SUBTOTAL			<u>\$55,660</u>
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Other Costs			
Transportation (10 percent of material)			5566
Contingencies (10 percent of labour and material)			23466
**Tools discounted for 5 years			19000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			35199
SUBTOTAL			<u>\$86,231</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$320,891</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Yallahs
Crop	OKRA
Crop Maturity	1.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 90cm
Planting Density @ 0.4 hectare	14520
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)	5,909
Cost of Production \$/Kg	\$50

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	6	2500	15000
Harrowing	tractor	4	2500	10000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	12	1500	18000
Pest Management	MD	14	1500	21000
Weeding	CW	10	2000	20000
Fertilising	MD	2	1500	3000
Harvesting	MD	24	1500	36000
Lunch		61	500	30500
SUBTOTAL				<u>\$167,000</u>
Material Inputs				
Planting Material				8400
Fertiliser				23000
Insecticide				4000
Fungicide				1600
Herbicide				3200
Water				8000
SUBTOTAL				<u>\$48,200</u>
Other Costs				
Transportation (10 percent of material)				4820
Contingencies (10 percent of labour and material)				21520
**Tools discounted for 5 years				19000
Land Charges per crop cycle				3000
Supervision (15 percent of labour and material)				32280
SUBTOTAL				<u>\$80,620</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$295,820</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Yallahs
Crop	ONION
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	.3 x 30
Planting Density @ 0.4 hectare	145200
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)	6,818
Cost of Production \$/Kg	\$63

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Ploughing	tractor	4	2500	10000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	4	1500	6000
Pest Management	MD	18	1500	27000
Weeding	CW	16	2000	32000
Fertilising	MD	2	1500	3000
Harvesting	MD	35	1500	52500

Lunch	76	500	38000
SUBTOTAL			<u><u>\$214,000</u></u>

Material Inputs			
Planting Material			18000
Fertiliser			30000
Insecticide			8000
Fungicide			5500
Herbicide			12200
Water			10000

SUBTOTAL			<u><u>\$83,700</u></u>
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Other Costs			
Transportation (10 percent of material)			8370
Contingencies (10 percent of labour and material)			29770
**Tools discounted for 5 years			47000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			44655
SUBTOTAL			<u><u>\$133,795</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$431,495</u></u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Cedar valley
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	9,318
Cost of Production \$/Kg	\$35

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	18	1500	27000
Furrowing	MD	10	1500	15000
Nursery Operations	MD	5	1500	7500
Transplanting	MD	10	1500	15000
Pest Management	MD	6	1500	9000
Weeding	MD	15	1500	22500
Fertilising	MD	2	1500	3000
Harvesting	MD	25	1500	37500
Lunch		101	500	50500
SUBTOTAL				<u><u>\$202,000</u></u>
Material Inputs				
Planting Material				12000
Fertiliser				25000
Insecticide				3500
Fungicide				2500
Herbicide				4000
SUBTOTAL				<u><u>\$47,000</u></u>
Other Costs				
Transportation (10 percent of material)				4700
Contingencies (10 percent of labour and material)				24900
**Tools discounted for 5 years				7000
Land Charges per crop cycle				3000
Supervision (15 percent of labour and material)				37350
SUBTOTAL				<u><u>\$76,950</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$325,950</u></u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Cedar valley
Crop	CARROT
Crop Maturity	3.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈ 116000
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)	4,455
Cost of Production \$/Kg	\$59

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Ploughing	MD	20	1500	30000
Planting	MD	1	1500	1500
Weeding	MD	25	1500	37500
Fertilising	MD	1	1500	1500
Harvesting	MD	28	1500	42000

Lunch	90	500	45000
SUBTOTAL			<u>\$180,000</u>

Material Inputs			
Planting Material			5600
Fertiliser			15000
Insecticide			0
Fungicide			0
Herbicide			0

SUBTOTAL			<u>\$20,600</u>
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Other Costs			
Transportation (10 percent of material)			2060
Contingencies (10 percent of labour and material)			20060
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			30090
SUBTOTAL			<u>\$62,210</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$262,810</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Cedar valley
Crop	GUNGO PEA
Crop Maturity	1 Year
Reaping Period	2 Years
Planting Distance in cm (l x w)	210cm x 150cm
Planting Density @ 0.4 hectare	1245
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Rainfed
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,200
Projected Marketable Yield (Kg)	873
Cost of Production \$/Kg	\$251

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	16	1200	19200
Ploughing	MD	12	1200	14400
Dig Holes/Plant	MD	10	1200	12000
Weeding	MD	30	1200	36000
Fertilising	MD	2	1200	2400
Harvesting	MD	20	1200	24000

Lunch	90	500	45000
SUBTOTAL			<u>\$153,000</u>

Material Inputs			
Planting Material			1400
Fertiliser			12000
Insecticide			0
Herbicide			0

SUBTOTAL			<u>\$13,400</u>
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Other Costs			
Transportation (10 percent of material)			1340
Contingencies (10 percent of labour and material)			16640
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			24960
SUBTOTAL			<u>\$52,940</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$219,340</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Seaforth
Crop	PUMPKIN (BODLES GLOBE)
Crop Maturity	3.5 Months
Reaping Period	2.5 Months
Planting Distance in cm (l x w)	300cm x 180cm
Planting Density @ 0.4 hectare	726
Terrain	Relatively Flat Land Farm
Land Preparation	Mechanical
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,200
Projected Marketable Yield (Kg)	6,818
Cost of Production \$/Kg	\$27

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1200	1200
Ploughing	tractor	6	2500	15000
Furrowing	tractor	4	2500	10000
Lining Irrigation Hose	MD	2	1200	2400
Planting	MD	2	1200	2400
Pest Management	MD	5	1200	6000
Weeding	MD	8	1200	9600
Fertilising	MD	3	1200	3600
Harvesting	MD	15	1200	18000
Lunch		36	400	14400
SUBTOTAL				<u>\$82,600</u>
Material Inputs				
Planting Material				2500
Fertiliser				18500
Insecticide				24000
Fungicide				750
Herbicide				2000
Water				5000
SUBTOTAL				<u>\$52,750</u>
Other Costs				
Transportation (10 percent of material)				5275
Contingencies (10 percent of labour and material)				13535
**Tools discounted for 5 years				7000
Land Charges per crop cycle				3000
Supervision (15 percent of labour and material)				20303
SUBTOTAL				<u>\$49,113</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$184,463</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Seaforth
Crop	CALLALOO
Crop Maturity	1.5 Months
Reaping Period	4 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	10,000
Cost of Production \$/Kg	\$27

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1200	18000
Ploughing	tractor	4	2500	10000
Harrowing	tractor	4	2500	10000
Lining Irrigation Hose	MD	3	1200	3600
Nursery Operations	MD	3	1200	3600
Transplanting	MD	12	1200	14400
Pest Management	MD	4	1200	4800
Weeding	MD	15	1200	18000
Fertilising	MD	4	1200	4800
Harvesting	MD	15	1200	18000

Lunch	71	400	28400
SUBTOTAL			<u>\$133,600</u>

Material Inputs			
Planting Material			960
Fertiliser			36000
Insecticide			7700
Fungicide			1800
Herbicide			1400
Water			3000

SUBTOTAL			<u>\$50,860</u>
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Other Costs			
Transportation (10 percent of material)			5086
Contingencies (10 percent of labour and material)			18446
**Tools discounted for 5 years			27000
Land Charges per crop cycle			4500
Supervision (15 percent of labour and material)			27669
SUBTOTAL			<u>\$82,701</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$267,161</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Bath
Crop	PINEAPPLE (SUGAR LOAF)
Crop Maturity	12.5 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	120cm x 60cm
Planting Density @ 0.4 hectare	5445
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)	11,364
Cost of Production \$/Kg	\$28

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	9	1500	13500
Ploughing	MD	20	1500	30000
Prepare Planting Material	MD	7	1500	10500
Planting	MD	8	1500	12000
Pest Management	MD	10	1500	15000
Weeding	MD	24	1500	36000
Harvesting	MD	15	1500	22500

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

Material Inputs			
Planting Material (Depreciated @ 20% for 5 years)			54450
Herbicide			4350

SUBTOTAL			<u>\$58,800</u>
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Other Costs			
Transportation (10 percent of material)			5880
Contingencies (10 percent of labour and material)			24480
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			36720
SUBTOTAL			<u>\$77,080</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$321,880</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Bath
Crop	GINGER
Crop Maturity	9 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	15cm x 60cm
Planting Density @ 0.4 hectare	43560
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)	6,818
Cost of Production \$/Kg	\$60

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	4	2500	10000
Harrowing	tractor	2	2500	5000
Furrowing	tractor	4	2500	10000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	28	1500	42000
Pest Management	MD	4	1500	6000
Weeding	MD	11	1500	16500
Fertilising	MD	6	1500	9000
Harvesting	MD	30	1500	45000
Lunch		86	500	43000
SUBTOTAL				<u>\$197,000</u>
Material Inputs				
Planting Material (Depreciated @ 20% for 5 years)				70000
Fertiliser				24000
Insecticide				5000
Fungicide				2000
Herbicide				13000
SUBTOTAL				<u>\$114,000</u>
Other Costs				
Transportation (10 percent of material)				11400
Contingencies (10 percent of labour and material)				31100
**Tools discounted for 5 years				7000
Land Charges per crop cycle				3000
Supervision (15 percent of labour and material)				46650
SUBTOTAL				<u>\$99,150</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$410,150</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Bath
Crop	CALLALOO
Crop Maturity	1 Month
Reaping Period	6 Months
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	11,364
Cost of Production \$/Kg	\$28

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	14	1500	21000
Nursery Operations	MD	2	1500	3000
Transplanting	MD	15	1500	22500
Pest Management	MD	25	1500	37500
Weeding	MD	15	1500	22500
Fertilising	MD	4	1500	6000
Harvesting	MD	15	1500	22500

Lunch	98	500	49000
SUBTOTAL			<u>\$196,000</u>

Material Inputs			
Planting Material			3000
Fertiliser			32000
Herbicide			10000

SUBTOTAL			<u>\$45,000</u>
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Other Costs			
Transportation (10 percent of material)			4500
Contingencies (10 percent of labour and material)			24100
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			36150
SUBTOTAL			<u>\$74,750</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$315,750</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Morant Bay
Crop	HORSE PLANTAIN
Crop Maturity	10 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	240cm x 270cm
Planting Density @ 0.4 hectare	605
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)	7,727
Cost of Production \$/Kg	\$23

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	7	1500	10500
Dig Holes	MD	5	1500	7500
Maintain Trench	MD	5	1500	7500
Prepare Planting Material	MD	2	1500	3000
Planting	MD	5	1500	7500
Weeding	MD	4	1500	6000
Fertilising	MD	8	1500	12000
Harvesting	MD	12	1500	18000

Lunch	41	500	20500
SUBTOTAL			<u>\$92,500</u>

Material Inputs			
*Planting Material (5 yr depr.)			6000
Fertiliser			13480
Insecticide			14800
Herbicide			4000

SUBTOTAL			<u>\$38,280</u>
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Other Costs			
Transportation (10 percent of material)			3828
Contingencies (10 percent of labour and material)			13078
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2000
Supervision (15 percent of labour and material)			19617
SUBTOTAL			<u>\$45,523</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$176,303</u>

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

St. THOMAS

Parish	St. Thomas
Extension Area	Morant Bay
Crop	ESCALLION
Crop Maturity	2 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	15cm x 30cm
Planting Density @ 0.4 hectare	87120
Terrain	Relatively Flat Land Farm
Land Preparation	Manual
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	5,455
Cost of Production \$/Kg	\$80

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	16	1500	24000
Harrowing	MD	8	1500	12000
Planting	MD	25	1500	37500
Pest Management	MD	7	1500	10500
Weeding	MD	31	1500	46500
Fertilising	MD	2	1500	3000
Harvesting	MD	30	1500	45000

Lunch	129	500	64500
SUBTOTAL			<u><u>\$258,000</u></u>

Material Inputs

Planting Material	20000
Fertiliser	25000
Insecticide	12000
Water	5000

SUBTOTAL	<u><u>\$62,000</u></u>
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Other Costs

Transportation (10 percent of material)	6200
Contingencies (10 percent of labour and material)	32000
**Tools discounted for 5 years	7000
Land Charges per crop cycle	25000
Supervision (15 percent of labour and material)	48000
SUBTOTAL	<u><u>\$118,200</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE	<u><u>\$438,200</u></u>

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

Back	Home	Forward
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Parish	Manchester
Extension Area	Newport
Crop	SWEET POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	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)	3,182
Cost of Production \$/Kg	\$48

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	7	2500	17500
Furrowing	tractor	5	2500	12500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	5	1500	7500
Pest Management	MD	2	1500	3000
Weeding	MD	3	1500	4500
Fertilising	MD	1	1500	1500
Harvesting	MD	7	1500	10500

Lunch	23	500	11500
SUBTOTAL			<u>\$76,000</u>

Material Inputs

*Planting Material (5 yr depr.)	5000
Fertiliser	24500
Insecticide	3000
Herbicide	4600

SUBTOTAL	<u>\$37,100</u>
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Other Costs

Transportation (10 percent of material)	3710
Contingencies (10 percent of labour and material)	11310
**Tools discounted for 5 years	7000
Land Charges per crop cycle	500
Supervision (15 percent of labour and material)	16965
SUBTOTAL	<u>\$39,485</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE	<u>\$152,585</u>

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

Manchester

Parish	Manchester
Extension Area	Newport
Crop	CARROT
Crop Maturity	3.5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈ 116000
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)	3,636
Cost of Production \$/Kg	\$56

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	MD	15	1500	22500
Planting	MD	1	1500	1500
Pest Management	MD	3	1500	4500
Weeding	MD	12	1500	18000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch	55	500	27500
SUBTOTAL			<u>\$110,000</u>

Material Inputs			
Planting Material			21000
Fertiliser			10000
Insecticide			5000
Fungicide			4000
Herbicide			2400

SUBTOTAL			<u>\$42,400</u>
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Other Costs			
Transportation (10 percent of material)			4240
Contingencies (10 percent of labour and material)			15240
**Tools discounted for 5 years			7000
Land Charges per crop cycle			500
Supervision (15 percent of labour and material)			22860
SUBTOTAL			<u>\$49,840</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$202,240</u>

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

Manchester

Parish	Manchester
Extension Area	Newport
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	45cm x 60cm
Planting Density @ 0.4 hectare	29040
Terrain	Relatively Flat Land Farm
Land Preparation	Semi-Mechanical
Irrigated/Rain fed	Irrigated
Area	0.4 hectare
Man-day Charge (excluding lunch)	\$1,500
Projected Marketable Yield (Kg)	11,364
Cost of Production \$/Kg	\$30

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	1	1500	1500
Dig Holes	CW	8	2500	20000
Furrowing	MD	7	1500	10500
Lining Irrigation Hose	MD	4	1500	6000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	8	1500	12000
Pest Management	MD	14	1500	21000
Weeding	MD	1	1500	1500
Fertilising	CW	1	2500	2500
Harvesting	MD	12	1500	18000
Lunch		51	500	25500
SUBTOTAL				<u>\$124,500</u>
Material Inputs				
Planting Material				25000
Fertiliser				32000
Insecticide				36000
Fungicide				7000
Herbicide				6000
Water				15000
Seed Trays				2350
Potting Mixture				9000
SUBTOTAL				<u>\$132,350</u>
Other Costs				
Transportation (10 percent of material)				13235
Contingencies (10 percent of labour and material)				25685
**Tools discounted for 5 years				7000
Land Charges per crop cycle				500
Supervision (15 percent of labour and material)				38528
SUBTOTAL				<u>\$84,948</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$341,798</u>

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

Manchester

Parish	Manchester
Extension Area	Bellefield
Crop	YELLOW YAM
Crop Maturity	10 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	210cm x 150cm
Planting Density @ 0.4 hectare	1245
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)	6,364
Cost of Production (\$/Kg)	\$57

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	CW	8	2500	20000
Make Mounds	CW	8	2500	20000
Maintain Trench	MD	10	1500	15000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	3	1500	4500
Stake and Tie	CW	7	2500	17500
Fertilising	MD	2	1500	3000
Weeding	MD	18	1500	27000
Harvesting	MD	35	1500	52500

Lunch		75	500	37500
SUBTOTAL				<u>\$207,500</u>

Material Inputs				
*Planting Material	Dep. 5 yrs			15000
Fertiliser				28000
*Stakes	Dep. 5 yrs			20000

SUBTOTAL				<u>\$63,000</u>
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Other Costs				
Transportation (10 percent of material)				6300
Contingencies (10 percent of labour and material)				27050
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material)				40575
SUBTOTAL				<u>\$90,925</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$361,425</u>

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

Manchester

Parish	Manchester
Extension Area	Bellefield
Crop	TOMATO (SLICING)
Crop Maturity	3 Months
Reaping Period	2.5 Months
Planting Distance in cm (l x w)	60cm x 120cm
Planting Density @ 0.4 hectare	5445
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)	2,727
Cost of Production \$/Kg	\$158

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Dig Holes	MD	5	1500	7500
Planting	MD	3	1500	4500
Stake and Tie	MD	25	1500	37500
Pest Management	MD	15	1500	22500
Weeding	MD	8	1500	12000
Fertilising	MD	4	1500	6000
Harvesting	MD	30	1500	45000

Lunch	94	500	47000
SUBTOTAL			<u>\$188,000</u>

Material Inputs			
Planting Material			25000
Fertiliser			44000
Insecticide			33000
Fungicide			30000
Cord			800
Herbicide			4000

SUBTOTAL			<u>\$136,800</u>
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Other Costs			
Transportation (10 percent of material)			13680
Contingencies (10 percent of labour and material)			32480
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			48720
SUBTOTAL			<u>\$106,880</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$431,680</u>

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

Manchester

Parish	Manchester
Extension Area	Bellefield
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	11,364
Cost of Production \$/Kg	\$29

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1200	4800
Dig Holes/Plant	MD	20	1200	24000
Pest Management	MD	10	1200	12000
Weeding	MD	30	1200	36000
Fertilising	MD	1	1200	1200
Harvesting	MD	20	1200	24000

Lunch	96	500	48000
SUBTOTAL			<u>\$150,000</u>

Material Inputs			
Planting Material			35000
Fertiliser			30000
Insecticide			18000
Fungicide			9000
Herbicide			1500

SUBTOTAL			<u>\$93,500</u>
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Other Costs			
Transportation (10 percent of material)			9350
Contingencies (10 percent of labour and material)			24350
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			36525
SUBTOTAL			<u>\$82,225</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$325,725</u>

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

Manchester

Parish	Manchester
Extension Area	Cross Keys
Crop	CARROT
Crop Maturity	3 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	≈ 116000
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)	4,545
Cost of Production \$/Kg	\$47

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	18	1500	27000
Ploughing	tractor	8	2500	20000
Planting	MD	3	1500	4500
Weeding	MD	6	1500	9000
Pest Management	MD	2	1500	3000
Fertilising	MD	3	1500	4500
Harvesting	MD	15	1500	22500

Lunch	47	500	23500
SUBTOTAL			<u>\$114,000</u>

Material Inputs			
Planting Material			12000
Fertiliser			23900
Insecticide			1400
Herbicide			7000

SUBTOTAL			<u>\$44,300</u>
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Other Costs			
Transportation (10 percent of material)			4430
Contingencies (10 percent of labour and material)			15830
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			23745
SUBTOTAL			<u>\$54,005</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$212,305</u>

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

Manchester

Parish	Manchester
Extension Area	Cross Keys
Crop	SWEET POTATO
Crop Maturity	5 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 90cm
Planting Density @ 0.4 hectare	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)	3,636
Cost of Production \$/Kg	\$69

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	6	2500	15000
Harrowing	tractor	6	2500	15000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	15	1500	22500
Pest Management	MD	4	1500	6000
Weeding	MD	8	1500	12000
Fertilising	MD	5	1500	7500
Harvesting	MD	10	1500	15000

Lunch	47	500	23500
SUBTOTAL			<u>\$124,000</u>

Material Inputs			
*Planting Material (5 yr depr.)			2500
Fertiliser			28500
Insecticide			9200
Herbicide			8700

SUBTOTAL			<u>\$48,900</u>
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Other Costs			
Transportation (10 percent of material)			4890
Contingencies (10 percent of labour and material)			17290
**Tools discounted for 5 years			27000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			25935
SUBTOTAL			<u>\$78,115</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$251,015</u>

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

Manchester

Parish	Manchester
Extension Area	Christiana
Crop	GINGER
Crop Maturity	8 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	15cm x 60cm
Planting Density @ 0.4 hectare	43560
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)	6,818
Cost of Production \$/Kg	\$75

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	20	1500	30000
Harrowing	MD	10	1500	15000
Furrowing	MD	6	1500	9000
Prepare Planting Material	MD	2	1500	3000
Planting	MD	25	1500	37500
Pest Management	MD	5	1500	7500
Weeding	MD	20	1500	30000
Fertilising	MD	6	1500	9000
Harvesting	MD	30	1500	45000

Lunch	129	500	64500
SUBTOTAL			<u>\$258,000</u>

Material Inputs			
Planting Material (Depreciated @ 20% for 5 years)			55000
Fertiliser			50000
Insecticide			15000
Fungicide			6000
Herbicide			8000

SUBTOTAL			<u>\$134,000</u>
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Other Costs			
Transportation (10 percent of material)			13400
Contingencies (10 percent of labour and material)			39200
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			58800
SUBTOTAL			<u>\$121,400</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$513,400</u>

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

Manchester

Parish	Manchester
Extension Area	Christiana
Crop	IRISH POTATO
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	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)	6,818
Cost of Production \$/Kg	\$82

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	tractor	8	2500	20000
Furrowing	tractor	6	2500	15000
Planting	MD	10	1500	15000
Pest Management	MD	8	1500	12000
Weeding	MD	12	1500	18000
Fertilising	MD	6	1500	9000
Harvesting	MD	24	1500	36000

Lunch	82	500	41000
SUBTOTAL			<u>\$178,000</u>

Material Inputs			
Planting Material			84000
Fertiliser			41800
Insecticide			65000
Fungicide			45000
Herbicide			3200

SUBTOTAL			<u>\$239,000</u>
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Other Costs			
Transportation (10 percent of material)			23900
Contingencies (10 percent of labour and material)			41700
**Tools discounted for 5 years			7000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			62550
SUBTOTAL			<u>\$139,150</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$556,150</u>

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

Manchester

Parish	Manchester
Extension Area	Christiana
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	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)	10,909
Cost of Production \$/Kg	\$36

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	tractor	6	2500	15000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Nursery Operations	MD	4	2500	10000
Transplanting	MD	20	1500	30000
Pest Management	MD	25	1500	37500
Weeding	MD	14	1500	21000
Fertilising	MD	3	1500	4500
Harvesting	MD	16	1500	24000

Lunch	103	500	51500
SUBTOTAL			<u>\$219,500</u>

Material Inputs			
Planting Material			19500
Fertiliser			41400
Insecticide			12000
Fungicide			5400
Herbicide			3500

SUBTOTAL			<u>\$81,800</u>
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Other Costs			
Transportation (10 percent of material)			8180
Contingencies (10 percent of labour and material)			30130
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			45195
SUBTOTAL			<u>\$95,505</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$396,805</u>

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

Manchester

Parish	Manchester
Extension Area	Mile Gully
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	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)	6,818
Cost of Production \$/Kg	\$92

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	3	1500	4500
Ploughing	tractor	5	2500	12500
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Lining Irrigation Hose	CW	4	2500	10000
Nursery Operations	MD	4	1500	6000
Planting	MD	3	1500	4500
Pest Management	MD	12	1500	18000
Weeding	MD	5	1500	7500
Fertilising	MD	10	1500	15000
Harvesting	MD	80	1500	120000

Lunch	121	500	60500
SUBTOTAL			<u>\$278,500</u>

Material Inputs			
Planting Material			70000
Fertiliser			60000
Insecticide			20000
Fungicide			16000
Herbicide			3500
Water			14000

SUBTOTAL			<u>\$183,500</u>
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Other Costs			
Transportation (10 percent of material)			18350
Contingencies (10 percent of labour and material)			46200
**Tools discounted for 5 years			27000
Land Charges per crop cycle			3000
Supervision (15 percent of labour and material)			69300
SUBTOTAL			<u>\$163,850</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$625,850</u>

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

TRELAWNY

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Parish	Trelawny
Extension Area	Falmouth
Crop	ONION
Crop Maturity	4 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	.3 x 30
Planting Density @ 0.4 hectare	145200
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)	7,727
Cost of Production \$/Kg	\$60

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	tractor	8	2500	20000
Harrowing	tractor	4	2500	10000
Furrowing	tractor	4	2500	10000
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	2	1500	3000
Pest Management	MD	24	1500	36000
Weeding	MD	10	1500	15000
Fertilising	MD	7	1500	10500
Harvesting	MD	15	1500	22500

Lunch	68	500	34000
SUBTOTAL			<u>\$176,000</u>

Material Inputs			
Planting Material			20800
Water			12000
Fertiliser			53000
Insecticide			17500
Fungicide			14000
Herbicide			23200

SUBTOTAL			<u>\$140,500</u>
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Other Costs			
Transportation (10 percent of material)			14050
Contingencies (10 percent of labour and material)			31650
**Tools discounted for 5 years			47000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			47475
SUBTOTAL			<u>\$145,175</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$461,675</u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Falmouth
Crop	SCOTCH BONNET PEPPER
Crop Maturity	4 Months
Reaping Period	8 Months
Planting Distance in cm (l x w)	60 x 90
Planting Density @ 0.4 hectare	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)	12,273
Cost of Production \$/Kg	\$88

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	tractor	8	2500	20000
Harrowing	tractor	6	2500	15000
Furrowing	tractor	4	2500	10000
Lining Irrigation Hose	MD	2	1500	3000
Mulching	MD	4	1500	6000
Planting	MD	8	1500	12000
Pest Management	MD	34	2000	68000
Weeding	MD	10	1500	15000
Fertilising	MD	15	1500	22500
Harvesting (pick and de-stem)	MD	115	1500	172500

Lunch	198	300	59400
SUBTOTAL			<u><u>\$418,400</u></u>

Material Inputs			
Planting Material			78000
Water			15000
Fertiliser			140000
Insecticide			67000
Fungicide			45000
Herbicide			5200
Mulch (5 yr Dep.)			22000

SUBTOTAL			<u><u>\$372,200</u></u>
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Other Costs			
Transportation (10 percent of material)			37220
Contingencies (10 percent of labour and material)			79060
**Tools discounted for 5 years			47000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			118590
SUBTOTAL			<u><u>\$291,870</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$1,082,470</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Wakefield
Crop	HOT PEPPER (WI RED)
Crop Maturity	3 Months
Reaping Period	9 Months
Planting Distance in cm (l x w)	60 x 120
Planting Density @ 0.4 hectare	5445
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 (doz)	10,000
Cost of Production \$/kg	\$95

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	tractor	3	2500	7500
Ploughing	tractor	5	2500	12500
Harrowing	tractor	4	2500	10000
Furrowing	tractor	3	2500	7500
Lining Irrigation Hose	MD	2	1500	3000
Mulching	MD	5	1500	7500
Planting	MD	4	1500	6000
Pest Management	MD	42	1500	63000
Weeding	MD	8	1500	12000
Fertilising	MD	8	1500	12000
Harvesting	MD	80	1500	120000

Lunch	149	300	44700
SUBTOTAL			<u><u>\$305,700</u></u>

Material Inputs			
Planting Material			56000
Fertiliser			113000
Insecticide			65000
Fungicide			54000
Mulch			90000
Herbicide			9000
Seed Trays			3500
Water			24000
Potting Mixture			2500

SUBTOTAL			<u><u>\$417,000</u></u>
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Other Costs			
Transportation (10 percent of material)			41700
Contingencies (10 percent of labour and material)			72270
**Tools discounted for 5 years			3500
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			108405
SUBTOTAL			<u><u>\$229,875</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$952,575</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Wakefield
Crop	PAW-PAW
Crop Maturity	9.5 Months
Reaping Period	1.5 Years
Planting Distance in cm (l x w)	240x 180
Planting Density @ 0.4 hectare	908
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)	11,364
Cost of Production (\$/Kg)	\$67

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	2	1500	3000
Ploughing	tractor	5	2500	12500
Harrowing	tractor	4	2500	10000
Furrowing	tractor	3	2500	7500
Lining Irrigation Hose	MD	2	1500	3000
Planting	MD	2	1500	3000
Pest Management	MD	38	2000	76000
Weeding	MD	14	1500	21000
Fertilising	MD	13	1500	19500
Harvesting	MD	75	1500	112500

Lunch	58	300	17400
SUBTOTAL			<u><u>\$285,400</u></u>

Material Inputs			
Planting Material			5000
Fertiliser			124000
Insecticide			45000
Fungicide			35000
Water			45000
Herbicide			17000

SUBTOTAL			<u><u>\$271,000</u></u>
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Other Costs			
Transportation (10 percent of material)			27100
Contingencies (10 percent of labour and material)			55640
**Tools discounted for 5 years			27000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			83460
SUBTOTAL			<u><u>\$203,200</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$759,600</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Low River
Crop	NEGRO YAM
Crop Maturity	8 Months
Reaping Period	2.5 Months
Planting Distance in cm (l x w)	150 x 180
Planting Density @ 0.4 hectare	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)	4,091
Cost of Production (\$/Kg)	\$83

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	MD	10	1500	15000
Make Mounds	MD	20	1500	30000
Maintain Trench	MD	3	1500	4500
Prepare Planting Material	MD	2	1500	3000
Planting	MD	2	1500	3000
Stake and Tie	CW	10	2000	20000
Weeding	CW	10	2000	20000
Fertilising	MD	2	1500	3000
Harvesting	MD	25	1500	37500

Lunch		71	500	35500
SUBTOTAL				<u><u>\$182,000</u></u>

Material Inputs				
*Planting Material	Dep. 5 yrs			12000
*Stakes	Dep. 5 yrs			35000
Fertiliser				21500
Herbicide				2400

SUBTOTAL				<u><u>\$70,900</u></u>
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Other Costs				
Transportation (10 percent of material)				7090
Contingencies (10 percent of labour and material)				25290
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material)				37935
SUBTOTAL				<u><u>\$87,315</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$340,215</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Lowe River
Crop	CABBAGE
Crop Maturity	3.5 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	21780
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)	\$32

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	6	1500	9000
Ploughing	MD	20	1500	30000
Nursery Operations	MD	4	1500	6000
Maintain Trench	MD	4	1500	6000
Transplanting	MD	24	1500	36000
Pest Management	MD	12	1500	18000
Weeding	MD	10	1500	15000
Fertilising	MD	4	1500	6000
Harvesting	MD	12	1500	18000
Lunch		96	500	48000
SUBTOTAL				<u><u>\$192,000</u></u>
Material Inputs				
Planting Material				25000
Fertiliser				10100
Insecticide				13000
Fungicide				2400
Herbicide				2250
SUBTOTAL				<u><u>\$52,750</u></u>
Other Costs				
Transportation (10 percent of material)				5275
Contingencies (10 percent of labour and material)				24475
**Tools discounted for 5 years				7000
Land Charges per crop cycle				4000
Supervision (15 percent of labour and material)				36712.5
SUBTOTAL				<u><u>\$77,463</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$322,213</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Low River
Crop	YELLOW YAM
Crop Maturity	12 Months
Reaping Period	2 Months
Planting Distance in cm (l x w)	120 x 180
Planting Density @ 0.4 hectare	1815
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)	6,818
Cost of Production (\$/Kg)	\$57

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	MD	10	1500	15000
Make Mounds	CW	15	2000	30000
Maintain Trench	MD	7	1500	10500
Prepare Planting Material	MD	2	1500	3000
Planting	MD	3	1500	4500
Stake and Tie	MD	25	1500	37500
Weeding	MD	7	1500	10500
Fertilising	MD	3	1500	4500
Harvesting	MD	30	1500	45000

Lunch		94	500	47000
SUBTOTAL				<u><u>\$218,000</u></u>

Material Inputs			
*Planting Material	Dep. 5 yrs		15000
*Stakes	Dep. 5 yrs		30000
Fertiliser			25000
Herbicide			4500

SUBTOTAL				<u><u>\$74,500</u></u>
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Other Costs			
Transportation (10 percent of material)			7450
Contingencies (10 percent of labour and material)			29250
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			43875
SUBTOTAL			<u><u>\$97,575</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$390,075</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Lowe River
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	21780
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)	6,818
Cost of Production (\$/Kg)	\$71

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	20	1500	30000
Furrowing	MD	15	1500	22500
Planting	MD	12	1500	18000
Pest Management	MD	12	1500	18000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	30	1500	45000

Lunch	111	500	55500
SUBTOTAL			<u><u>\$222,000</u></u>

Material Inputs			
Planting Material			84000
Fertiliser			30000
Insecticide			10400
Fungicide			16500
Herbicide			5500

SUBTOTAL			<u><u>\$146,400</u></u>
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Other Costs			
Transportation (10 percent of material)			14640
Contingencies (10 percent of labour and material)			36840
**Tools discounted for 5 years			7000
Land Charges per crop cycle			4000
Supervision (15 percent of labour and material)			55260
SUBTOTAL			<u><u>\$117,740</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$486,140</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Albert Town
Crop	YELLOW YAM
Crop Maturity	9 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	150cm x 210cm
Planting Density @ 0.4 hectare	1200
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)	6,818
Cost of Production (\$/Kg)	\$48

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	CW	10	2500	25000
Make Mounds	CW	15	1500	22500
Maintain Trench	MD	3	1500	4500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	4	1500	6000
Stake and Tie	MD	8	1500	12000
Fertilising	MD	2	1500	3000
Weeding	CW	12	2500	30000
Harvesting	MD	35	1500	52500

Lunch	59	500	29500
SUBTOTAL			<u>\$189,500</u>

Material Inputs			
*Planting Material	Dep. 5 yrs		14000
Fertiliser			15000
*Stakes	Dep. 5 yrs		25000

SUBTOTAL			<u>\$54,000</u>
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Other Costs			
Transportation (10 percent of material)			5400
Contingencies (10 percent of labour and material)			24350
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			36525
SUBTOTAL			<u>\$83,275</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$326,775</u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Warsop
Crop	YELLOW YAM
Crop Maturity	10 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	150cm x 90cm
Planting Density @ 0.4 hectare	2904
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)	9,091
Cost of Production (\$/Kg)	\$46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	9	1500	13500
Ploughing	MD	15	1500	22500
Make Mounds	MD	20	1500	30000
Maintain Trench	MD	9	1500	13500
Prepare Planting Material	MD	3	1500	4500
Planting	MD	6	1500	9000
Stake and Tie	MD	25	1500	37500
Fertilising	MD	8	1500	12000
Weeding	MD	10	1500	15000
Harvesting	MD	40	1500	60000

Lunch	145	300	43500
SUBTOTAL			<u><u>\$261,000</u></u>

Material Inputs			
*Planting Material	Dep. 5 yrs		13000
Fertiliser			25000
*Stakes	Dep. 5 yrs		17000

SUBTOTAL			<u><u>\$55,000</u></u>
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Other Costs			
Transportation (10 percent of material)			5500
Contingencies (10 percent of labour and material)			31600
**Tools discounted for 5 years			7000
Land Charges per crop cycle			10000
Supervision (15 percent of labour and material)			47400
SUBTOTAL			<u><u>\$101,500</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$417,500</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Jackson Town
Crop	YELLOW YAM
Crop Maturity	10 Months
Reaping Period	1.5 Months
Planting Distance in cm (l x w)	150cm x 210cm
Planting Density @ 0.4 hectare	1245
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)	4091
Cost of Production (\$/Kg)	\$86

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	tractor	6	2000	12000
Make Mounds	CW	11	2000	22000
Maintain Trench	MD	3	1500	4500
Prepare Planting Material	MD	6	1500	9000
Planting	MD	10	1500	15000
Stake and Tie	MD	8	1500	12000
Fertilising	MD	2	1500	3000
Weeding	MD	4	1500	6000
Harvesting	CW	16	2000	32000

Lunch		38	300	11400
SUBTOTAL				<u><u>\$134,400</u></u>

Material Inputs				
*Planting Material	Dep. 5 yrs			32000
Fertiliser				33600
Stakes				50000
Herbicide				6500

SUBTOTAL				<u><u>\$122,100</u></u>
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Other Costs				
Transportation (10 percent of material)				12210
Contingencies (10 percent of labour and material)				25650
**Tools discounted for 5 years				7000
Land Charges per crop cycle				10000
Supervision (15 percent of labour and material)				38475
SUBTOTAL				<u><u>\$93,335</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$349,835</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Jackson Town
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30cm x 60cm
Planting Density @ 0.4 hectare	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)	4,545
Cost of Production (\$/Kg)	\$76

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
Planting	MD	8	1500	12000
Weeding	MD	5	1500	7500
Pest Management	MD	7	1500	10500
Fertilising	MD	10	1500	15000
Harvesting	MD	32	1500	48000

Lunch	77	300	23100
SUBTOTAL			<u><u>\$148,600</u></u>

Material Inputs			
Planting Material			53000
Fertiliser			22000
Fungicide			11000
Insecticide			18000
Herbicide			5000

SUBTOTAL			<u><u>\$109,000</u></u>
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Other Costs			
Transportation (10 percent of material)			10900
Contingencies (10 percent of labour and material)			25760
**Tools discounted for 5 years			7000
Land Charges per crop cycle			5000
Supervision (15 percent of labour and material)			38640
SUBTOTAL			<u><u>\$87,300</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$344,900</u></u>

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

TRELAWNY

Parish	Trelawny
Extension Area	Jackson Town
Crop	HYBRID CORN
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60cm x 60cm
Planting Density @ 0.4 hectare	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 (dozen)	500
Cost of Production (\$/dozen)	\$325

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	5	1500	7500
Ploughing	MD	10	1500	15000
Furrowing	MD	6	1500	9000
Planting	MD	4	1500	6000
Weeding	MD	7	1500	10500
Pest Management	MD	4	1500	6000
Fertilising	MD	2	1500	3000
Harvesting	MD	10	1500	15000

Lunch	48	300	14400
SUBTOTAL			<u><u>\$86,400</u></u>

Material Inputs			
Planting Material			8000
Fertiliser			16800
Insecticide			3500
Herbicide			5000

SUBTOTAL			<u><u>\$33,300</u></u>
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Other Costs			
Transportation (10 percent of material)			3330
Contingencies (10 percent of labour and material)			11970
**Tools discounted for 5 years			7000
Land Charges per crop cycle			2500
Supervision (15 percent of labour and material)			17955
SUBTOTAL			<u><u>\$42,755</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$162,455</u></u>

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

WESTMORELAND

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Parish	Westmoreland
Extension Area	Little London
Crop	TOMATO (SLICING)
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 90
Planting Density @ 0.4 hectare	7260
Terrain	Relatively Flat Land 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	\$37

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Furrowing	MD	10	1500	15000
Dig Holes	MD	5	1500	7500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	6	1500	9000
Stake and Tie	MD	12	1500	18000
Pest Management	MD	8	1500	12000
Weeding	MD	4	1500	6000
Fertilising	MD	4	1500	6000
Harvesting	MD	30	1500	45000
Lunch		90	500	45000
SUBTOTAL				<u><u>\$180,000</u></u>
Material Inputs				
Planting Material				4200
Stakes				13000
Fertiliser				9000
Insecticide				5350
Fungicide				2900
Herbicide				2500
Water				15000
SUBTOTAL				<u><u>\$51,950</u></u>
Other Costs				
Transportation (10 percent of material)				5195
Contingencies (10 percent of labour and material)				23195
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2000
Supervision (15 percent of labour and material)				34792.5
SUBTOTAL				<u><u>\$72,183</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$304,133</u></u>

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

WESTMORELAND

Parish	Westmoreland
Extension Area	Little London
Crop	LETTUCE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	21780
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)	9,545
Cost of Production \$/Kg	\$31

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	10	1500	15000
Maintain Trench	MD	10	1500	15000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	15	1500	22500
Pest Management	MD	5	1500	7500
Weeding	MD	8	1500	12000
Fertilising	MD	2	2000	4000
Harvesting	MD	25	1500	37500

Lunch	89	500	44500
SUBTOTAL			<u>\$179,000</u>

Material Inputs			
Planting Material			5000
Fertiliser			28500
Insecticide			4000
Fungicide			6000
Herbicide			3700

SUBTOTAL			<u>\$47,200</u>
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Other Costs			
Transportation (10 percent of material)			4720
Contingencies (10 percent of labour and material)			22620
**Tools discounted for 5 years			7000
Land Charges per crop cycle			1667
Supervision (15 percent of labour and material)			33930
SUBTOTAL			<u>\$69,937</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$296,137</u>

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

WESTMORELAND

Parish	Westmoreland
Extension Area	Little London
Crop	SWEET PEPPER
Crop Maturity	3 Months
Reaping Period	4 Months
Planting Distance in cm (l x w)	60 x 90
Planting Density @ 0.4 hectare	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)	5,909
Cost of Production \$/Kg	\$64

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Dig Holes	MD	18	1500	27000
Maintain Trench	MD	10	1500	15000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	12	1500	18000
Pest Management	MD	5	1500	7500
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	22	1500	33000

Lunch	91	500	45500
SUBTOTAL			<u>\$182,000</u>

Material Inputs			
Planting Material			32000
Fertiliser			17500
Insecticide			32000
Insecticide			15000
Herbicide			10500

SUBTOTAL			<u>\$107,000</u>
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Other Costs			
Transportation (10 percent of material)			10700
Contingencies (10 percent of labour and material)			28900
**Tools discounted for 5 years			7000
Land Charges per crop cycle			1667
Supervision (15 percent of labour and material)			43350
SUBTOTAL			<u>\$91,617</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$380,617</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 in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	21780
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)	9,545
Cost of Production \$/Kg	\$53

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Ploughing	MD	15	1500	22500
Nursery Operations	MD	4	1500	6000
Transplanting	MD	16	1500	24000
Weeding	MD	30	1500	45000
Pest Management	MD	25	2000	50000
Fertilising	MD	2	1500	3000
Harvesting	MD	15	1500	22500

Lunch	114	500	57000
SUBTOTAL			<u>\$240,500</u>

Material Inputs			
Planting Material			5100
Fertiliser			39200
Insecticide			60000
Fungicide			30000
Herbicide			2600

SUBTOTAL			<u>\$136,900</u>
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Other Costs			
Transportation (10 percent of material)			13690
Contingencies (10 percent of labour and material)			37740
**Tools discounted for 5 years			17500
Land Charges per crop cycle			1667
Supervision (15 percent of labour and material)			56610
SUBTOTAL			<u>\$ 127,207</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$504,607</u>

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

WESTMORELAND

Parish	Westmoreland
Extension Area	Darliston
Crop	SWEET PEPPER
Crop Maturity	3 Months
Reaping Period	4 Months
Planting Distance in cm (l x w)	60 x 60
Planting Density @ 0.4 hectare	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)	4,545
Cost of Production \$/Kg	\$89

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	7	1500	10500
Dig Holes	MD	20	1500	30000
Nursery Operations	MD	3	1500	4500
Transplanting	MD	8	1500	12000
Pest Management	MD	10	1500	15000
Weeding	MD	30	1500	45000
Fertilising	MD	4	1500	6000
Harvesting	MD	20	1500	30000

Lunch		102	500	51000
SUBTOTAL				<u>\$204,000</u>

Material Inputs				
Planting Material				55000
Fertiliser				33600
Insecticide				3600
Fungicide				1500
Herbicide				2500

SUBTOTAL				<u>\$96,200</u>
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Other Costs				
Transportation (10 percent of material)				9620
Contingencies (10 percent of labour and material)				30020
**Tools discounted for 5 years				17500
Land Charges per crop cycle				1667
Supervision (15 percent of labour and material)				45030
SUBTOTAL				<u>\$103,837</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$404,037</u>

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

WESTMORELAND

Parish	Westmoreland
Extension Area	Darliston
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	21780
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)	10,455
Cost of Production \$/Kg	\$46

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	8	1500	12000
Ploughing	MD	30	1500	45000
Furrowing	MD	20	1500	30000
Prepare Planting Material	MD	1	1500	1500
Planting	MD	8	1500	12000
Pest Management	MD	12	1500	18000
Weeding	MD	5	2000	10000
Fertilising	MD	2	1500	3000
Harvesting	MD	36	1500	54000

Lunch	92	500	46000
SUBTOTAL			<u><u>\$231,500</u></u>

Material Inputs			
Planting Material			65000
Fertiliser			43500
Insecticide			8000
Fungicide			7500
Herbicide			4800

SUBTOTAL			<u><u>\$128,800</u></u>
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Other Costs			
Transportation (10 percent of material)			12880
Contingencies (10 percent of labour and material)			36030
**Tools discounted for 5 years			17500
Land Charges per crop cycle			1667
Supervision (15 percent of labour and material)			54045
SUBTOTAL			<u><u>\$122,122</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u><u>\$482,422</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	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	Broadcast
Planting Density @ 0.4 hectare	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)	3,409
Cost of Production \$/Kg	\$84

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	20	1500	30000
Furrowing	MD	10	1500	15000
Planting	MD	1	1500	1500
Weeding	MD	5	1500	7500
Fertilising	MD	2	1500	3000
Pest Management	MD	2	1500	3000
Fertilising	MD	1	2000	2000
Harvesting	MD	30	1500	45000

Lunch	81	500	40500
SUBTOTAL			<u>\$162,500</u>

Material Inputs			
Planting Material			14250
Fertiliser			22000
Insecticide			5000
Fungicide			2800
Herbicide			11000

SUBTOTAL			<u>\$55,050</u>
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Other Costs			
Transportation (10 percent of material)			5505
Contingencies (10 percent of labour and material)			21755
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3333
Supervision (15 percent of labour and material)			32633
SUBTOTAL			<u>\$70,226</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$287,776</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	2.5 Months
Reaping Period	3 Months
Planting Distance in cm (l x w)	90 x 60
Planting Density @ 0.4 hectare	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)	5,455
Cost of Production \$/Kg	\$83

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	15	1500	22500
Dig Holes	CW	18	2500	45000
Nursery Operations	MD	4	1500	6000
Transplanting	MD	6	1500	9000
Stake and Tie	MD	30	1500	45000
Weeding	MD	6	1500	9000
Fertilising	MD	1	2000	2000
Pest Management	MD	12	1500	18000
Harvesting	MD	30	1500	45000

Lunch		104	500	52000
SUBTOTAL				<u>\$253,500</u>

Material Inputs				
Planting Material				12000
Fertiliser				38500
Insecticide				6000
Fungicide				21000
Herbicide				6200
Stakes (3yr depr)				7500

SUBTOTAL				<u>\$91,200</u>
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Other Costs				
Transportation (10 percent of material)				9120
Contingencies (10 percent of labour and material)				34470
**Tools discounted for 5 years				7000
Land Charges per crop cycle				3333
Supervision (15 percent of labour and material)				51705
SUBTOTAL				<u>\$105,628</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$450,328</u>

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

WESTMORELAND

Parish	Westmoreland
Extension Area	New Works
Crop	IRISH POTATO
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	30 x 60
Planting Density @ 0.4 hectare	21780
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	\$55

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	13	1500	19500
Ploughing	MD	20	1500	30000
Furrowing	MD	8	1500	12000
Planting	MD	20	1500	30000
Weeding	MD	10	1500	15000
Pest Management	MD	4	1500	6000
Harvesting	MD	20	1500	30000

Lunch	95	500	47500
SUBTOTAL			<u>\$190,000</u>

Material Inputs			
Planting Material			65000
Fertiliser			65000
Insecticide			7500
Fungicide			14250

SUBTOTAL			<u>\$151,750</u>
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Other Costs			
Transportation (10 percent of material)			15175
Contingencies (10 percent of labour and material)			34175
**Tools discounted for 5 years			7000
Land Charges per crop cycle			3333
Supervision (15 percent of labour and material)			51263
SUBTOTAL			<u>\$110,946</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE			<u>\$452,696</u>

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

WESTMORELAND

Parish	Westmoreland
Extension Area	New Works
Crop	CABBAGE
Crop Maturity	3 Months
Reaping Period	1 Month
Planting Distance in cm (l x w)	60 x 30
Planting Density @ 0.4 hectare	21780
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)	6,818
Cost of Production \$/Kg	\$62

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	10	1500	15000
Ploughing	MD	20	1500	30000
Furrowing	MD	13	1500	19500
Nursery Operations	MD	2	1500	3000
Transplanting	MD	30	1500	45000
Pest Management	MD	12	1500	18000
Weeding	MD	10	1500	15000
Fertilising	MD	2	1500	3000
Harvesting	MD	20	1500	30000

Lunch		119	500	59500
SUBTOTAL				<u><u>\$238,000</u></u>

Material Inputs				
Planting Material				42000
Fertiliser				27500
Insecticide				10800
Fungicide				5000

SUBTOTAL				<u><u>\$85,300</u></u>
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Other Costs				
Transportation (10 percent of material)				8530
Contingencies (10 percent of labour and material)				32330
**Tools discounted for 5 years				7000
Land Charges per crop cycle				3333
Supervision (15 percent of labour and material)				48495
SUBTOTAL				<u><u>\$99,688</u></u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u><u>\$422,988</u></u>

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

WESTMORELAND

Parish	Westmoreland
Extension Area	Leamington
Crop	PINEAPPLE (RIPLEY)
Crop Maturity	9 Months
Reaping Period	Indefinite
Planting Distance in cm (l x w)	30cm x 120cm
Planting Density @ 0.4 hectare	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)	8,636
Cost of Production \$/Kg	\$39

Labour Operations	Unit	No. of Units	Cost/Unit	Total Cost
Land Cleaning	MD	4	1500	6000
Ploughing	MD	15	1500	22500
Furrowing	MD	15	1500	22500
Planting	MD	10	1500	15000
Pest Management	MD	3	1500	4500
Weeding	MD	6	1500	9000
Fertilising	MD	4	1500	6000
Harvesting	MD	35	1500	52500

Lunch		77	450	34650
SUBTOTAL				<u>\$172,650</u>

Material Inputs

*Planting Material (5 yr depr.)				25000
Fertiliser				43000
Herbicide				14000

SUBTOTAL				<u>\$82,000</u>
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Other Costs

Transportation (10 percent of material)				8200
Contingencies (10 percent of labour and material)				25465
**Tools discounted for 5 years				7000
Land Charges per crop cycle				2500
Supervision (15 percent of labour and material)				38198
SUBTOTAL				<u>\$81,363</u>
TOTAL OPERATING EXPENDITURE PER CROP CYCLE				<u>\$336,013</u>

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

St. Mary	1 Month	1 Month	Rainfed
St. Ann	1.5 Months	1.5 Months	Irrigated
Clarendon	2 Months	2 Months	Fertigation
St. Catherine	2.5 Months	2.5 Months	Semi-Irrigated
St. James	3 Months	3 Months	
Portland	3.5 Months	3.5 Months	
St. Thomas	4 Months	4 Months	
Westmoreland	4.5 Months	4.5 Months	
St. Elizabeth	5 Months	5 Months	
Manchester	5.5 Months	5.5 Months	
Trelawny	6 Months	6 Months	
St. Andrew	6.5 Months	6.5 Months	
St. Thomas	7 Months	7 Months	
	7.5 Months	7.5 Months	
	8 Months	8 Months	
	8.5 Months	8.5 Months	
	9 Months	9 Months	
	9.5 Months	9.5 Months	
	10 Months	10 Months	
	10.5 Months	10.5 Months	
	11 Months	11 Months	
	11.5 Months	11.5 Months	
	12 Months	12 Months	
	12.5 Months	12.5 Months	
	13 Months	13 Months	
	13.5 Months	13.5 Months	
	14 Months	14 Months	
	14.5 Months	14.5 Months	
	1 Year	1 Year	
	1.5 Years	1.5 Years	
	2 Years	2 Years	
	3 Years	1 day	
	4 Years	2 days	
	5 Years	3 days	
	Indefinite	4 days	
		5 days	
		6 days	
		1 week	
		2 weeks	
		3 weeks	

30 x 30	\$0 Land Cleaning
30 x 60	\$900 Dig Holes
30 x 90	\$950 Dig Holes/Plant
30 x 120	\$1,000 Erect Trellis
30 x 150	\$1,100 Fertilising
30 x 180	\$1,200 Furrowing
30 x 210	\$1,300 Harrowing
60 x 60	\$1,400 Harvesting
60 x 90	\$1,500 Harvesting (excluding shelling)
60 x 120	\$1,600 Harvesting (including shelling)
60 x 150	\$1,700 Harvesting (pick and de-stem)
60 x 180	\$1,800 Land Cleaning
60 x 210	\$1,900 Lining Irrigation Hose
90 x 120	\$2,000 Maintain Trench
90 x 180	\$2,100 Make Mounds
90 x 210	\$2,200 Moulding
120 x 120	\$2,300 Mulching
120 x 150	\$2,400 Nursery Operations
120 x 180	\$2,500 Pest Management
120 x 210	Planting
120 x 240	Planting Material Discounted
150 x 180	Ploughing
150 x 210	Prepare Planting Material
150 x 240	Pruning
150 x 270	Stake and Tie
180 x 210	Transplanting
	Trellising
	Weeding

MD
CW
tractor

0 Planting Material	BEETROOT
1 Fertiliser	BITTER CASSAVA
2 Insecticide	BROAD BEANS
3 Fungicide	BROCCOLI
4 Herbicide	CABBAGE
5 Mulch	CALLALOO
6 Potting Mixture	CANTALOUPE
7 Water	CARROT
8 Seed Trays	CAULIFLOWER
9 Stakes	CELERY
10 Cord	CHO-CHO
11 Baits	COCO
12	COW PEA
13	CUCUMBER
14	DASHEEN
15	EGG PLANT
16	ESCALLION
17	GINGER
18	GUNGO PEA
19	HORSE PLANTAIN
20	HOT PEPPER (WI RED)
21	HYBRID CORN
22	IRISH POTATO
23	LETTUCE
24	LETTUCE (ROMAINE)
25	LUCEA YAM
26	NEGRO YAM
27	OKRA
28	ONION
29	ORDINARY CORN
30	PAK CHOI
31	PAW-PAW
32	PEANUT
33	PINEAPPLE (COW BOY)
34	PINEAPPLE (RIPLEY)
35	PINEAPPLE (SUGAR LOAF)
36	PUMPKIN (BODLES GLOBE)
37	PUMPKIN (NATIVE)
38	RED PEA
39	RENTA YAM
40	RICE
41	SCOTCH BONNET PEPPER
42	SORREL (BASHMENT)
43	SQUASH
44	ST. VINCENT YAM
45	STRING BEAN
46	SUGAR BEANS

47	SWEET CASSAVA
48	SWEET CORN
49	SWEET PEPPER
50	SWEET POTATO
51	SWEET YAM
52	TAU YAM
53	THYME
54	TOMATO (PLUMMY)
55	TOMATO (SLICING)
56	TURNIP
57	WATERMELON
58	YELLOW YAM
59	HONEY DEW MELON
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St. Andrew
Salisbury Plain
Temple hall
Pembroke Hall
Bull Bay
Gordon Town
Mavis Bank

St. Thomas
Cedar valley
Yallahs
Trinityville
Seaforth
Morant Bay
Bath

Portland
Manchioneal
Windsor
Port Antonio
Fruitful Vale
Caenwood
Kildare

St. Mary
Annotto Bay
Richmond
Highgate
Port Maria
Carron hall
Oracabessa
Gayle

St. Ann
Moneague
Claremont
St. Ann's Bay
Alexandria
Aboukir
Cave Valley
Browns Town

Trelawny
Jackson Town
Albert Town
Lowe River
Falmouth
Wakefield
Warsop

St. James
Latium
Maroon Town

Manual
Mechanical
Semi-Mechanical

Parish
St. Andrew
St. Thomas
Portland
St. Mary
St. Ann
Trelawny
St. James
Hanover
Westmoreland
St. Elizabeth
Manchester
Clarendon
St. Catherine

St. Andrew
Salisbury Plain
Temple hall
Pembroke Hall
Bull Bay
Gordon Town
Mavis Bank

St. Thomas
Cedar valley
Yallahs
Trinityville
Seaforth
Morant Bay
Bath

Spring Mount

Montego Bay

Anchovy

Catadupa

Hanover

Miles Town

Hopewell

Cascade

Lucea

Green Island

Westmoreland

Little London

Grange Hill

Williamsfield

Savanna-la-mar

Bethel Town

Darliston

New Works

Leamington

St. Elizabeth

New Market

Black River

Ginger Hill

Ipswich

Lacovia

Mountainside

Pedro Plain

Santo Cruz

Southfield

Balaclava

Braes River

Malvern

Junction

Manchester

New Forest

Cross Keys

Newport

Mandeville

Mile Gully

Comfort Hall

Christiana

Bellefield

Clarendon

Spaldings

Thompson Town

Frankfield

James Hill

Crooked River
Mocho
Chapleton
Lionel Town
May Pen
Rock River
Kellits
St. Catherine
Lluidas Vale
Watermount
Old Harbour
Kitson Town
Sligoville
Linstead
Peartree Grove
Harkers Hall
Spanish Town

St. Elizabeth	Manchester	Clarendon	St. Catherine	Hillside Farm
New Market	New Forest	Spaldings	Lluidas Vale	Relatively Flat Land Farm
Black River	Cross Keys	Thompson Town	Watermount	
Ginger Hill	Newport	Frankfield	Old Harbour	
Ipswich	Mandeville	James Hill	Kitson Town	
Lacovia	Mile Gully	Crooked River	Sligoville	
Mountainside	Comfort Hall	Mocho	Linstead	
Pedro Plain	Christiana	Chapleton	Peartree Grove	
Santo Cruz	Bellefield	Lionel Town	Harkers Hall	
Southfield		May Pen	Spanish Town	
Balaclava		Rock River	Lluidas Vale	
Braes River		Kellits	Guy's Hill	
Malvern				
Junction				