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INTER-AMERICAN INSTITUTE FOR COOPERATION ON AGRICULTURE

SIMON BOLIVAR FUND

SURVEY OF FOOD CROP
PRODUCTION AND PLANTING
INTENTIONS

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BRIDGETOWN, BARBADOS

DECEMBER, 1981



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INSTITUTO INTERAMERICANO DE COOPERACION PARA LA AGRICULTURA
 INTER-AMERICAN INSTITUTE FOR COOPERATION ON AGRICULTURE
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 INSTITUTO INTERAMERICANO DE COOPERAÇÃO PARA A AGRICULTURA

PROJECT: FOR THE IMPROVEMENT OF THE AGRICULTURAL OFFICE IN BARBADOS
 MARKETING SYSTEM IN BARBADOS

SIMON BOLIVAR FUND

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14 AGO 1985

SURVEY OF FOOD CROP
 PRODUCTION AND PLANTING
 INTENTIONS

BRIDGETOWN, BARBADOS

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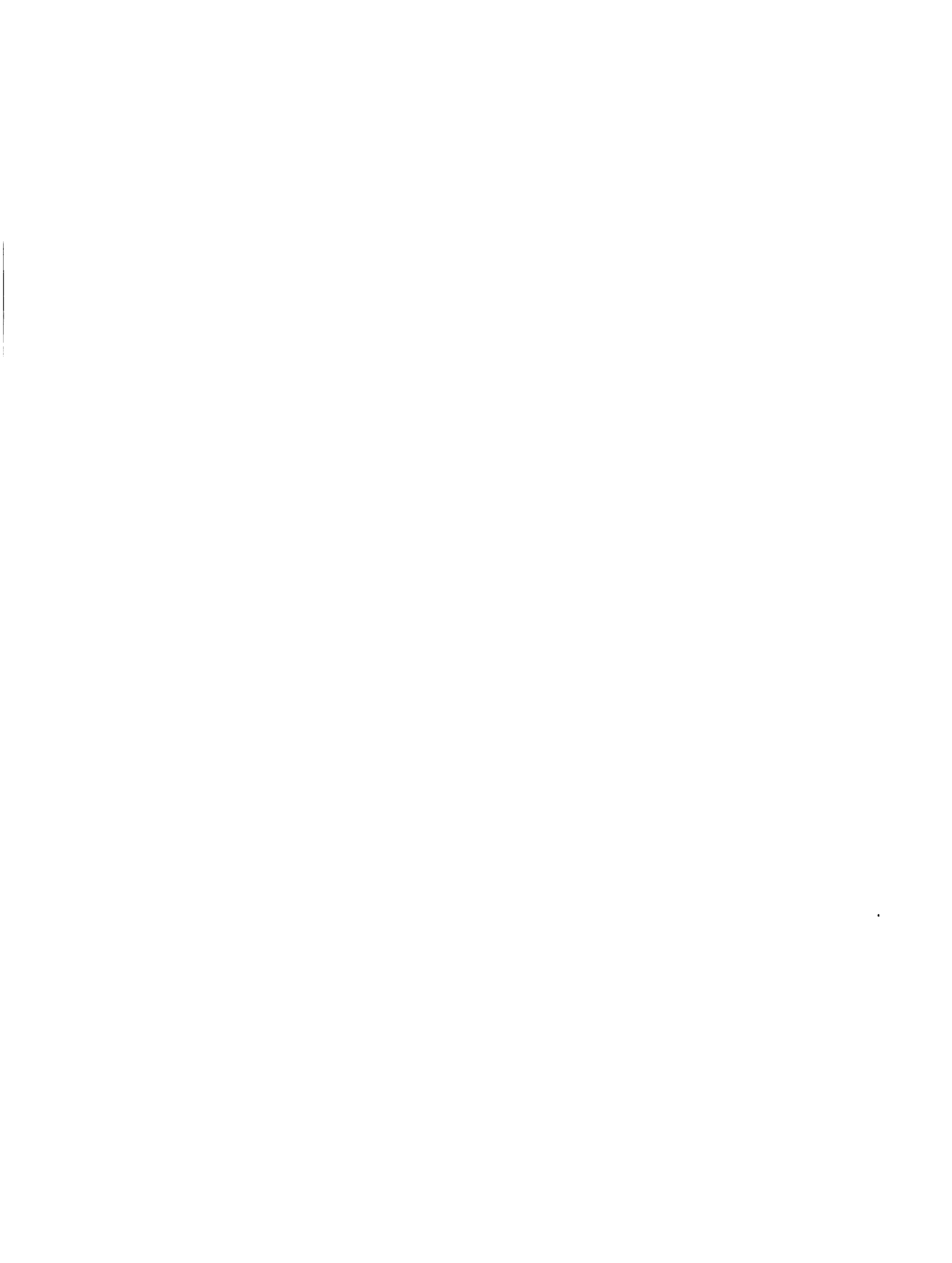
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INTRODUCTION

In 1979, an agreement was signed between the Ministry of Agriculture, Food and Consumer Affairs and the Inter-American Institute for Cooperation on Agriculture (IICA) for technical assistance in the field of agricultural marketing. The project is financed by funds from the Simon Bolivar Fund. The overall objective of the agreement is to improve the performance and efficiency of the marketing system in Barbados for non-sugar crops by strengthening the capabilities and marketing services of the Barbados Marketing Corporation (BMC) and other organizations involved in this field.

A number of background studies undertaken during the initial stages of the project highlighted the lack of agricultural production and marketing information available in Barbados. An improved information system is a necessary requirement in order to achieve permanent improvements in the marketing of agricultural commodities both in the domestic market and in export outlets.

In this report the details of a survey of food crop production and planting intentions are outlined. Particular emphasis is given to the questionnaire design, the mechanics of undertaking the survey, the sample of producers and the analysis of the information collected. It is hoped that the introduction of such a survey will provide the basis of an improved and more comprehensive information system.



The helpful collaboration of the Planning Unit of the Ministry of Agriculture, the BMC and the staff of the Barbados Agricultural Society in the provision of data and assistance is gratefully acknowledged.

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SURVEY OF FOOD CROP PRODUCTION
AND PLANTING INTENTIONS *

BACKGROUND

In order to monitor and stabilise the market for vegetables and other food crops in Barbados, a continuing survey of farmers growing these crops will be introduced. The information obtained from this survey will be utilised to

- i) regularly assess the supply and demand situation for vegetables and other food crops.
- ii) to take advantage of export opportunities, both in intra and extra regional markets for vegetables and other food crops, when planned export availabilities are in prospect.
- iii) identify, more precisely, weeks in the year when imports may be required so that these imports can be made on a timely basis without adversely affecting domestic production.
- iv) recommend any needed improvements in the marketing system and marketing services e.g. packaging, grading standards, transportation.

In this paper, details of the survey are outlined with particular reference to

- 1. Design of the questionnaire
- 2. Mechanics of undertaking the survey
- 3. Sample of producers
- 4. Analysis of information

* The helpful assistance of Vicki Munson in the preparation of this report is gratefully acknowledged

1. DESIGN OF THE QUESTIONNAIRE

A draft questionnaire is shown in Appendix I.

a) Format

The questionnaire would be in four parts - acreage planted, current production, planting intentions, prices. The information to be collected would be kept as simple as possible as it is likely that some vegetable producers included in the survey will not have detailed records. Particular emphasis will be placed on obtaining information on planting dates for each individual crop planted so that the quantity of produce coming on the market in particular months can be forecast.

Estimates of yields will be requested. As this part of the questionnaire is likely to involve a large degree of estimation, on-going estimates of yields will also be made based on information from agricultural stations, rainfall data, additional contact with specialist growers, monitoring of the incidence of pests and diseases.

b) Commodity Coverage

Emphasis will be initially placed on root crops and vegetables. Analysis of the information collected would be undertaken within the following classification:

Root Crops

Yams, Sweet potatoes, Eddoes/Tannias

Major Vegetables

Cabbage, Beans, Carrots, Beets,

Salad Vegetables

Tomatoes, Lettuce, Cucumber

Export Vegetables

Onions, Okras, Hot peppers

Other Vegetables

Sweet peppers, egg plant, christophene, cauliflower, etc.

2. MECHANICS OF UNDERTAKING THE SURVEY

In order to ascertain the most appropriate method of completing the questionnaire, a sample of farmers were interviewed. The replies received can be summarised as follows:-

i) Willingness of Farmers to Cooperate

The results of the interviews indicate that the majority of farmers are willing to cooperate. The need for more organized marketing would appear to be widely recognized. Small scale farmers had some reservations as to whether the information provided would be kept confidential or if they would obtain any benefits from the data they supplied.

ii) Frequency of the Survey

The timing of the survey is important in order to avoid wasting the time of farmers and other resources. Seasonal weather patterns are a helpful guide. The months of March, June, September and December appear to be the most appropriate for farm visits to be made. Every 6 weeks to 3 months was suggested as the most suitable frequency. A quarterly report appears to be the most practical.

It is proposed that a sample of specialist vegetable producers on farms above 5 acres be visited once every two months. Other producers in the sample would be surveyed once every quarter. In practice, it probably will be found that at some times of the year when little planting is undertaken e.g. July, August, fewer visits will be sufficient.

iii) Collection of Information

The enquiries indicated that the most effective method of collecting information on production and planting intentions is by direct personal contact with the producers. Although some farmers considered that a mail-in form would be best, experience from the BAS survey indicates that this method has proved inadequate. Mornings and evenings were viewed the best times of day for an enumerator to visit. All farmers considered 20 minutes was an adequate amount of time in which to provide the information requested. Most of the individuals questioned were in a position to provide data on planting and harvest dates. Information on planting intentions would be somewhat more difficult to provide on a regular basis. The area planted in food crops is measured by bed or plot by small scale farmers and an acreage figure could be provided by plantations. Yield is the most difficult information to acquire. Very few producers keep records of yield. Those that do keep records can give figures in pounds per acre or bags (in some cases pounds) per bed. All farmers interviewed considered they could give a yield estimate on a good/fair/poor basis.

iv) Need for Feed-back

Feed back to the farmer is necessary to develop the enumerator's credibility. Farmers must see some sort of output from the exercise or they will lose confidence in the project. It is most important that this return information be in a form easily understood by the individual. A quarterly newsletter would be practical. The newsletter should contain information on the crops from the previous quarter as well as current and intended production. It is important that the farmer be informed about possible gluts or shortages so he can plant accordingly. Advice on combating pest problems commonly associated with the crops being planted, farm gate prices and export potential of certain produce could also be included.

v) Requirements for Enumerators

To conduct the survey, at least 2 enumerators will be required. It will be essential that the enumerators selected should have good communication skills as well as an avid interest in agriculture. The enumerator will have to establish good rapport with the farmers in order to receive accurate and complete data. A knowledge of agriculture will also increase the credibility of the enumerator. He or she should be able to discuss intelligently and sympathetically with the producer many aspects of agriculture. For these reasons enumerators should not be moved around from district to district but should remain in one area so that the farmer becomes familiar with the individual.

vi) Public Relations

In order for the survey to be fully supported and to receive a satisfactory response, a publicity campaign will be necessary to

- (a) encourage farmers to provide the information requested.
- (b) emphasise the benefits which will result from the survey.
- (c) assure farmers that the information provided will be strictly confidential and will not be used for taxation purposes.

3. SAMPLE OF PRODUCERS

In order to make a complete survey of vegetable and fruit growers, it would be necessary to register all producers and then select a stratified sample. Such a procedure has been outlined in detail in the Working Paper on "An Alternative Strategy for the Development and Implementation of an Agricultural Statistical Information System for Barbados" presented to the Ministry in February 1980. Although this approach would give the most accurate and complete picture of crop prospects, it would have the following disadvantages:-

- i) time consuming
- ii) expensive
- iii) reluctance of farmers to be registered

An alternative is to develop lists of commercial growers and use these as a basis for an on-going survey of planting intentions etc. Such lists can be developed relatively quickly from

- i) BMC - contract producers
- ii) BAS - members and suppliers to its retail outlet
- iii) purchasing managers of supermarkets and other outlets for fresh fruit and vegetables

Since these growers will be active in the market in terms of commercial sales as well as representing a major proportion of total production, a fairly accurate assessment of future production trends can be obtained. A preliminary list of small producers obtained in this way is shown for each parish in Appendix II. A list of estates is outlined in Appendix III.

It is proposed that two samples of vegetable producers be established:-

- i) Food crop and vegetable producers in the estate sub-sector and large specialist vegetable producers. As these farms will grow a large part of total production, a substantial percentage (e.g. 60-70%) of the growers in this category would be included in the sample.
- ii) Vegetable growers on farms with more than $\frac{1}{4}$ acre. There will be a greater number of growers in this category and therefore it is probable that a smaller percentage (e.g. 30-40%) will be included in the sample.

4. ANALYSIS OF INFORMATION

Based on the information collected in the survey on acreages planted, estimated yields and planting intentions, on-going estimates of monthly production of each crop will be feasible. In order to calculate estimates of production, it will be necessary to have information on current yields and expected harvesting dates. As yields per acre and the time between planting and harvest will vary throughout the year, careful monitoring of crop developments will be necessary in addition to the regular schedule of farm visits.

Analysis of production outlook and planting intentions would be undertaken in relation to the various categories of vegetables viz:- root crops, major vegetables, salad vegetables, export crops and other vegetables (see pages 2-3)

APPENDIX I

SURVEY OF FOOD CROP PRODUCTION AND
AND PLANTING INTENTIONS

SURVEY OF FOOD CROP PRODUCTION
AND PLANTING INTENTIONS

DATE:

NAME(S):

ADDRESS:

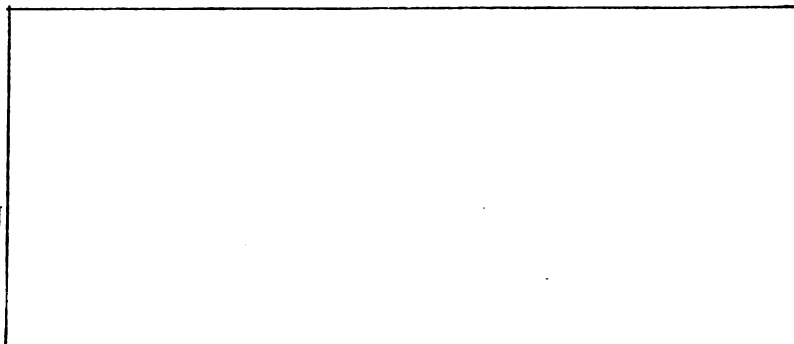
LOCATION:

TELEPHONE(S)

SIZE OF FARM:

AREA UNDER IRRIGATION:

MAP: OF
FARM
LOCATION



A. CURRENT PRODUCTION

A. <u>CURRENT PRODUCTION</u>				

B. PRODUCTION - PREVIOUS QUARTER

What quantity of produce have you harvested since our last visit?

CROP	HARVESTED AREA	HARVEST PERIOD	TOTAL YIELD

C. PLANTING INTENTIONS

What crops are you planning to plant in the next 3 months?

CROP	AREA	EXPECTED PLANTING DATE

D. PRICES

What prices have you received for sales of fruit and vegetables since our last visit?

CROP	PRICE	DATE OF	PURCHASER (e.g.)	QUALITY
------	-------	---------	------------------	---------

APPENDIX II

LIST OF SMALL FARMERS

ST. MICHAEL

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Allsopp, Sam	Mr. Friendship	$\frac{1}{4}$
Applewhaite, A	Bridge Gap	$\frac{1}{4}$
Bates, Orlando	Haggatt Hall	$\frac{1}{4}$
Bayley	Belle	
Baynes, F.	Haggatt Hall	$\frac{1}{4}$
Best, Walter	Flagstaff Rd.	$\frac{3}{4}$
Brewster, Neville	Flagstaff Rd.	2
Browne	Pasture Rd. Haggatt Hall	$\frac{1}{4}$
Callender, Erskine	Bank Hall Cross Rd.	$\frac{1}{4}$
Carrington, Rudolf	Long Gap	$\frac{1}{2}$
Chandler, Delores	1 st Ave Goodland	$\frac{1}{2}$
Chandler, Douglas	Goodland Main Road	
Collymore, George	Jackman	$\frac{1}{2}$
Davis, Livingston	Belle	5
Denny, Leroy	Bridge Gap	$\frac{1}{2}$
Farn, M ^C Donald	Haggat Hall	$\frac{1}{4}$
Fields	Ivy Road	$\frac{1}{4}$
Forde, Livingston	Mt. Friendship	$\frac{1}{4}$
Forde, Martin	Grazettes, Main Rd.	$\frac{3}{4}$
Gibbons	Bridge Gap	$\frac{1}{4}$
Gibbons, Darnley	3 rd Ave. Goodland	$\frac{1}{4}$
Gibbs, Lloyd	Yearwood Land	$\frac{1}{2}$
Gittens, Evans	Haggat Hall	$\frac{1}{2}$
Gittens, G.	Sinclair Rd. Haggat Hall	$1\frac{1}{2}$
Griffith, M ^C Donald	Monroe Road, Haggat Hall	$\frac{1}{4}$
Harewood, Walter	Goodland	$\frac{1}{4}$

1. 2

ST. MICHAEL-CONTINUED

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Harper, Sinclair	Sargeants Village	
Mr. Herbert	Goodland	
Mr. Jones	Goodland	
Joseph, Alfred	Belleville	
Joseph, S		
Jordan	Goodland	$\frac{1}{2}$
Kirton, Guy	Mt. Friendship	$\frac{1}{4}$
M ^C Collin, Christopher	Monroe Rd. Haggat Hall	$\frac{1}{2}$
Farris, Joseph	Bridge Gap	$\frac{1}{4}$
Riley	Belle	
Sandiford, Basil	Hothersal Turning	$\frac{1}{4}$
Smith, Arthur	Pasture Rd. Haggat Hall	$2\frac{1}{2}$
Smith, G	Pasture Rd. Haggat Hall	$\frac{1}{4}$
Sweany,	Haggat Hall	$\frac{1}{2}$
Welch, Kipling	Grazettes	$\frac{1}{4}$
Wilson, Raymond	Cozy Corner, Haggat Hall	$2\frac{3}{4}$
Winifred, A.	Passage Rd.	
Worrell	Bridge Gap	$\frac{1}{4}$
Yearwood	Goodland	$\frac{1}{4}$

CHRIST CHURCH ✓

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Archer, Raymond	Montrose	$\frac{1}{2}$
Ashby, Marjorie	Thyme Bottom	$\frac{1}{4}$
Atherly, Whitmore	Gibbons Bogg	10
Atkins, Otho	Enterprise	$1\frac{1}{2}$
Bellamy, Frank	Gibbons Bogg	6
Betham, Cassie	Enterprise	$\frac{1}{2}$
Best	St. David's	$\frac{1}{4}$
Best, Clayton	Thyme Bottom	$\frac{3}{4}$
Best, Clovie	Montrose	2
Best, Dudley	Thornbury Hill	$\frac{1}{2}$
Best, M ^c Donald	Silver Hill	1
Bispham, Rita	Chancery Lane	1
Bourne, F.	St. Christopher	1
Brathwaite, L.B.	Thyme Bottom	$\frac{3}{4}$
Brathwaite, Merton	Sayes Court	3
Brathwaite, Winston	Gibbons Bogg	6
Brewster, Darnley	Gibbons Bogg	4
Brewster, Neville	Christ Church	2
Bynoe, Athelston	Wilcox	4
Callender, A.	Pigrim Place	1
Callender, Lincola	Enterprise	1
Callender, M ^c Donald	Montrose	$\frac{1}{2}$
Carter, Harcourt	Chancery Lane	2
Carter, J	Charnocks	$\frac{1}{2}$
Carter, Joseph	Pilgrim Road	$\frac{1}{2}$

CHRIST CHURCH - CONTINUED

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Chase,		
Clarke,	St. David's	$\frac{1}{2}$
Clarke, A.	Fairview	$\frac{1}{2}$
Clarke, Alfred	St. Christopher	$\frac{3}{4}$
Clarke, Ivan	St. David's	2
Clarke, R.	Silver Sands	$\frac{1}{2}$
Collins	Gibbons Bogg	
Collins, (Mrs)	Frere Pilgrim	
Cox, Arthur	Gibbons Bogg	4
Cricklow, Joyce	Wilcox	2
Cricklow, Lewis	Gibbons Bogg	10
Cricklow, Louis	Little Battaleys	2
Daniel, John	Ealing Grove	5
Dempster, Bruce	Gibbons Bogg	4
Denny, S.	Silver Sands	
Drayton, Calvin	Enterprise	4
Durrant, William	Fairview	2
Eastman,	St. David's	$\frac{1}{2}$
Eastmond, Henderson	Montrose	$\frac{1}{2}$
Eversley, Joseph	Wilcox	1
Fields, Peter	18 Frere Pilgrim	$\frac{1}{2}$
Forde, C.	Silver Hill	1
Forde, Gilbert	Gibbons Bogg	12
Francis Joseph	Charnocks	5
Gay, Marion	Hopewell	$\frac{1}{2}$
Gittens, Uric	Gibbons Bogg	4

CHRIST CHURCH - CONTINUED

Graham, Ronald	Enterprise	1½
Greenidge, Bindley	Enterprise	½
Griffith, Joseph	Chancery Lane	2
Grovenor	Gibbons Bogg	4
Hampden, Desmond	Gibbons Bogg	4
Hampton,	Gibbons Bogg	11
Harding, Crawford	Gibbons Bogg	2¾
Harris, Charles	Gibbons Bogg	4
Humphrey,	Gibbons Bogg	3
	Enterprise Tenantry A & B	2
Jackman, H.	Gibbons Bogg	6
Jackman Harold	Gibbons Bogg	2
King, Douglas	Cox Road	2
King, F.	Enterprise	½
King, Fitzgerald	Pilgrim Place "B"	½
King, Lionel	Thyme Bottom	½
King, Norman	Goodland	1½
King, Walter	Lodge Road	½
Kirton, Colis	Upper Carter's Gap	2½
Knight, Clairmont	Silver Hill	1
Lashley, Llewelyn	Parish Land	1½
Layne, A	MOntrose	½
Layne, Ashton	Dayrell's Hill	¾
Layne, E.	Enterprise	½
Lorde, Herbert	Gibbons Bogg	¼
Lovell,	Carter's Gap	½

CHRIST CHURCH - CONTINUED

Maloney, Egbert	Chancery Lane	4
Mapp A.	Cox Road	1
Marshall	St. David's	1
Millar, E.	Enterprise	$\frac{1}{2}$
Morrison, A	Lodge Road	$\frac{1}{2}$
Moseley, Foster	Pilgrim Road	$\frac{1}{2}$
Nurse	Cox Road	$\frac{1}{2}$
Nurse, Duncan	Enterprise	$\frac{3}{4}$
Parris, Livingston	New Spencers	3
Phillips, A.	Enterprise	3
Pinkett	Gibbons Bogg	6
Price, Julian	Enterprise	$1\frac{1}{2}$
Rollins, Dennis	Lower Silver Hill	$\frac{3}{4}$
Rollins, E.	Walls Tenantry	2
Sandiford, Albert		
Sealy, L	Silver Sands	
Simpson, H.	Silver Sands	5
Simpson, Winston	Enterprise	$1\frac{1}{2}$
Smith, Clarence	Gibbons Bogg	1
Smith, Sydney	Gibbons Bogg	4
St. John, E.	Gibbons Bogg	4
Stuart, Darnley	Ealing Gorge	5
Stuart, S	Gibbons Bogg	4
Suttle, Glenfield	Sayes Court	$1\frac{1}{4}$
Taylor, Keith	Silver Hill	$1\frac{1}{4}$
Trotman, Israel	Silver Hill	$\frac{3}{4}$

CHRIST CHURCH - CONTINUED

Walcott, Lemuel	Gibbons Bogg	10
Walcott, Leonard	Pegwell	1
Walcott, M	Lodge Road	$\frac{1}{2}$
Ward, Andrew	Sayes Court	1
Watkins, Kenneth	Enterprise	$\frac{3}{4}$
Welch, Leon	Pegwell	1
Wharton	Frere Pilgrim	
Wharton, Joseph	Cox Road	1
Williams, Desmond	Bournes Land	2
Yarde, A	Cox Road	1

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ST PHILIP

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Alleyne, C.	Eastbourne	
Alleyne, Darnley	Well House	$\frac{1}{4}$
Alleyne, Melvin	Long Bay/Eastbourne	$\frac{1}{4}$
Arthur, S.	Gemswick	$\frac{1}{2}$
Barrow, Millicent	Rices	$\frac{1}{4}$
Blades, S	Merricks	$\frac{1}{4}$
Bradshaw, Joseph	Woodburn	$\frac{1}{4}$
Branch, C	Golden Acres	2
Brathwaite, C	Merricks	$\frac{1}{4}$
Brathwaite, Dick	Eastbourne	1
Brathwaite, Irina	Sealy Hill	2
Brathwaite, Lolita	Foul Bay	$\frac{1}{4}$
Brathwaite, Millicent	Foul Bay	$\frac{1}{4}$
Bridge Farms Ltd	nr. Wiltshire Pltn	52
Browne, Ernest	Waterhall	$\frac{1}{4}$
Browne, George	Eastbourne	
Browne, Reynold	Kirtons	1
Burton, Gerald	Duncans	$\frac{1}{4}$
Bushelle, Ernesta	Foul Bay	$\frac{1}{4}$
Callender, Clarence	Kirtons	$\frac{1}{2}$
Clarke, L.	Lyders Hill	
Clarke, Lisle	Marley Vale	4
Clarke, Ronald	Farm Road	$\frac{1}{4}$
Coppin, Herbert	Foul Bay	$\frac{1}{4}$

ST. PHILIP - CONTINUED

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Coppin, Ianthe	Foul Bay	$\frac{1}{4}$
Coppin, Velda	Foul Bay	$\frac{1}{4}$
Corbin, Douglas	Farm Road	15
Davis, A	Drakes	1
Doughty, Violet	Foul Bay	$\frac{1}{4}$
Edghill, Fred	Sea View	$\frac{1}{2}$
Edghill, M	Sandiford Land	
Farm Fresh	nr. Three Houses	
Fingall, C	Ruby Road	$\frac{1}{2}$
Garner, D	Marchfield	$\frac{1}{4}$
Garnet, C	East Point	1
Gaskin, Ormond	Marley Vale	$\frac{1}{4}$
Gittens, Victor	Union Road	$\frac{1}{4}$
Goddard, Tiveal	Eastbourne	$\frac{1}{2}$
Grazette, William	Long Bay	2
Greenidge, George	Rices	1
Greenidge, Lisle	Lucas Street	$\frac{1}{4}$
Greenidge, Wilfred	Kirtons	$\frac{1}{4}$
Harding, Sherlock	Heddings	1
Harris, Conrad	St. Martin's	2
Haynes, C	Bayfield	2
Haynes, Joseph	Ebenezer	$\frac{1}{2}$
Hinkson, Shirley	Lucas Street	$\frac{1}{4}$
Hunte, Merton	Long Bay	$\frac{1}{2}$
Inniss, Claudine	Waterhall	$\frac{1}{4}$
Jackman, E	Eastbourne	
Jordan, Lisle	Clarke's Village	1

ST. PHILIP - CONTINUED

Kelly, Hyacinth	Kirtons	
Kirtón, Clarence	Foul Bay	4
Kirton, Frank	Johnson Rd., Foul Bay	$\frac{1}{2}$
Linton, C	Lucas Street	4
Lucas, Eliot	Well House	$\frac{1}{4}$
Marshall, James	Foul Bay	$\frac{3}{4}$
Mayers, E	Sandiford	$\frac{1}{4}$
Mayers, Walter	Sealy Hill	3
Moe, John	Bayfield	$\frac{1}{2}$
Murrell, Winston	Clarke's Hill	$\frac{1}{2}$
Nelson, Frank	Kirtons	1
Nelson, John	Kirtons	$\frac{1}{4}$
Parris Brothers	Crane	
Parris, O	East Point	2
Pollard, Gordon	Waterhall	$\frac{1}{4}$
Pollard, Marjorie	Muricks	$\frac{3}{4}$
Proverbs, P	Ruby	4
Proverbs, Granville	Union Road	1
Sargeant, Dorean	Hopeland	$\frac{1}{4}$
Sargeant, E	Foul Bay	$\frac{1}{4}$
Sealy, John	Duncans	$\frac{1}{4}$
Selman, Dudley	Wheelers	4
Shepherd, Trevor	Union Road	$\frac{1}{4}$
Thompson, Rosalie	Foul Bay	$\frac{1}{4}$
Trotman, Cecil	Well House	

ST. PHILIP - CONTINUED

Waite, C	Woodbourne	1
Wedderburn, George	Bayfield	$\frac{1}{4}$
Wharton, John		
Wilkinson, F		
Williams, Whitfield	Foul Bay	$\frac{1}{4}$
Wiltshire	Kirtons	$\frac{1}{2}$
Wiltshire, Thelma	Kirtons	$\frac{1}{4}$
Wood, G	Four Roads	
Yearwood, Cecil	Work Hall	4
Year, Thelma	Bayfield	$\frac{1}{2}$

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ST. GEORGE

VEGETABLE GROWERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Adams, Theophilus	Salters	$\frac{1}{4}$
Alleyne,	Salters	1
Belle, Ralph	Newbury	$\frac{3}{4}$
Best, Breresford	Newbury	1
Blackman	Rowans	1
Blackman, Francis	22 Rowans	$\frac{1}{4}$
Blackman, W.	Rowans	3
Bullen, Rossivelt	Rowans	4
Bullins	Rowans	1
Clarke, Lynchfield	Newbury	$1\frac{1}{2}$
Croney, G		
Eversley, Doris	Rock Hall	1
Gibbs (Mrs)	Cottage	
Haynes		
Heywood, J.	Salters	
Howards, Johnnie	Salters	1
Ifill, Edwin	Newbury	2
Innis, Conrad	Sweet Vale	1
Lawrence	Sweet Vale	2
Mapp	Rowans	$\frac{1}{2}$
M ^c Conney, Eustace	Workman's	$\frac{3}{4}$
M ^c Conney, Dr. J.	Rowans	4
Morris, Leroy	Flatrock	1
Niles		
Padmore, John	St. Judes	6
Parris, Stanley	Workman's	$2\frac{1}{2}$
Reifer, Cyril	Workman's	2

ST. GEORGE - CONTINUED

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Sealy, Kenneth	Ellerton	4
St. Hill, Seymour	Salters	$\frac{1}{2}$
St. John, (Dr.)	Salters	2
Ward, Dr. Mark	Salisbury	$1\frac{1}{2}$
Wood, Lloyd	Walkers Valley	$1\frac{1}{2}$

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ST. PETER

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Arthur, O.	Rose Hill	
Bend, Uris	Rose Hill	$\frac{1}{4}$
Boyce, Carson	Ashton Hall	$\frac{1}{4}$
Boyce, Rosalyn	Boscobelle	
Boyce, Vivian	Boscobelle	$\frac{1}{4}$
Broomes, Eustace	Burma Rd.	$1\frac{1}{4}$
Broomes, Eustice	Farm Rd.	2
Clarke, Wendell	Rose Hill	
Corbin, Pedro	Maynard	
Cumberbatch, E	Olton Valley	$\frac{1}{4}$
Cumberbatch, Gerald	Rose Hill	
Edwards, Hazel	The Whim	$\frac{1}{2}$
Glasgow, Clayton	Rose Gate	1
Goodridge, Marry	Six Men's	$\frac{3}{4}$
Grant, S.	Black Bess	$\frac{1}{4}$
Greaves, Oliver	Road View	$\frac{1}{2}$
Griffith, Ula	Rock Dundo	$\frac{1}{4}$
Hood, Edward	Rose Hill	$\frac{1}{4}$
Hood, Gwendolyn	Mount	$\frac{1}{4}$
Husbands, Melva	Ashton Hall	
Johnson, Elma	Boscobelle	$\frac{1}{4}$
Johnson, Fred	Rose Hill	
Jordan, Fitz	Farm Road	$\frac{1}{4}$
Knight, Hazeldine	Rock Dundo	$\frac{1}{4}$
Sandiford, Leon	Rose Hill	$\frac{1}{4}$

Mile + Quarter.

ST. PETER - CONTINUED

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Scantlebury, Keith	Indian Ground	
Small Arthur	Farm Road	
Stanton, S.	French Village	$\frac{1}{4}$
Walkes, T.	Gays	2

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ST. JOHN

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Antrobus, Jane	Rose Gate	$\frac{1}{4}$
Barnes, Prince	Massiah Street	$\frac{3}{4}$
Beckles, Evans	Massiah Street	4
Bennet, L.	Rose Gate	$\frac{1}{2}$
Bridgeman, Ada	Massiah St.	$\frac{1}{4}$
Browne, Ina	Stewart Hill	$\frac{1}{4}$
Brown, Louis	Massiah St.	$\frac{1}{2}$
Bynoe, Byron	Rose Gate	$\frac{1}{2}$
Campbell,	Bath	4
Cooke	New Castle	1
Edwards, Ernest	Stewart Hill	$\frac{1}{2}$
Estwick, W.	Venture	3
Graham, A.	Mt. Tabor	$\frac{1}{2}$
Graham, Stanley	Stewart Hill	$\frac{3}{4}$
Harewood, C.&.F.	Massiah Street	2
Marshall, Grafton	Massiah Street	$1\frac{1}{2}$
Proverbs, M.		
Quityne, C	Stewart Hill	1
Sargeant, Marion	Stewart Hill	$\frac{1}{4}$
Shepherd, (Mrs)		

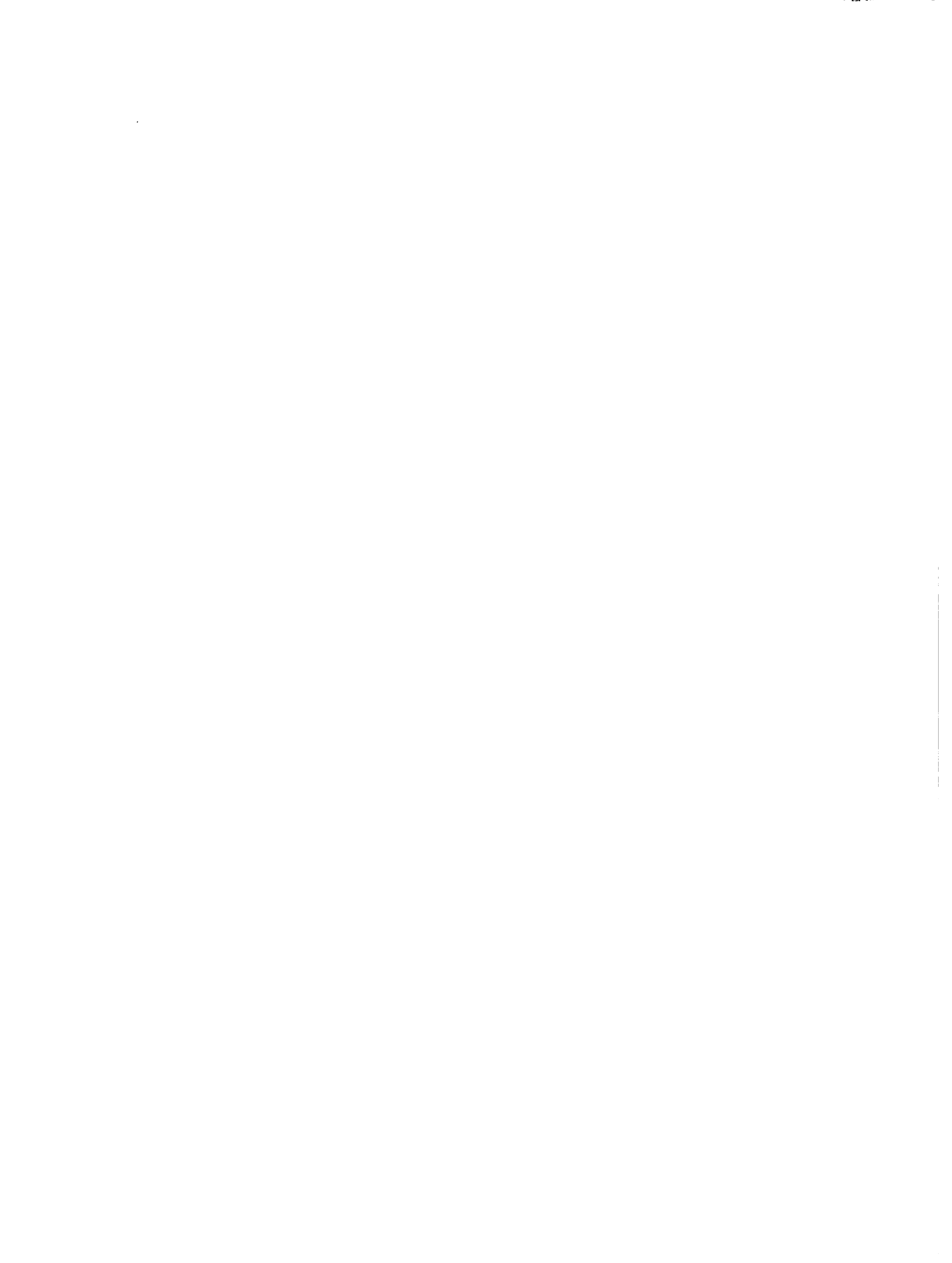
ST. LUCY

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Benn, C		
Boyce, Steven		
Gill	nr. Roaches Pltn.	
Greaves, Carlton	Checker Hall	$\frac{1}{4}$
Greaves, Darnley	Checker Hall	$\frac{1}{4}$
Greaves, Fitz. R	Allman's	$3\frac{1}{2}$
Greaves, Roy	Checker Hall	$\frac{1}{2}$
Griffith, Y		
Husbands, Allan	Babbs	$\frac{1}{4}$
Ifill, Ezbon	Bethans	1
Leslie, J	Exchange	$\frac{1}{4}$
Mitchell, Marcus	St. Lucy's Rectory	$\frac{1}{2}$
Sobers, Sylvia	Checker Hall	$\frac{1}{4}$

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Checker Hall.



ST. ANDREW

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Bourne, Ivan	Belleplaine	4
Bryan, Stella	Hillaby	$\frac{1}{4}$
Maynard, Montrose	Mount All	$\frac{1}{4}$
Scantlebury, Laval	Sedge Pond	3
Straker, Keith	Sedge Pond	$3\frac{1}{2}$
Thompson, Clarence	Baxters	1

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ST. JAMES

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Bannister	Thorpes	$\frac{5}{8}$
Beckles, Verity	Hoyte Village	$\frac{1}{4}$
Corbin Mark	Parish Land	1
Gaskin T		
Green (Mrs)	Prospect	$1\frac{1}{2}$
Hall, Alfred	Hall's Village	$\frac{1}{2}$
Hewitt, (Mrs)	Western	
Hope, C.	Lower Carlton	$\frac{1}{4}$
Husbands, C	Upper Mount Standfast	$\frac{1}{4}$
Johnson, M.	Carlton	
Kellman, B	Mount Standfast	$\frac{1}{4}$
Lynch	Durant's Village	1
Michelini, Stan	Waterhall	2
Quintyne, Esan	Western	$\frac{3}{4}$
Springer, Lester	Appleby Gardens	$\frac{1}{2}$
Williams, L.	Lower Carlton	$\frac{1}{4}$

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ST. THOMAS

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Alleyne, Frederick	Vault Road	$\frac{1}{4}$
Barker, Trevor	Hillaby	2
Bullen, Ernesta	Welchman Hall	$\frac{1}{4}$
Carrington, Keith	Vault Road	1
Chrick, Eileen	Mellows Village	$\frac{1}{4}$
Cumberbatch, Enid	Vault Road	$\frac{1}{4}$
Goodridge E.	Redman's Village	
Hoyte, DaCosta	Porey Spring	$\frac{1}{2}$
Hoyte, Mintha	Porey Spring	$\frac{1}{2}$
Knight, Gwendolyn	Vault Road	$\frac{1}{4}$
Maynard, Ordena	Vault Road	$\frac{1}{4}$
Parris, Stella	Vault Road	$\frac{1}{4}$
Sealy, O	Vault Road	$\frac{1}{4}$

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ST JOSEPH

VEGETABLE PRODUCERS

<u>NAME</u>	<u>VILLAGE</u>	<u>ACREAGE</u>
Alleyne, Albert	nr. Springfield Pltn.	
Blackman, Allan	Blackman's Tenantry	$\frac{1}{4}$
Carrington, Myrtle	Sugar Hill	$\frac{1}{4}$
Clarke, Edmund	Cleaver's Hill	$\frac{1}{2}$
Cox, Eleanor	Sugar Hill	$\frac{1}{4}$
Cumberbatch, Alphonsa	Sugar Hill	$\frac{1}{4}$
Downes, Glester	St. Elizabeth	1
Gibson, M.	Easy Hall	
Greaves, Lillian	Sugar Hill	$\frac{1}{4}$
Hinkson, Simeon	Spa Hill	$\frac{1}{2}$
Marshall, M ^c Donald	Sugar Hill	$\frac{1}{4}$
Michelin, Stan	Vaughs	5
Nichols, Pearl	Mellows	1
Ward, J	Chimborazo	1
Worrell, L.		
Yearwood, Irene	Sugar Hill	$\frac{1}{4}$

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APPENDIX III

LIST OF ESTATES



PLANTATION LISTING

ESTATE	PARISH	ARABLE ACREAGE	IRRIGA- TION	VEGETA- BLES	ROOT CROPS
ADAMS CASTLE	Christ Church	178.5			X
ALLEYNEDALE	St. Peter	450		X	
APE'S HILL & SPRING	St. James	325			
APPLEWHAITES	St. Thomas	1168.25			X
ASHBURY	St. George	240			X
ASHFORD	St. John	166			X
AUBURN	St. Joseph	18			
AYSHFORD	St. Thomas			X	X
BAKERS	St. Peter	187.5			X
BALLS	Christ Church	276			
BANNATYNE	Christ Church	182.25			X
BARNWELL	St. Thomas	12			
BATTLEYS	St. Peter	52	X	X	
BAXTERS	St. Andrew	132			
BELLE	St. Michael	338.75		X	X
BELLEFARM	St. Thomas	34.75			
BENNETTS	St. Thomas	484.25		X	X
BENTLEY	St. Philip				
BISSEX HILL, PARKS & SENIORS	St. Joseph	427.75		X	X
BLACK BESS	St. Peter	180	X	X	X
BLOWERS	St. James	250			
BOARDED HALL	St. George	526		X	X
BOURBON	St. Lucy	430			X
BOWMANSTON	St. John	200		X	X
BRIGHTON	St. George	273		X	X
BROMEFIELD & HANNAYS	St. Lucy	410	X	X	X



PLANTATION LISTING CONT'D

ESTATE	PARISH	ARABLE ACREAGE	IRRIGA- TION	VEGETA- BLES	ROOT CROPS
BULKELEY- JORDANS	St. Geoerge	540.25		X	X
BURNT HOUSE	St. Peter	120			
BUSHY PARK	St. Philip	236			X
BUSHY PARK	St. Thomas	52			X
BUITALS- WINDSOR	St. George	440.25		X	X
CANEFIELD	St. Thomas	210			X
CANEGARDEN	St. Thomas	219			X
CARLTON	St. James				
CARRINGTON ESTATES	St. Philip	850		X	X
CASTLE- LAMBERTS	St. Peter	690.75			X
CASTLE GRANT- REDLANDS	St. Joseph				X
CHECKER HALL	St. Lucy	36			X
CLAYBURY	St. John	235		X	X
CLELAND	St. Andrew	204		X	
CLEMENT ROCK	St. Joseph	20			
CLEREMONT	St. James				
CLIFF	St. John	178		X	X
CLIFTON	St. Thomas	172		X	X
CLIFTON HALL	St. Thomas	275.75		X	X
CODRINGTON COLLEGE	St. John				
COLLETON	St. John	360		X	X
COLLETON	St. Peter	152			
CONGO ROAD	St. Philip	190	X	X	X
CONSTANT	St. George	433.25	X	X	X
CONTENT	St. Thomas				

PLANTATION LISTING CONT'D

ESTATE	PARISH	ARABLE ACREAGE	IRRIGA- TION	VEGETA- BLES	ROOT CROPS
COTTAGE-GROVES COVE	St. George St. Lucy	235 20			X
CRAB HILL	St. Lucy	140	X	X	X
DRAX HALL	St. George	484			X
DUKES FORTRESS	St. Thomas	178.25			X
DUNSCOMBE	St. Thomas	578.25		X	X
EASTMONT	St. John	34			
EAST POINT	St. Philip	14			
EAST POINT	St. Philip	12			
EASY HALL - BLACKMANS	St. Joseph	611			X
EBNORTH	St. Peter	48			X
EDGECLIFF	St. John	35			
EDGECUMBE	St. Philip	920	X	X	X
EDGEHILL	St. Thomas				
EGERTON	St. Michael				
ELLESMERE	St. George	90			
EXCHANGE	St. Thomas	70			X
FAIRMONT	St. Peter				
FAIRVIEW	St. George	250			
FAIRVIEW FARM	St. George	125			X
FARM	St. George	120			
FARM	St. Peter	83		X	X
FARMERS	St. James				
FISHERPOND ANDREWS	St. Thomas	528			X
FOSTER HALL	St. Joseph	107			
FOSTER LODGE	St. George	37			

PLANTATION LISTING CONT'D

ESTATE	PARISH	ARABLE ACREAGE	IRRIGA- TION	VEGETA- BLES	ROOT CROPS
FOUR HILL	St. Peter	272			
FOURSQUARE	St. Philip	542.5			X
FRANCIA-MAYFIELD	St. George	44			
FRERE PILGRIM	Christ Church	198.5			
FRIENDLY HALL	St. Lucy	125	X	X	X
FRIENDSHIP	St. Andrew	113			X
FRIENDSHIP FARM	St. Michael	183		X	X
FRIZIERS- MELLOWES	St. Joseph	200			
GIBBONS	Christ Church	74			
GIBBONS	Christ Church	40			
GOLDEN GROVE	St. Philip			X	X
GREGG FARM	St. Andrew	65.5			
GREENWICH	St. James	14			
GROVE	St. Philip	470	X	X	X
GUINEA	St. John	454			X
HAGGATT HALL	St. Michael	44			
HALTON	St. Philip	185		X	X
HANNAYS	Christ Church	532.5			X
HANSON	St. George	300			X
HARRISONS	St. Lucy	204.5			
HARROW	St. Philip	309			X
HAYNES HILL	St. John	65.5			
HILLBURY	St. George	10			
HILL VIEW	St. Philip	32		X	X
HOPE	St. James	29			
HOPEWELL	St. Thomas	392.75		X	X

PLANTATION LISTING CONT'D

ESTATE	PARISH	ARABLE ACREAGE	IRRIGA- TION	VEGETA- BLES	ROOT CROPS
HOTHERSAL	St. John	311		X	X
HUSBANDS	St. Lucy	180			
JOES RIVER	St. Joseph	170		X	X
KENDAL	St. John	534		X	X
KIRTONS	St. Philip	42		X	
LAMMINGS	St. Thomas				
LANCASTER	St. James	282.5			
LEARS	St. Michael	472			
LION CASTLE	St. Thomas	165		X	X
LOCUST HALL	St. Thomas				
LODGE	St. Michael	20.5			
LOWER ESTATE	St. Michael	473			
LOWLAND	Christ Church	143			
LOWLAND	St. Lucy	96			
LOWTHERS	Christ Church	238.25		X	X
MALVERN	St. John	258			
MANGROVE	St. Peter	132.25			X
MANGROVE	St. Philip	103.5			
MAPPS-SANDFORD	St. Philip	80			
MARKET HILL	St. George	31			
MAYNARDS	St. Peter	115			
MONCRIEFFE	St. John	144.5		X	X
MORGAN LEWIS	St. Andrew	142			
MOUNT	St. George	180		X	X
MOUNT BREVITOR	St. Peter	104			
MOUNT GAY- OXFORD	St. Lucy	430			X
MOUNT PLEASANT	St. Philip	344			X

PLANTATION LISTING CONT'D

ESTATE	PARISH	ARABLE ACREAGE	IRRIGA- TION	VEGETA- BLES	ROOT CROPS
MOUNT STANDFAST	St. James	500			
MOUNT STEPNEY	St. Peter				
MOUNT WILTON	St. Thomas	386.5		X	X
NEILS	St. Michael	215			
NEWTON	Christ Church	292.5			
NORWOOD	St. James	319			
OLDBURY	St. Philip	200			
ORANGE HILL	St. Peter	182.5			
PALMERS LAND	St. Philip	36.25		X	X
PALMERS	St. Philip	100.5		X	X
PICKERINGS	St. Lucy	260			X
PLEASANT HALL	St. Peter	200		X	X
PLEASANT VALE	St. Thomas	24		X	X
PLUM TREE	St. Thomas	106			X
POLLARDS	St. Michael			X	X
POOL	St. John	334			X
PORTLAND	St. Peter	191		X	X
PRIOR PARK	St. James	83			
PROSPECT	St. James				
RICHMOND HILL	St. Peter	70			
RIDGE	Christ Church	1013.25			X
RIDGEWAY	St. Thomas	132			X
RIVER	St. Philip	525.5			
ROACHES	St. Lucy	25			X
ROCK	St. Peter	80		X	X
ROCK HALL (1)	St. Peter	188		X	X
ROCKLESS (2)	St. Peter	16			
ROCKLESS	St. Peter	16			

PLANTATION LISTING CONT'D

ESTATE	PARISH	ARABLE ACREAGE	IRRIGA- TION	VEGETA- BLES	ROOT CROPS
ROSE HALL	St. George	50			
ROWANS	St. George	156			
RUBY	St. Philip	300			
SANDY HILL	St. Philip				
SEARLES	Christ Church	514			X
STON HILL- INDIAN POND	St. James	140			X
SMALL HOPE	St. John	14.5			
SOCIETY	St. John	240			
SPRING FIELD	St. Joseph	150			
SPRINGHEAD	St. James	140		X	
SPRING VALE- DAYRELLS	St. Andrew	125			
STAPLE GROVE	Christ Church	500			X
STERLING	St. Philip				
ST. NICHOLAS	St. Peter	220			X
STRONG HOPE	St. Thomas				
SUNBURY- HAMPTON	St. Philip	612			X
TAITTS	St. James	146.5			
TAMARIND HALL	St. Joseph	11.75			
THICKETT- FORTESCUE	St. Philip	777			X
TODDS-HENLEY	St. John	654		X	X
TRENTS	St. James	178			
TURNERS HALL	St. Andrew	288		X	X
UNION HALL	St. Philip	25			
VALE VIEW	St. Philip	23			
VALLEY	St. George	223		X	X
VAUCLUSE	St. Thomas	501		X	X

PLANTATION LISTING CONT'D

ESTATE	PARISH	ARABLE ACREAGE	IRRIGA- TION	VEGETA- BLES	ROOT CROPS
VICTORIA	St. John	84		X	X
VINEYARD	St. Philip	309			
WAKEFIELD	St. John	235		X	X
WALKERS	St. George	118			X
WALKESPRING	St. Thomas	333		X	X
WARLEIGH- HAYMANS	St. Peter	389	X	X	X
WARNERS	Christ Church	85			
WALLENS- WELSCHES	St. Michael	230			
WATERFORD	St. Michael	86			
WATERHALL	St. James	208			
WELCHTOWN	St. Peter	233			X
WESTMORELAND	St. James	459.25			
WHITEHALL	St. Peter				
WILTSHIRE	St. Philip	90			
WOODLAND	St. George	107		X	X
WOTTON	Christ Church	295.25			X
YORKSHIRE	Chrish Church	319			X

