



SURVEY OF THE SEED SECTOR OF SEYCHELLES
On behalf of The African Seed Trade Association

October 2010

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Background

General Country and Agricultural Profile

The Republic of the Seychelles is an archipelago of over 112 islands occupying the south western part of the Indian Ocean between 4 and 10 degrees South latitude and spread over an Exclusive Economic Zone (EEZ) of about 1.4 million square kilometers. The main island of Mahe lies 1,800 kilometers east of Mombasa on the East Africa Coast, 930 kilometers north east of Madagascar and 2000 kilometers south west of the coast of India. The total land area of the country is 452.5 square kilometers. Mahe has an area of 152.5 km², Praslin 37.56 km² and La Digue 10.1km² respectively.

The climate is humid tropical with an annual mean temperature of about 27°C with about a 5°C difference between maximum and minimum temperatures. Relative humidity is high at about 80% throughout the year. Annual rainfall ranges from 1,700mm in the south to about 3000mm in the hills. The population of the Seychelles was counted as 81,755 in the 2002 population census with 7,103 on Praslin, 2,104 on La Digue and 72,548 on Mahe, representing 88.7% of the total population. Source: National Statistics Bureau (2006)

As a small island developing state (SIDS), Seychelles is characterized by its small land area and population, remoteness from major markets and limited land based resources which lead to a heavy reliance on external resources linked to tourism and marine resources and imports of consumer products and capital input. Seychelles narrow resource base and other vulnerabilities as a SIDS have resulted in a heavy dependence on external financial flows for its economic and social development. (Government of Seychelles, 2007)

Economic performance in the decade is considered impressive, moving from a per capita income of USD 1,000 in 1976 to USD 11, 000 in 2006. Seychelles is ranked by the World Bank's Human Development Index at 51st and has met most of Millennium Development Goals.

The Agricultural Sector in Seychelles has lost most of its economic importance over the past two decades. Once the mainstay of the economy, it has now been relegated to a thing of the past.

Relative contribution of key subsectors

Crops and livestock

Although not a priority for Seychelles economy, local production of fruits, vegetables, meat and eggs continue to contribute significantly to local consumption. In 2007, it is estimated that 50% of total consumption of fruits and vegetables were locally produced. Again, 50% of pork, 60% broiler meat and 21 million eggs, representing 100% of consumption by both the local and tourist population, were produced locally. As regards to fisheries over 90% of the local catch is consumed locally either by nationals or the tourist. Approximately 8% of the total labour force in the country is employed in agriculture and its related fields – including forestry and fishing (Minister's speech to members of the National Assembly, May 2008).

Agricultural land has been decreasing rapidly in the past decade due to development of tourism, housing and other socio-economic sector. It is estimated that about 6,000 hectares remain for agricultural development of which only 600 is actually being utilized. Very little private land is under agricultural production and the state land leased to farmers is plagued by

a number of constraints. A recent survey showed that of a total of 277 hectares allocated to 333 farmers, only 120 hectares was under cultivation. A total of 142 farmers were utilizing less than 50% of their land. (Agricultural Planning and Land Management Division, May 2008).

Seychelles' total imports in 2006 was Seychelles Rupees 4,180.5 million (Euro 324 million) of which SR 908.2 million (Euro 70 million) was food and live animals. This figure represents 22% of total imports and included 5,670 tons of fresh fruits and vegetables, 825 tons of broiler meat, 637 tons of pork and 690 tons of beef. (National Statistics Bureau, 2007). Imports of fish and fish products is comprised mostly of raw frozen tuna for the canning factory and amounts to over 99% of total import of fish and fish products. The remaining imports consist of mainly seafood imports for the hotels and bait for the semi-industrial fishery.

The Natural Resources Department through its three Divisions (Crop Research and Development, Animal Health and Promotion and Agricultural Planning and Agricultural Lands Management) is responsible for directly structuring, regulating and supporting the agricultural sector in Seychelles.

The majority of leafy vegetable, and cucurbit, and solanum crops are grown from hybrid seeds imported by the Seychelles Agricultural Agency and distributed to farmers through the Agency's five retail outlets strategically located in the major farming areas. Some farmers seek the necessary permits from government to import inputs that they require such as seeds, fertilizers, pesticides, equipment, machinery or stock feed for animals. Those farmers who grow crops in the open field also use hybrid seeds.

The table below shows the major crops grown and the statistics shown in the table below are collected by the extension agents routinely.

Table 1.

Total local production by region for period June 2007-June 2008

	North	Central	South	Praslin and La Digue	Total (tones)
Amaranth	1986	760			3
Apple	7660	3855	2180		14
Avocado	12642	7350	1515		22
Banana	506712	335638	262912	29772	1135
Basil	15				0
Bean	1785	4355	20395	5448	32
Bitter Gourd	4170	889	12509	158	18
Bottle Gourd	920	60	760	297	2
Breadfruit	33000	44000	18950		96
Cabbage	7548	86407	1652	11833	107
Capsicum	1126	1290		3649	6
Cassava	71944	267990	371492	19746	731
Cherimolia (annonas)	2078	308	450		3
Chili	12902	12256	6923	4791	37
Chinese Cabbage	18504	36730	11667	13798	81

Chayote	45927	1120			47
Citrus	104535	56334	49298	38	210
Cocoyam	4818	912	3319	830	10
Coriander	650		105		1
Cucumber	29129	65053	103320	45638	243
Eggplant	13744	17797	16645	8118	56
Flowers					Not collected
Ginger	1512	486	12		2
Golden Apple	11100	15045	10800		37
Guava	2063	3998	1416		7
Jamalac (Rose apple)	9408	10743	6027		26
Lettuce	7699	25858	977	11982	47
Mango	76600	53460	108843		239
Okra	750	1200	1421	500	4
Ox-Heart	880	2770	500		4
Parsley	9205	945	780	1056	12
Passion Fruit	264	12	621	6	1
Pawpaw	132339	192266	133984	80475	539
Pineapple	9409	93717	41346	1716	146
Pumpkin	99496	157176	189624	128218	575
Radish	450	288	366		1
Snake Gourd	540	223	618		1
Sour sop (annonas)	5100	5450	3200		14
Sponge Gourd	60	108	173		0
Spring Onion	2655	1060	625	15	4
Star Fruit	4000	5150	1500		11
Swamp Cabbage	120	544	240		1
Sweet Corn/Maize	175	1130	3455	1936	7
Sweet Potato	9463	41834	41806	6277	99
Thyme	6284	5711	920	527	13
Tomato	11785	69287	27901	59037	168
Water Cress	17208	102	180	5532	23
Water Melon	400	2064	7200	19197	29
Wax Gourd	8570	44240	1100	5845	60
Yam	1140	4525	350		6
Zatte (annonas)	1525	732	3650		6

A. Standards for Seed Certification

There is no seed certification body in the Seychelles. No plant breeding work is carried out in the Seychelles as there are no demands for such an activity due to the small agricultural sector and its lesser priority in economic importance.

Government has no immediate needs for the establishment of seed standards or seed certification.

B. Variety Evaluation, Release and Registration

Imported seed varieties are evaluated at the vegetable research station to check performance under local growing conditions and practices.

Variety evaluation related to plant breeding and seed production is not carried out in the Seychelles. As a result, there is no national body responsible for variety evaluation, release and registration.

At this point in time, the agricultural sector is preoccupied with other issues of national food production and there is presently no consideration for local seed production and plant breeding.

In 2009 the country benefitted from a consignment of seeds from an FAO / TCP under the Initiative on Soaring Food Prices (ISFP) emergency relief to the world economic crisis. The following is a detailed list of seeds received and quantities. The list gives a good representation of the annual requirements for the country.

Table 2. Annual requirements of seeds for the agricultural sector as represented by 2009 emergency relief grant by FAO.

No.	Description of item	Quantity received
1.	Pumpkin var. Gray Hawk	20kgs
2.	Cucumber slicer #2	20kgs
3.	Cucumber slicer#5	20kgs
4.	Tomato var. red crown	5kgs
5.	Watermelon var. Green Pride	5 kgs
6.	Winter Squash, phoenix	50kgs
7.	Cabbage, Spring Light	5kgs
8.	Cabbage, Summer autumn	5kgs
9.	Chinese cabbage Summer bright	25kgs
10.	Chinese cabbage, Green sun	25kgs
11.	Chinese cabbage White sun	25kgs
12.	Sweet corn Bright Jean	50kgs
13.	Papaya, Red Lady	1kg
14.	Sweet Pepper, Blue Star	2kgs
15.	Sweet Pepper Big Star	2kgs
16.	Sweet Pepper, Neptune	2kgs
17.	Hot pepper	2kgs
18.	Melon, Autumn Favor	2kgs
19.	Melon, Sunrise	2kgs
20.	Eggplant, Charming	10kgs
21.	Okra, Pure Luck	10kgs
22.	Wax gourd, Benefit	2kgs
23.	Balsam Pear, High Moon	2kgs
24.	Asparagus Bean, KY Bush	50kgs

C. Phytosanitary Measures

The National Plant Protection Office of Seychelles is administered within the Seychelles Agricultural Agency.

The Seychelles Agricultural Agency was enacted in December 2008 to see to the provision of better output and facilitation of the sector.

The objectives of the agency are:

- (a) To facilitate and support the enhancement of national food security;
- (b) To facilitate the increase of the contribution of agriculture in the country's gross domestic product;
- (c) To facilitate the modernization and development of the agricultural sector.

The Agency is headed by:

NAME: Mr. Antoine-Marie Moustache

TITLE: Chief Executive Officer

ADDRESS: Grand Anse Mahe

e-mail: antmoust@seychelles.net

ceosaa@intelvison.net

NC-FAO-SYC@fao.org

TELEPHONE: (248)378252 /(248) 722009

FAX: (248) 378312

The head of the NPPO is

NAME: Mr. Will Dogley

TITLE: Principal Officer

ADDRESS: Union Vale

e-mail: seypro@seychelles.net

TELEPHONE: (248)722607

FAX: (248) 610223

Export of Material of Plant Origin

Any individual or group with intent to export any item of plant origin will inform the NPPO and request for inspection of the goods. Inspection may be done on the NPPO premises or elsewhere depending on the size of the consignment. The NPPO officer may carry out the treatment if resources are available or instruct the client to have the treatment done by a licensed pest control operator giving instructions on the details of the treatment and may attend the supervise the treatment process if deemed necessary. Based on the certificate of treatment, the NPPO officer will issue a phytosanitary certificate. Clients may require an export certificate from the Ministry of Finance in cases of commercial export.

Import of Material of Plant Origin

In the event that an individual or group intends to import material of plant origin, the client will seek an import permit from the NPPO. This document outlines the regulations of importation and states the conditions under which the import will be acceptable. The import permit will reiterate the importance of a phytosanitary certificate from the country of export and/or the country of origin.

Conformity

The Seychelles is an IPPC member and as such conforms to all the obligations of international and regional bodies including COMESA and SADC. There may be some specificity in regulations related to island status.

The government of Seychelles aspires to accede to WTO in the medium term and has embarked on a programme in collaboration with UNDP/GEF to develop a biosecurity service and enact biosecurity legislation. Regional harmonization for Seychelles will depend much on information exchange; updated pests lists for all member states and a proper updated network of contacts for all NPPO's of the region in order to facilitate trade and movement of all plant and plant products.

D. Plant Variety Protection

There are no specific national laws pertaining to plant variety protection and Seychelles is not a signatory to UPOV. Seychelles is working towards achieving membership of WTO and consequently will become party to a series of international conventions including UPOV.

E. Seed Import

Since the Seychelles does not produce seeds commercially, there is no need for any official procedures or corporate body to oversee the import and export of seeds.

The country has no immediate plans for the development of a seed industry.

F. Membership to International Organizations

Seychelles is signatory to few international conventions related to the trade of seed. Although Seychelles is party to the organization for economic co-operation and development -OECD, it benefits particularly in the off shore banking sector.

Seychelles was among the first countries to ratify the Convention on Biological Diversity and the Cartagena Protocol due to the country's strong commitment to conservation of the environment.

Seychelles ratified FAO's International Treaty on Plant Genetic Resources for Food and Agriculture in 2005 and has been party to IPPC since 2004.

Seychelles gained membership to the World Organization for Animal Health (OIE) earlier this year in May 2010.

Annex I

**SEYCHELLES
AGRICULTURAL AGENCY**

**Chief Executive
Officer**

Administration
and Finance

**Agricultural
Land & Project
Management**

**Crop &
Livestock
Development
Support**

**Crop & Animal
Health Services**

Agricultural
Land
Management

Project
Implementation
and
Infrastructure
Development
Services

Information
Management
Unit

Research &
Development

Agricultural
Extension

Island
Agricultural
Development

National Plant
Protection
Office

Veterinary
Services

Annex II

ID	Commodity	Botanical name	FamilyName	Pest	Pest scientific name
1	Piment Doux	Capsicum grossum	Solanaceae	White Fly	Bemisia tabaci
2	Piment Doux	Capsicum grossum	Solanaceae	Mediterranean fruit fly	Ceratitis capitata
3	Piment Doux	Capsicum grossum	Solanaceae	Mealy bug	Coccus spp
4	Piment Doux	Capsicum grossum	Solanaceae	Leaf miner	Liriomyza trifolii
5	Okra	Abelmoschus esculentus	Malvaceae	Giant african snail	Achitina spp
6	Okra	Abelmoschus esculentus	Malvaceae	Aphid	Aphididae
7	Okra	Abelmoschus esculentus	Malvaceae	Leaf miner	Liriomyza trifolii
8	Okra	Abelmoschus esculentus	Malvaceae	Root knot	Meloidogyne incognita
9	Okra	Abelmoschus esculentus	Malvaceae	Thrip	Thrip tabacii
10	Okra	Abelmoschus esculentus	Malvaceae	Thrip	Thrips palmi
11	Okra	Abelmoschus esculentus	Malvaceae	Mites	Tranychus spp
12	Okra	Abelmoschus esculentus	Malvaceae	Bacterial blight	
13	Cabbage	Brassica oleracea var. capitata	Cruciferae	Seedling blight	Alternaria brassicae
14	Cabbage	Brassica oleracea var. capitata	Cruciferae	Aphid	Brevicoryne brassicae
15	Cabbage	Brassica oleracea var. capitata	Cruciferae	Large cabbage worm	Crocidolomia binotalis
16	Cabbage	Brassica oleracea var. capitata	Cruciferae	Mole Cricket	Grylotalpa africana
17	Cabbage	Brassica oleracea var. capitata	Cruciferae	Ring spot	Mycosphaerella brassicicola
18	Cabbage	Brassica oleracea var. capitata	Cruciferae	Diamond Back moth	Plutella xylostella
19	Cabbage	Brassica oleracea var. capitata	Cruciferae	Mites	Tranychus spp
20	Cabbage	Brassica oleracea var. capitata	Cruciferae	Black rot of crucifers	Xanthomonas campestris pv. campestris
21	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Thrip	Thrip tabacii
22	Melons de france	Cucumis melo	Cucurbitaceae	Nematodes	Meloidogyne spp
23	Cucumber	Cucumis sativus	Cucurbitaceae	Mole Cricket	Grylotalpa africana
24	Cucumber	Cucumis sativus	Cucurbitaceae	Sting bug	Leptoglossus australis

25	Cucumber	Cucumis sativus	Cucurbitaceae	Powdery mildew	Leveillula taurica
26	Cucumber	Cucumis sativus	Cucurbitaceae	Leaf miner	Liriomyza trifolii
27	Cucumber	Cucumis sativus	Cucurbitaceae	Root knot	Meloidogyne javanica
28	Cucumber	Cucumis sativus	Cucurbitaceae	Nematodes	Meloidogyne spp
29	Sweet potato	Ipomoea batatas	Convolvulaceae	Leaf miner	Liriomyza trifolii
30	Sweet potato	Ipomoea batatas	Convolvulaceae		Rhizopus stolonifer
31	Sweet potato	Ipomoea batatas	Convolvulaceae	Mites	Tranychus spp
32	Sweet potato	Ipomoea batatas	Convolvulaceae		Virus
33	Sweet potato	Ipomoea batatas	Convolvulaceae	Caterpillar	
34	Tomatoes	Lycopersicon esculentum	Solanaceae	Bacterial canker	Clavibacter michiganense subsp. michiganense
35	Tomatoes	Lycopersicon esculentum	Solanaceae	Target Spot, Corynespora leaf spot	Corynespora cassiicola
36	Tomatoes	Lycopersicon esculentum	Solanaceae	Fusarium wilt	Fusarium oxysporum f.sp. lycopersici
37	Cassava	Manihot utilissima	Euphorbiaceae	Grass Hopper	
38	Bean	Phaseolus vulgaris	Leguminosae	Web blight	Rhizoctonia solani
39	Bean	Phaseolus vulgaris	Leguminosae	Rust	Uromyces appendiculatus
40	Bean	Phaseolus vulgaris	Leguminosae	Bacterial blight of beans	Xanthomonas axonopodis pv. phaseoli
41	Bean	Phaseolus vulgaris	Leguminosae	Fuscous blight	Xanthomonas axonopodis pv. phaseoli var. fuscans
42	Bean	Phaseolus vulgaris	Leguminosae	Nematodes	
43	Bean	Phaseolus vulgaris	Leguminosae	Stem borer	
44	Bean	Phaseolus vulgaris	Leguminosae	Thrip	
45	Frangipan blank	Plumeria alba	Apocynaceae	Mites	Tranychus spp
46	Frangipan rouge	Plumeria rubra	Apocynaceae	Mites	Tranychus spp
47	Rose	Rosa indica	Rosaceae	Aphid	Aphididae
48	Rose	Rosa indica	Rosaceae	Mealy bug	Coccus spp
49	Rose	Rosa indica	Rosaceae	Thrip	Thrip tabacii

50	Rose	Rosa indica	Rosaceae	Thrip	Thrips palmi
51	Rose	Rosa indica	Rosaceae	Mites	Tranychus spp
52	Rose	Rosa indica	Rosaceae	Scale Insect	
53	Suger cane	Sacchurum officinarum	Graminaceae	Aphid	Aphididae
54	Suger cane	Sacchurum officinarum	Graminaceae	Scale Insect	Aulacaspis tegalensis
55	Suger cane	Sacchurum officinarum	Graminaceae	Mealy bug	Saccharicoccus sacchari
56	Suger cane	Sacchurum officinarum	Graminaceae	Rat	
57	Eggplant	Solanum melongena	Solaneceae	Giantt african snail	Achitina spp
58	Cabbage	Brassica oleracea var. capitata	Cruciferae	Birds	
59	Chinese Cabbage	Brassica pekinensis	Cruciferae	Giant african snail	Achitina spp
60	Chinese Cabbage	Brassica pekinensis	Cruciferae	Aphid	Aphididae
61	Chinese Cabbage	Brassica pekinensis	Cruciferae	Large cabbage warm	Crocitolomia binotalis
62	Chinese Cabbage	Brassica pekinensis	Cruciferae	Leaf miner	Liriomyza trifolii
63	Chinese Cabbage	Brassica pekinensis	Cruciferae	Diamond Back moth	Plutella xylostella
64	Chinese Cabbage	Brassica pekinensis	Cruciferae	Mites	Tranychus spp
65	Capsicum	Capsicum annum	Solaneceae	Giant african snail	Achitina spp
66	Capsicum	Capsicum annum	Solaneceae	Aphid	Aphididae
67	Hot chillli	Capsicum annum	Solaneceae	Aphid	Aphididae
68	Capsicum	Capsicum annum	Solaneceae	White Fly	Bemisia tabaci
69	Hot chillli	Capsicum annum	Solaneceae	White Fly	Bemisia tabaci
70	Capsicum	Capsicum annum	Solaneceae	Mediterranean fruit fly	Ceratitis capitata
71	Hot chillli	Capsicum annum	Solaneceae	Mediterranean fruit fly	Ceratitis capitata
72	Hot chillli	Capsicum annum	Solaneceae	Mealy bug	Coccus spp
73	Capsicum	Capsicum annum	Solaneceae	Mole Cricket	Grylotalpa africana
74	Capsicum	Capsicum annum	Solaneceae	Leaf miner	Liriomyza trifolii
75	Hot chillli	Capsicum annum	Solaneceae	Leaf miner	Liriomyza trifolii
76	Capsicum	Capsicum annum	Solaneceae	Nematodes	Meloidogyne spp
77	Hot chillli	Capsicum annum	Solaneceae	Nematodes	Meloidogyne spp
78	Capsicum	Capsicum annum	Solaneceae	Thrip	Thrip tabacii

79	Hot chilli	Capsicum annum	Solaneceae	Thrip	Thrip tabacii
80	Capsicum	Capsicum annum	Solaneceae	Thrip	Thrips palmi
81	Hot chilli	Capsicum annum	Solaneceae	Thrip	Thrips palmi
82	Capsicum	Capsicum annum	Solaneceae	Mites	Tranychus spp
83	Hot chilli	Capsicum annum	Solaneceae	Mites	Tranychus spp
84	Capsicum	Capsicum annum	Solaneceae	Birds	
85	Capsicum	Capsicum annum	Solaneceae	Rat	
86	Hot chilli	Capsicum annum	Solaneceae	Scale Insect	
87	Piment gros	Capsicum frutescens	Solaneceae	Aphid	Aphididae
88	Piment gros	Capsicum frutescens	Solaneceae	White Fly	Bemisia tabaci
89	Piment gros	Capsicum frutescens	Solaneceae	Mediterranean fruit fly	Ceratitis capitata
90	Piment gros	Capsicum frutescens	Solaneceae	Mealy bug	Coccus spp
91	Piment gros	Capsicum frutescens	Solaneceae	Leaf miner	Liriomyza trifolii
92	Piment gros	Capsicum frutescens	Solaneceae	Nematodes	Meloidogyne spp
93	Piment gros	Capsicum frutescens	Solaneceae	Thrip	Thrip tabacii
94	Piment gros	Capsicum frutescens	Solaneceae	Thrip	Thrips palmi
95	Piment gros	Capsicum frutescens	Solaneceae	Mites	Tranychus spp
96	Piment gros	Capsicum frutescens	Solaneceae	Scale Insect	
97	Piment Doux	Capsicum grossum	Solaneceae	Aphid	Aphididae
98	Piment Doux	Capsicum grossum	Solaneceae	Nematodes	Meloidogyne spp
99	Piment Doux	Capsicum grossum	Solaneceae	Thrip	Thrip tabacii
100	Piment Doux	Capsicum grossum	Solaneceae	Thrip	Thrips palmi
101	Piment Doux	Capsicum grossum	Solaneceae	Mites	Tranychus spp
102	Piment Doux	Capsicum grossum	Solaneceae	Scale Insect	
103	Piment martim	Capsicum minimum	Solaneceae	Aphid	Aphididae
104	Piment martim	Capsicum minimum	Solaneceae	White Fly	Bemisia tabaci
105	Piment martim	Capsicum minimum	Solaneceae	Mediterranean fruit fly	Ceratitis capitata
106	Piment martim	Capsicum minimum	Solaneceae	Mealy bug	Coccus spp
107	Piment martim	Capsicum minimum	Solaneceae	Leaf miner	Liriomyza trifolii

108	Piment martim	Capsicum minimum	Solanaceae	Nematodes	Meloidogyne spp
109	Piment martim	Capsicum minimum	Solanaceae	Thrip	Thrip tabacii
110	Piment martim	Capsicum minimum	Solanaceae	Thrip	Thrips palmi
111	Piment martim	Capsicum minimum	Solanaceae	Mites	Tranychus spp
112	Piment martim	Capsicum minimum	Solanaceae	Scale Insect	
113	Pepper and chillies	Capsicum spp	Solanaceae	Cercospora leaf spot	Cercospora capsici
114	Pepper and chillies	Capsicum spp	Solanaceae	Bacterial canker	Clavibacter michiganense subsp. michiganense
115	Pepper and chillies	Capsicum spp	Solanaceae	Anthracoise	Colletotrichum capsici
116	Pepper and chillies	Capsicum spp	Solanaceae	Cucumber mosaic	Cucumber mosaic virus (CMV)
117	Pepper and chillies	Capsicum spp	Solanaceae	Powdery mildew	Leveillula taurica
118	Pepper and chillies	Capsicum spp	Solanaceae	Bacterial wilt	Ralstonia solanacearum
119	Pepper and chillies	Capsicum spp	Solanaceae	Southern blight, southern wilt, southern stem rot and Sclerotium stem rot.	Sclerotium rolfsii
120	Pepper and chillies	Capsicum spp	Solanaceae	Bacterial leaf spot	Xanthomonas axonopodis pv. vesicatoria
121	Pawpaw	Carica papaya	Caricaceae	Giant african snail	Achitina spp
122	Pawpaw	Carica papaya	Caricaceae	Mealy bug	Coccus spp
123	Pawpaw	Carica papaya	Caricaceae	Anthracoise	Colletotrichum capsici
124	Pawpaw	Carica papaya	Caricaceae	Anthracoise	Colletotrichum papayae Carica
125	Pawpaw	Carica papaya	Caricaceae	Powdery mildew	Ovulariopsis papayae
126	Pawpaw	Carica papaya	Caricaceae	Red spider mite	Polyphagotarsonpmus latus
127	Pawpaw	Carica papaya	Caricaceae	Mites	Tranychus spp
128	Pawpaw	Carica papaya	Caricaceae	Nematodes	
129	Pawpaw	Carica papaya	Caricaceae	Rat	
130	Pawpaw	Carica papaya	Caricaceae	Scale Insect	
131	Cinnamon	Cinnamomum zeylanicum	Lauraceae	Mediterranean fruit fly	Ceratitidis capitata
132	Cinnamon	Cinnamomum zeylanicum	Lauraceae	Termite	Coptotermes truncates

133	Cinnamon	Cinnamomum zeylanicum	Lauraceae	Scale Insect	
134	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Giant african snail	Achitina spp
135	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Aphid	Aphididae
136	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Melonfly	Bactrocera cucurbitae
137	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Nematodes	Meloidogyne spp
138	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Thrip	Thrips palmi
139	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Mites	Tranychus spp
140	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Birds	
141	Melon d'eau	Citrullus vulgaris	Cucurbitaceae	Rat	
142	Citrus	Citrus spp	Rutaceae	Giant african snail	Achitina spp
143	Citrus	Citrus spp	Rutaceae	Citrus black fly	Aleurocanthum wolgumi
144	Citrus (Oranges, lemons, grapefruits)	Citrus spp	Rutaceae	Sooty mould	Capnodium citri
145	Citrus	Citrus spp	Rutaceae	Mediterranean fruit fly	Ceratitis capitata
146	Citrus(Oranges, lemons, grapefruits)	Citrus spp	Rutaceae	Scab	Elsinoe fawcettii
147	Citrus	Citrus spp	Rutaceae	Cotton cushion scale	Icerya purchasi
148	Citrus	Citrus spp	Rutaceae	Mealy bug	Icerya seychellanum
149	Citrus	Citrus spp	Rutaceae	Nematodes	Meloidogyne spp
150	Citrus	Citrus spp	Rutaceae	Mites	Phyllocoptruta oleivora
151	Citrus	Citrus spp	Rutaceae	Leaf miner	Phyllonistis citrella
152	Citrus(Oranges, lemons, grapefruits)	Citrus spp	Rutaceae	Gummosis, citrus brown fruit rot	Phytophthora citrophthora
153	Citrus	Citrus spp	Rutaceae	Aphid	Taxoptera auranti
154	Citrus	Citrus spp	Rutaceae	Aphid	Taxoptera criticida
155	Citrus(Oranges, lemons, grapefruits)	Citrus spp	Rutaceae	Bacterial canker	Xanthomonas axonopodis pv. Citri
156	Citrus	Citrus spp	Rutaceae	Grass Hopper	
157	Citrus	Citrus spp	Rutaceae	Rat	

158	Citrus	Citrus spp	Rutaceae	Scale Insect	
159	Citrus	Citrus spp	Rutaceae	Thrip	
160	Cocoyam	Colocasia antiquorum		Blight	Phytophthora colocasiae
161	Cocoyam	Colocasia antiquorum		Corm rot	Pythium spp
162	Cocoyam	Colocasia antiquorum		Bacterial leaf spot	Xanthomonas campestris pv
163	Melons de france	Cucumis melo	Cucurbitaceae	Giant african snail	Achitina spp
164	Melons de france	Cucumis melo	Cucurbitaceae	Aphid	Aphididae
165	Melons de france	Cucumis melo	Cucurbitaceae	Melonfly	Bactrocera cucurbitae
166	Melons de france	Cucumis melo	Cucurbitaceae	Thrip	Thrip tabacii
167	Melons de france	Cucumis melo	Cucurbitaceae	Thrip	Thrips palmi
168	Melons de france	Cucumis melo	Cucurbitaceae	Mites	Tranychus spp
169	Melons de france	Cucumis melo	Cucurbitaceae	Birds	
170	Melons de france	Cucumis melo	Cucurbitaceae	Rat	
171	Cucumber	Cucumis sativus	Cucurbitaceae	Giant african snail	Achitina spp
172	Cucumber	Cucumis sativus	Cucurbitaceae	Rose chaffer beetle	Adoretus versutus
173	Cucumber	Cucumis sativus	Cucurbitaceae	Aphid	Aphididae
174	Cucumber	Cucumis sativus	Cucurbitaceae	Melonfly	Bactrocera cucurbitae
175	Cucumber	Cucumis sativus	Cucurbitaceae	Anthrachnose	Colletotrichum lagenarium
176	Cucumber	Cucumis sativus	Cucurbitaceae	Target spot	Corynespora cassiicola
177	Cucumber	Cucumis sativus	Cucurbitaceae	Cucumber mosaic	Cucumber mosaic virus (CMV)
178	Cucumber	Cucumis sativus	Cucurbitaceae	Catarpillar	Daphania indica
179	Cucumber	Cucumis sativus	Cucurbitaceae	Powdery mildew	Erysiphe cichoracearum
180	Cucumber	Cucumis sativus	Cucurbitaceae	Angular leaf spot of cucurbits	Pseudomonas syringae pv. lachrymans
181	Cucumber	Cucumis sativus	Cucurbitaceae	Downy mildew	Pseudoperonospora cubensis
182	Cucumber	Cucumis sativus	Cucurbitaceae	Thrip	Thrip tabacii
183	Cucumber	Cucumis sativus	Cucurbitaceae	Thrip	Thrips palmi
184	Cucumber	Cucumis sativus	Cucurbitaceae	Mites	Tranychus spp
185	Cucumber	Cucumis sativus	Cucurbitaceae	Birds	

186	Cucumber	Cucumis sativus	Cucurbitaceae	Rat	
187	Pumpkin	Cucurbita maxima	Cucurbitaceae	Powdery mildew	Erysiphe cichoracearum
188	Pumpkin	Cucurbita maxima	Cucurbitaceae	Angular leaf spot of cucurbits	Pseudomonas syringae pv. lachrymans
189	Pumpkin	Cucurbita maxima	Cucurbitaceae	Downy mildew	Pseudoperonospora cubensis
190	Pumpkin	Cucurbita maxima	Cucurbitaceae	Watermelon mosaic	Watermelon mosaic virus
191	Pumpkin	Cucurbita maxima	Cucurbitaceae	Bacterial leaf spot of pumpkin	Xanthomonas cucurbitae
192	pumpkin	Cucurbita moschata	Cucurbitaceae	Aphid	Aphididae
193	Pumpkin	Cucurbita moschata	Cucurbitaceae	Melonfly	Bactrocera cucurbitae
194	pumpkin	Cucurbita moschata	Cucurbitaceae	Catarpillar	Daphania indica
195	pumpkin	Cucurbita moschata	Cucurbitaceae	Leaf miner	Liriomyza trifolii
196	pumpkin	Cucurbita moschata	Cucurbitaceae	Thrip	Thrip tabacii
197	pumpkin	Cucurbita moschata	Cucurbitaceae	Thrip	Thrips palmi
198	pumpkin	Cucurbita moschata	Cucurbitaceae	Mites	Tranychus spp
199	pumpkin	Cucurbita moschata	Cucurbitaceae	Birds	
200	pumpkin	Cucurbita moschata	Cucurbitaceae	Rat	
201	pumpkin	Cucurbita moschata	Cucurbitaceae	Sting bug	
202	pumpkin	Cucurbita pepo	Cucurbitaceae	Aphid	Aphididae
203	Pumpkin	Cucurbita pepo	Cucurbitaceae	Melonfly	Bactrocera cucurbitae
204	pumpkin	Cucurbita pepo	Cucurbitaceae	Catarpillar	Daphania indica
205	pumpkin	Cucurbita pepo	Cucurbitaceae	Leaf miner	Liriomyza trifolii
206	pumpkin	Cucurbita pepo	Cucurbitaceae	Thrip	Thrip tabacii
207	pumpkin	Cucurbita pepo	Cucurbitaceae	Thrip	Thrips palmi
208	pumpkin	Cucurbita pepo	Cucurbitaceae	Mites	Tranychus spp
209	pumpkin	Cucurbita pepo	Cucurbitaceae	Birds	
210	pumpkin	Cucurbita pepo	Cucurbitaceae	Rat	
211	pumpkin	Cucurbita pepo	Cucurbitaceae	Sting bug	
212	Dahlia	Dahlia variabilis	Compositae	Mites	Tranychus spp
213	Eucalyptus	Eucalyptus spp	Myrtaceae	Caterpillar	

214	Jamalac	<i>Eugenia javanica</i>	Myrtaceae	Rose chaffer beetle	<i>Adoretus versutus</i>
215	Jamalac	<i>Eugenia javanica</i>	Myrtaceae	Mediterranean fruit fly	<i>Ceratitis capitata</i>
216	Jamalac	<i>Eugenia javanica</i>	Myrtaceae	Caterpillar	
217	Jamalac	<i>Eugenia javanica</i>	Myrtaceae	Scale Insect	
218	Gladiolus	<i>Gladiolus</i> spp	Iridaceae	Giant african snail	<i>Achitina</i> spp
219	Hibisscuite	<i>Hibiscus</i> spp	Malvaceae	Mealy bug	<i>Coccus</i> spp
220	Hibisscuite	<i>Hibiscus</i> spp	Malvaceae	Mites	<i>Tranychus</i> spp
221	Sweet potato	<i>Ipomoea batatas</i>	Convolvulaceae	Giant african snail	<i>Achitina</i> spp
222	Sweet potato	<i>Ipomoea batatas</i>	Convolvulaceae	Flea beetle	
223	Sweet potato	<i>Ipomoea batatas</i>	Convolvulaceae	Rat	
224	Sweet potato	<i>Ipomoea batatas</i>	Convolvulaceae	Stem borer	
225	Sweet potato	<i>Ipomoea batatas</i>	Convolvulaceae	Sweet potato weevils	
226	Sweet potato	<i>Ipomoea batatas</i>	Convolvulaceae	Tenrec	
227	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Giant african snail	<i>Achitina</i> spp
228	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Leaf miner	<i>Liriomyza trifolii</i>
229	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Mites	<i>Tranychus</i> spp
230	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Caterpillar	
231	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Flea beetle	
232	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Rat	
233	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Stem borer	
234	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Sweet potato weevils	
235	Sweet potato	<i>Ipomoea glaberrima</i>	Convolvulaceae	Tenrec	
236	Lettuce	<i>Lactuca sativa</i>	Compositae	Giant african snail	<i>Achitina</i> spp
237	Lettuce	<i>Lactuca sativa</i>	Compositae	Bacterial soft rot	<i>Erwinia carotovora</i> subsp. <i>carotovora</i>
238	Lettuce	<i>Lactuca sativa</i>	Compositae	Mole Cricket	<i>Gryllotalpa africana</i>
239	Lettuce	<i>Lactuca sativa</i>	Compositae	Leaf miner	<i>Liriomyza trifolii</i>
240	Lettuce	<i>Lactuca sativa</i>	Compositae	Light brown leaf spot- <i>Alternaria</i> leaf spot	
241	Lettuce	<i>Lactuca sativa</i>	Compositae	Nematodes	

242	Lettuce	<i>Lactuca sativa</i>	Compositae	Tenrec	
243	Pipangave a cotes	<i>Luffa acutangula</i>	Cucurbitaceae	Aphid	Aphididae
244	Pipangave a cotes	<i>Luffa acutangula</i>	Cucurbitaceae	Melonfly	<i>Bactrocera cucurbitae</i>
245	Pipangave a cotes	<i>Luffa acutangula</i>	Cucurbitaceae	Leaf miner	<i>Liriomyza trifolii</i>
246	Pipangave a cotes	<i>Luffa acutangula</i>	Cucurbitaceae	Thrip	Thrip tabacii
247	Pipangave a cotes	<i>Luffa acutangula</i>	Cucurbitaceae	Thrip	Thrips palmi
248	Pipangave uni	<i>Luffa cylindrica</i>	Cucurbitaceae	Aphid	Aphididae
249	Pipangave uni	<i>Luffa cylindrica</i>	Cucurbitaceae	Melonfly	<i>Bactrocera cucurbitae</i>
250	Pipangave uni	<i>Luffa cylindrica</i>	Cucurbitaceae	Leaf miner	<i>Liriomyza trifolii</i>
251	Pipangave uni	<i>Luffa cylindrica</i>	Cucurbitaceae	Thrip	Thrip tabacii
252	Pipangave uni	<i>Luffa cylindrica</i>	Cucurbitaceae	Thrip	Thrips palmi
253	Tomato	<i>Lycopersicon esculentum</i>	Solanaceae	Giantt African Snail	<i>Achitina</i> spp
254	Tomatoes	<i>Lycopersicon esculentum</i>	Solanaceae	Early blight	<i>Alternaria solani</i>
255	Tomato	<i>Lycopersicon esculentum</i>	Solanaceae	White Fly	<i>Bemisia tabaci</i>
256	Tomato	<i>Lycopersicon esculentum</i>	Solanaceae	Mediterranean fruit fly	<i>Ceratitis capitata</i>
257	Tomato	<i>Lycopersicon esculentum</i>	Solanaceae	Mole Cricket	<i>Gryllotalpa africana</i>
258	Okra	<i>Abelmoschus esculentus</i>	Malvaceae	Chocolate brown leafspot	
259	Okra	<i>Abelmoschus esculentus</i>	Malvaceae	Nematodes	
260	Okra	<i>Abelmoschus esculentus</i>	Malvaceae	Powdery mildew	
261	Spring onions	<i>Allium</i> spp	Liliaceae	Purple blotch	<i>Alternaria porri</i>
262	Spring onions	<i>Allium</i> spp	Liliaceae	Grey mould neck rot(<i>Botrytis</i> rot)	<i>Botrytis aclada</i> Fresen
263	Spring onion	<i>Allium</i> spp	Liliaceae	Leaf miner	<i>Liriomyza trifolii</i>
264	Spring onion	<i>Allium</i> spp	Liliaceae	Army warm	<i>Spodoptera</i> spp
265	Spring onion	<i>Allium</i> spp	Liliaceae	Thrip	Thrip tabacii
266	Spring onion	<i>Allium</i> spp	Liliaceae	Thrip	Thrips palmi
267	Amanrantus	<i>Amarantus oleraceus</i>	Cruciferae	Aphid	Aphididae
268	Amanrantus	<i>Amarantus oleraceus</i>	Cruciferae	Leaf miner	<i>Liriomyza trifolii</i>
269	Amanrantus	<i>Amarantus oleraceus</i>	Cruciferae	Thrip	Thrip tabacii
270	Amanrantus	<i>Amarantus oleraceus</i>	Cruciferae	Thrip	Thrips palmi

271	Amarantus	Amarantus oleraceus	Cruciferae	Mites	Tranychus spp
272	Pineapple	Ananas comosus	Bromeliaceae	Giant african snail	Achitina spp
273	Pineapple	Ananas comosus	Bromeliaceae	Aphid	Aphididae
274	Pineapples	Ananas comosus	Bromeliaceae		Pratylenchus spp
275	Pineapple	Ananas comosus	Bromeliaceae	Rat	
276	Orchid	Angraecum ebumeum	Orchidaceae	Scale Insect	
277	Oxheat	Anona reticulata	Anonaceae	Rose Chaffer beetle	Adoretus versutus
278	Oxheat	Anona reticulata	Anonaceae	Caterpillar	
279	Star fruit	Averrhoa carambola	Oxalidaceae	Rose chaffer beetle	Adoretus versutus
280	Star fruit	Averrhoa carambola	Oxalidaceae	Aphid	Aphididae
281	Star fruit	Averrhoa carambola	Oxalidaceae	Mediterranean fruit fly	Ceratitis capitata
282	Star fruit	Averrhoa carambola	Oxalidaceae	Mealy bug	Coccus spp
283	Star fruit	Averrhoa carambola	Oxalidaceae	Rat	
284	Star fruit	Averrhoa carambola	Oxalidaceae	Scale Insect	
285	Chinese cabbage	Brassica chinensis	Cruciferae	Light brown leaf spot-Alternaria leaf spot	Alternaria brassicae
286	Chinese cabbage	Brassica chinensis	Cruciferae	Bacterial soft rot	Erwinia carotovora subsp. carotovora
287	Chinese cabbage	Brassica chinensis	Cruciferae	Damping off	Rhizoctonia solani
288	Brode chou de chine	Brassica chinensis	Cruciferae	Mites	Tranychus spp
289	Cabbage	Brassica oleracea var. capitata	Cruciferae	Giant african snail	Achitina spp
290	Tomato	Lycopersicon esculentum	Solanaceae	Leaf miner	Liriomyza trifolii
291	Tomatoes	Lycopersicon esculentum	Solanaceae	Root knot, southern wilt, southern stem rot and Sclerotium stem rot	Meloidogyne incognita
292	Tomatoes	Lycopersicon esculentum	Solanaceae	Root knot, southern wilt, southern stem rot and Sclerotium stem rot	Meloidogyne javanica
293	Tomato	Lycopersicon esculentum	Solanaceae	Red spider mite	Polyphagotarsonpmus latus
294	Tomatoes	Lycopersicon esculentum	Solanaceae	Bacterial speck	Pseudomonas syringae pv. tomato

295	Tomatoes	Lycopersicon esculentum	Solanaceae	Bacterial wilt	Ralstonia solanacearum
296	Tomatoes	Lycopersicon esculentum	Solanaceae	Southern blight	Sclerotium rolfsii
297	Tomatoes	Lycopersicon esculentum	Solanaceae	Septoria leaf spot	Septoria lycopersici
298	Tomato	Lycopersicon esculentum	Solanaceae	Thrip	Thrip tabacii
299	Tomato	Lycopersicon esculentum	Solanaceae	Thrip	Thrips palmi
300	Tomato	Lycopersicon esculentum	Solanaceae	Mites	Tranychus spp
301	Tomatoes	Lycopersicon esculentum	Solanaceae	Bacterial leaf spot	Xanthomonas axonopodis pv. vesicatoria
302	Tomato	Lycopersicon esculentum	Solanaceae	Birds	
303	Tomato	Lycopersicon esculentum	Solanaceae	Caterpillar	
304	Tomato	Lycopersicon esculentum	Solanaceae	Fruit borer	
305	Tomato	Lycopersicon esculentum	Solanaceae	Nematodes	
306	Tomato	Lycopersicon esculentum	Solanaceae	Rat	
307	Tomato	Lycopersicon esculentum	Solanaceae	Stem borer	
308	Tomatoes	Lycopersicon esculentum	Solanaceae	Viral-Tomato spotted wilt, Tomato yellow leaf curl	
309	Tomato	Lycopersicon esculentum	Solanaceae	Aphid	Aphididae
310	Mango	Mangifera indica	Anarcadiaceae	Rose chaffer beetle	Adoretus versutus
311	Mango	Mangifera indica	Anarcadiaceae	Aphid	Aphididae
312	Mango	Mangifera indica	Anarcadiaceae	White Fly	Bemisia tabaci
313	Mangoes	Mangifera indica	Anarcadiaceae	Anthrachnose	Colletotrichum acutatum
314	Mango	Mangifera indica	Anarcadiaceae	Termite	Coptotermes truncates
315	Mangoes	Mangifera indica	Anarcadiaceae	Powdery mildew	Oidium mangiferae
316	Mango	Mangifera indica	Anarcadiaceae	Scale Insect	Phenacaspis cockerelli
317	Mango	Mangifera indica	Anarcadiaceae	Mites	Tranychus spp
318	Mango	Mangifera indica	Anarcadiaceae	Caterpillar	
319	Mango	Mangifera indica	Anarcadiaceae	Stone weevil	
320	Mango	Mangifera indica	Anarcadiaceae	Thrip	
321	Cassava	Manihot esculenta	Anarcadiaceae	African Cassava mosaic	African Cassava mosaic virus

322	Cassava	Manihot esculenta	Euphrbiaceae	White Fly	Bemisia tabaci
323	Cassava	Manihot esculenta	Anarcadiaceae	Cercospora leaf spot	Cercospora (Cercosporidium) henningsii
324	Cassava	Manihot esculenta	Euphrbiaceae	Mites	Tranychus spp
325	Cassava	Manihot esculenta	Euphrbiaceae	Grass Hopper	
326	Cassava	Manihot esculenta	Euphrbiaceae	Scale Insect	
327	Cassava	Manihot esculenta	Euphrbiaceae	Tenrec	
328	Cassava	Manihot utilissima	Euphrbiaceae	White Fly	Bemisia tabaci
329	Cassava	Manihot utilissima	Euphrbiaceae	Mites	Tranychus spp
330	Cassava	Manihot utilissima	Euphrbiaceae	Scale Insect	
331	Cassava	Manihot utilissima	Euphrbiaceae	Tenrec	
332	Bitter gourd	Momordica charantia	Cucurbitaceae	Aphid	Aphididae
333	Bitter gourd	Momordica charantia	Cucurbitaceae	Melonfly	Bactrocera cucurbitae
334	Bitter gourd	Momordica charantia	Cucurbitaceae	White Fly	Bemisia tabaci
335	Bitter gourd	Momordica charantia	Cucurbitaceae	Mole Cricket	Gryllotalpa africana
336	Bitter gourd	Momordica charantia	Cucurbitaceae	Nematodes	Meloidogyne spp
337	Bitter gourd	Momordica charantia	Cucurbitaceae	Thrip	Thrip tabacii
338	Bitter gourd	Momordica charantia	Cucurbitaceae	Thrip	Thrips palmi
339	Bitter gourd	Momordica charantia	Cucurbitaceae	Mites	Tranychus spp
340	Bitter gourd	Momordica charantia	Cucurbitaceae	Leaf footed Bug	
341	Banana	Musa spp	Musaceae	Aphid	Aphididae
342	Banana	Musa spp	Musaceae	Mealy bug	Coccus spp
343	Bananas	Musa spp	Musaceae	Leaf blotch , Cordana leaf spot	Cordana musae
344	Banana	Musa spp	Musaceae	Banana weevil	Cosmopolites sordidus
345	Bananas	Musa spp	Musaceae	Fusarium wilt(Panama disease)	Fusarium oxysporum f.sp. cubense
346	Bananas	Musa spp	Musaceae	Root knot	Meloidogyne arenaria
347	Bananas	Musa spp	Musaceae	Root knot	Meloidogyne exigua
348	Bananas	Musa spp	Musaceae	Root knot	Meloidogyne incognita
349	Bananas	Musa spp	Musaceae	Root knot	Meloidogyne javanica


350	Bananas	Musa spp	Musaceae	Sigatoka (leaf spot of banana	Mycosphaerella musicola
351	Banana	Musa spp	Musaceae	Nematodes	Radopholus similes
352	Bananas	Musa spp	Musaceae	Banana root rot, Blackhead or Blackhead toppling disease or decline disease	Radopholus similis
353	Banana	Musa spp	Musaceae	Mites	Tranychus spp
354	Banana	Musa spp	Musaceae	Rat	
355	Banana	Musa spp	Musaceae	Scale Insect	
356	Water cress	Nasturtium officinale	Cruciferae	Leaf miner	Liriomyza trifolii
357	Water cress	Nasturtium officinale	Cruciferae	Diamond Back moth	Plutella xylostella
358	Water cress	Nasturtium officinale	Cruciferae	Mites	Tranychus spp
359	Water cress	Nasturtium officinale	Cruciferae	Flea beetle	
360	Palms	Palm spp	Palmae	Mealy bug	Coccus spp
361	Palms	Palm spp	Palmae	Termite	Coptotermes truncates
362	Palms	Palm spp	Palmae	Coconut trunk borer	Melittoma insular
363	Palms	Palm spp	Palmae	Rhinocres beetle	Oryctes rhinoceros
364	Palms	Palm spp	Palmae	Rat	
365	Palms	Palm spp	Palmae	Scale Insect	
366	Passion fruit	Passiflora edulis	Passifloraceae	Aphid	Aphididae
367	Passion fruit	Passiflora edulis	Passifloraceae	Rat	
368	Passion fruit	Passiflora edulis	Passifloraceae	Scale Insect	
369	Avacado	Persea americana	Lauraceae	Rose Chaffer Bettle	Adoretus versutus
370	Avacado	Persea americana	Lauraceae	Aphid	Aphididae
371	Avacado	Persea americana	Lauraceae	Mealy bug	Coccus spp
372	Avacado	Persea americana	Lauraceae	Termite	Coptotermes truncates
373	Avacado	Persea americana	Lauraceae	Scale Insect	
374	Avacado	Persea americana	Lauraceae	Twig bettle	
375	Avacado	Persea gratissima	Lauraceae	Rose Chaffer Bettle	Adoretus versutus
376	Avacado	Persea gratissima	Lauraceae	Aphid	Aphididae

377	Avacado	<i>Persea gratissima</i>	Lauraceae	Mealy bug	<i>Coccus</i> spp
378	Avacado	<i>Persea gratissima</i>	Lauraceae	Termite	<i>Coptotermes truncates</i>
379	Avacado	<i>Persea gratissima</i>	Lauraceae	Scale Insect	
380	Avacado	<i>Persea gratissima</i>	Lauraceae	Twig beetle	
381	Bean	<i>Phaseolus vulgaris</i>	Leguminosae	Leaf miner	<i>Liriomyza trifolii</i>
382	Bean	<i>Phaseolus vulgaris</i>	Leguminosae	Giant African snail	<i>Achitina</i> spp
383	Bean	<i>Phaseolus vulgaris</i>	Leguminosae	Rose Chaffer Bettle	<i>Adoretus versutus</i>
384	Beans	<i>Phaseolus vulgaris</i>	Leguminosae	Aphid	Aphididae
385	Pineapples	<i>Phaseolus vulgaris</i>	Leguminosae	Anthracoise	<i>Colletotrichum lindemuthianum</i>
386	Bean	<i>Phaseolus vulgaris</i>	Leguminosae	Bean pod borer	<i>Maruca testalis</i>
387	Bean	<i>Phaseolus vulgaris</i>	Leguminosae	Mites	<i>Polyphagotarsonpmus latus</i>
388	Guava	<i>Psidium guajava</i>	Myrtaceae	Aphid	Aphididae
389	Guava	<i>Psidium guajava</i>	Myrtaceae	Mediterranean fruit fly	<i>Ceratitidis capitata</i>
390	Guava	<i>Psidium guajava</i>	Myrtaceae	Termite	<i>Coptotermes truncates</i>
391	Guava	<i>Psidium guajava</i>	Myrtaceae	Caterpillar	
392	Guava	<i>Psidium guajava</i>	Myrtaceae	Mealy bug	
393	Guava	<i>Psidium guajava</i>	Myrtaceae	Rat	
394	Guava	<i>Psidium guajava</i>	Myrtaceae	Scale Insect	
395	Rose	<i>Rosa indica</i>	Rosaceae	Rose Chaffer beetle	<i>Adoretus versutus</i>
396	Eggplant	<i>Solanum melongena</i>	Solanaceae	Aphid	Aphididae
397	Eggplant	<i>Solanum melongena</i>	Solanaceae	Mediterranean fruit fly	<i>Ceratitidis capitata</i>
398	Eggplant	<i>Solanum melongena</i>	Solanaceae	Mealy bug	<i>Coccus</i> spp
399	Eggplant, Aubergine	<i>Solanum melongena</i>	Solanaceae	Target spot	<i>Corynespora cassiicola</i>
400	Eggplant, Aubergine	<i>Solanum melongena</i>	Solanaceae	Powdery mildew	<i>Leveillula taurica</i>
401	Eggplant	<i>Solanum melongena</i>	Solanaceae	Leaf miner	<i>Liriomyza trifolii</i>
402	Eggplant	<i>Solanum melongena</i>	Solanaceae	Nematodes	<i>Meloidogyne</i> spp
403	Eggplant, Aubergine	<i>Solanum melongena</i>	Solanaceae	Paracercospora leaf spot	<i>Paracercospora egenula</i>
404	Eggplant	<i>Solanum melongena</i>	Solanaceae	Red spider mite	<i>Polyphagotarsonpmus latus</i>
405	Eggplant, Aubergine	<i>Solanum melongena</i>	Solanaceae	Bacterial wilt	<i>Ralstonia solanacearum</i>

406	Eggplant, Aubergine	Solanum melongena	Solanaceae	Southern blight, southern wilt, southern stem rot and Sclerotium stem rot	Sclerotium rolfsii
407	Eggplant	Solanum melongena	Solaneceae	Thrip	Thrip tabacii
408	Eggplant	Solanum melongena	Solaneceae	Thrip	Thrips palmi
409	Eggplant	Solanum melongena	Solaneceae	Mites	Tranychus spp
410	Eggplant, Aubergine	Solanum melongena	Solanaceae	Verticilium wilt	Verticilium dahliae
411	Eggplant	Solanum melongena	Solaneceae	Rat	
412	Eggplant	Solanum melongena	Solaneceae	Scale Insect	
413	Eggplant	Solanum melongena	Solaneceae	Tenrec	
414	Eggplant	Solanum melongena	Solaneceae	Tree Hopper	
415	Golden apple	Spondias dulcis	Moraceae	Rose Chaffer beetle	Adoretus versutus
416	Golden apple	Spondias dulcis	Moraceae	Mediterranean fruit fly	Ceratitis capitata
417	Golden apple	Spondias dulcis	Moraceae	Mealy bug	Coccus spp
418	Golden apple	Spondias dulcis	Moraceae	Caterpillar	
419	Golden apple	Spondias dulcis	Moraceae	Scale Insect	
420	Thyme	Thymus vulgaris	Labiatae	Sclerotinia rot	Sclerotinia spp
421	Wax gourd	Trichosanthes anguina	Cucurbitaceae	Aphid	Aphididae
422	Wax gourd	Trichosanthes anguina	Cucurbitaceae	Melonfly	Bactrocera cucurbitae
423	Wax gourd	Trichosanthes anguina	Cucurbitaceae	White Fly	Bemisia tabaci
424	Wax gourd	Trichosanthes anguina	Cucurbitaceae	Leaf footed Bug	
425	Coco yam	Xanthosoma		Giant african snail	Achitina spp
426	Coco yam	Xanthosoma		Aphid	Aphididae
427	Coco yam	Xanthosoma		Rat	
428	Maize	Zea mays	Gramineae	Aphid	Aphididae
429	Sweet corn	Zea mays	Graminae	Fusarium rot(cobweb disease, ear rot of maize, fusarium root and stalk rot)	Fusarium spp- Fusarium roseum Link
430	Maize	Zea mays	Gramineae	Kernel mite	

431	Maize	Zea mays	Gramineae	Scale Insect	
432	Zinnia	Zinnia linearis	Compositae	Leaf miner	Liriomyza trifolii
433	Snake gourd		Cucurbitaceae	Giant african snail	Achitina spp
434	Snake gourd		Cucurbitaceae	Aphid	Aphididae
435	Sour sop			Aphid	Aphididae
436	Snake gourd		Cucurbitaceae	Melonfly	Bactrocera cucurbitae
437	Snake gourd		Cucurbitaceae	Mole Cricket	Gryllotalpa africana
438	Snake gourd		Cucurbitaceae	Leaf miner	Liriomyza trifolii
439	Stavia			Leaf miner	Liriomyza trifolii
440	Snake gourd		Cucurbitaceae	Nematodes	Meloidogyne spp
441	Snake gourd		Cucurbitaceae	Thrip	Thrip tabacii
442	Snake gourd		Cucurbitaceae	Thrip	Thrips palmi
443	Snake gourd		Cucurbitaceae	Mites	Tranychus spp
444	Mint flower			Caterpillar	
445	Snake gourd		Cucurbitaceae	Leaf footed Bug	
446	Snake gourd		Cucurbitaceae	Scale Insect	
447	Sour sop			Scale Insect	

Annex III

1. Name and address of exporter		PHYTOSANITARY CERTIFICATE No. 05251	
2. Declared name and address of consignee		3. Plant Protection Organization of SEYCHELLES to Plant Protection Organization(s) of	
5. Declared means of conveyance		4. Place of origin	
6. Declared point of entry		<p align="center">REPUBLIC OF SEYCHELLES MINISTRY OF AGRICULTURE AND MARINE RESOURCES</p>  <p align="center">PLANT PROTECTION SECTION</p>	
7. Distinguishing marks; number and description of packages; name of produce; botanical name of plants		8. Quantity	
<h1>SAMPLE</h1>			
9. This is to certify that the plants or plant products described above - have been inspected according to appropriate procedures, and - are considered to be free from quarantine pests, and practically free from other injurious pests, and that they - are considered to conform with the current phytosanitary regulations of the importing country			
10. Additional declaration			
DISINFECTION AND/OR DISINFECTION TREATMENT		17. Place of issue	
11. Treatment		Date	
12. Chemical (active ingredient)	13. Duration and temperature		
14. Concentration	15. Date		
16. Additional Information		Name of authorized Officer	
		Signature	
		Stamp of Organization	

REPUBLIC OF SEYCHELLES

MINISTRY OF ENVIRONMENT AND NATURAL RESOURCES

PLANT PROTECTION SECTION
P.O. BOX 166 VICTORIA, MAHE

4570

PLANT IMPORT PERMIT

In accordance with the Plant Protection Act 1996 determining the phytosanitary conditions of importation into Seychelles, permission is hereby granted to

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to import within six months from the date of the signature of the present permit the following items :

NAME AND DESCRIPTION OF THE ITEMS :

.....
.....
.....

COUNTRY OF ORIGIN

SAMPLE

The plants and plant products and associated packaging shall not contain either soil, leaves or garden mould,compost, manure, straw or any other organic substances and unsterilized media.

The consignment shall be covered by a PHYTOSANITARY CERTIFICATE issued by an authorized officer of the PLANT PROTECTION ORGANISATION of the country origin. The certificate shall bear the number and date of this permit and the additional declarations similar to those stated hereunder or overleaf:

NOTE:- SEE ADDITIONAL DECLARATIONS AS PER CONDITION(S) NO. _____ OVERLEAF.

SPECIAL CONDITIONS

.....
.....
.....

Date

Stamp of Organization

Name of authorized officer

.....

.....
Signature

NOTE : (i) The plant import permit is issued in duplicate. The original is to be sent to the supplier when making the order for observance of the conditions; the duplicate is handed over with the phytosanitary certificate covering the consignment to the phytosanitary inspector upon arrival of the items.

(ii) Non- compliance with any of the conditions laid down in this import permit may entail the destruction of the consignment upon arrival without compensation.