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C3P INVENTORY SURVEY FOR CMD-RESISTANT CASSAVA VARIETIES IN UGANDA

COUNTRY REPORT

BY

EARRNET Coordination Office

International Institute of Tropical Agriculture

Introduction

Catholic Relief Services (CRS) and International Institute of Tropical Agriculture (IITA) are jointly implementing the Crop Crisis Control Project (C3P) on cassava and bananas production in six East and Central African (ECA) countries i.e. Uganda, Tanzania, Rwanda, Kenya, Burundi and DR. Congo. Within the target countries, the implementation is being done in conjunction with country National Agricultural Research Systems and other local partner organisations. The focus of the project is to fight cassava mosaic virus disease (CMD) and banana bacterial blight (BXW). IITA and CRS already have working partners in those countries who will help in the project implementation.

CMD is one of the greatest threats to cassava production in Uganda and the sub region as a whole. In early 1990s CMD ravaged the cassava crop in the major cassava growing areas and production drastically declined. Recent research shows that the CMD pandemic affected about 2,600,000 ha of cassava leading to a loss of 22 million metric tons of produce annually. All the local varieties grown by farmers in this sub region have virtually become susceptible to CMD and this has led to farmers abandoning the cultivation of the crop. As a result of this pandemic, production of cassava has been affected in most areas and food insecurity is on the rise among the communities.

IITA in collaboration with National Cassava Programs of partner countries have been exchanging improved cassava germplasm and conducting a number of on-farm cassava participatory evaluations that have resulted in the identification of many CMD-resistant varieties in each of the countries. The multiplication and dissemination of these varieties are limited due to the fact that they require a lot of funds (economic hardships in multiplication and distribution) and poor or inexistent extension service delivery. The project is aiming at increasing multiplication and distribution of the selected improved varieties among rural farmers that are facing the CMD problem.

To achieve the above, the project intends to deploy effective CMD control strategies among the farming communities through multiplication and distribution of CMD-resistant varieties and promotion of improved management practices. As such, there is need to have an inventory of available and preferred CMD-resistant varieties and establish the amount of planting materials available prior to dissemination.

Progress of activities already done in Uganda

Team Composition

The survey team comprised Research Assistants from NARO and IITA Uganda who have been involved in the evaluation of these varieties at research institutes of Serere and Namulonge, one CRS Uganda representative. The research assistants were very essential since they have been working on these varieties for long and hence can precisely identify them. They also had prior knowledge of some farmers who were already multiplying these varieties. In some areas the extension workers added to the team.

CMD inventory survey area

The inventory survey for CMD-resistant materials in Uganda was done from 25th to 29th July and 4th to 7th September 2006 in the central and northern regions covering Nakasongola,

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Luwero, Wakiso, Mukono, Kayunga, Kiboga and Apac Districts. The team travelled to District Agricultural Offices, Zonal Agricultural Research Centres, local NGOs, Sub county offices and farmers to get information on the availability of the targeted improved materials. In Uganda, two varieties i.e. TMS I92/0067 (Akena) and MH97/2961 were selected due to their resistance to both CMD and Cassava Brown Streak Disease (CBSD). These varieties have high acceptability in the country but dissemination had been hampered by lack of adequate planting materials. These varieties are the sweet type and hence, can be utilised in any form.

Table 1. Areas visited

Region	District	Sub County	Parish	Village
Central	Nakasongola	Wabinyonyi	Saasira	Machumu
Central	Luwero	Wobulenzi T/C	Kikoma	Kikoma
Central	Luwero	Nyimbwa	Nandera	Kabulanaka
Central	Wakiso	Masulita	Katikamu	Kasudde
Central	Wakiso	Busukuma	Kikoko	Nalumela
Central	Wakiso	Busukuma	Kikoko	Kirimatungu
Central	Wakiso	Busukuma	Kikoko	Kasambya
Central	Wakiso	Busukuma	Kikoko	Buso
Central	Wakiso	Busukuma	Kikoko	Sendusu
Central	Wakiso	Busukuma	Kikoko	Sitabaale
Central	Wakiso	Busukuma	Kikoko	Nabalanga
Central	Wakiso	Busukuma	Kikoko	Nakyesesa
Central	Wakiso	Busukuma	Kikoko	Namulonge
Central	Wakiso	Busukuma	Koko	Sitabaale
Central	Mukono	Nama	Namubiiro	Kilangira
Central	Mukono	Goma	Nantaburirwa	Senyi / Degeye
Central	Mukono	Goma	Seeta	Njerere
Central	Wakiso	Busukuma	Buwali	Buwali
Central	Mukono	Ntenjeru	Bunakijja	Bunakijja
Central	Kiboga	Gayaza	Kiyuni	Kiyuni
Central	Kiboga	Ntwetwe	Bugomolwa	Kikajjo
North	Apac	Aduku	Apire	Aminakire
North	Apac	Aduku	Apire	Angolonyang
North	Apac	Aduku	Apire	Teopok
North	Apac	Inomo	Inomo West	Baro Opobo
North	Apac	Inomo	Inomo West	Baro Opobo
North	Apac	Chegere	Chegere	Anyambazi
North	Apac	Chegere	Tebke	Agongo Cell

Quantification of planting materials

The team developed a data sheet that was used in the survey to capture the variety, area covered by variety, plant height and number of stems per stool, pests and diseases (CMD,CBSD, CBB and MB). Data was taken in two randomly sampled areas measuring 50 M². Other data captured included cropping pattern practiced, age of the crop, quality of stems as per observation and field management, source of planting materials, willing seller price and farmer location details. A total of 50 farms with TMS I92/0067 and /or MH97/2961 were surveyed and data taken.

Table 2: Summary of the Quantified materials by District.

District	No. Farmers	Estimated Bags TMS I92/0067	Estimated bags MH97/2961	Total
Nakasongola	1	218	0	218
Luwero	2	66	47	113
Wakiso	25	824	617	1441
Mukono	6	262	117	379
Kayunga	0	0	0	0
Kiboga	5	0	637	637
Apac	9	24	1261	1285
Total		1394	2679	4073

The amount of cassava planting materials expected from the survey is about 4073 bags of which 1394 bags are of TMS I92/0067 while 2679 bags are of MH97/2961 (Tables 2 and 3) . However additional estimated 583 bags can further be raised from fields that the team did not take data either because the quantities involved were very small (<10 bags), the owners were not available or where information was provided later as the case of Kayunga district where the contact person later provided information of availability of about 350 bags of both TMS I92/0067 and MH97/2961. The highest amount of materials for the two target varieties were found in Wakiso District followed by Apac District in the North. This is probably because Namulonge is in Wasiko District while Apac is because of the PL 480 project which was multiplying improved materials. No source of materials was identified in Kayunga District at the time of the survey though information was provided later. The majority of farmers who had these varieties were small scale farmers since majority (74 %) could raise only 8-70 bags only. The low amount of available improved planting material was because other improved varieties disseminated were susceptible to CBSD which was observed in 2005 in the country.

The available surveyed meets the country target though because of time lapse some of this material may be sold off before CRS procures. CRS has a country target of 3,440 bags to benefit 1,720 farmers.

Table 3. Available stems by variety and farmer

No.	SubCounty	Farmer	Variety	Age	Area(M ²)	Est. Bags
1	Wabinyonyi	Senku Stanley 0782668429	TMS I92/0067	18	11735	263
2	Wobulenzi T/C	Kalibala Mrs 0772604883	MH97/2961	16	2160	47
3	Nyimbwa	Haji Abudalah	TMS I92/0067	24	3081	66
4	Masulita	Kivumbi Salongo 0752587537	TMS I92/0067	12	4400	84
5	Busukuma	Alajo Agnes	TMS I92/0067	12	6000	168
6	Busukuma	Wabwire John	MH97/2961	10	1800	62
7	Busukuma	Einau Mrs	MH97/2961	11	1680	77
8	Busukuma	Hariet Alicai	TMS I92/0067	10	1953	43
9	Busukuma	Okumu Alfred	TMS I92/0067	9	2800	55
10	Busukuma	Kalumba Haruna	MH97/2961	10	700	27
11	Busukuma	Walukaga	TMS I92/0067	9	3812	134
12	Busukuma	Luganda	MH97/2961	18	400	12
13	Busukuma	Luganda	MH97/2961	9	400	11

14	Busukuma	Musoke Denis	TMS I92/0067	10	2000	69
15	Busukuma	Odaro	TMS I92/0067	12	1200	41
16	Busukuma	Anguzu Nathan	TMS I92/0067	10	3950	118
17	Busukuma	Namakula Hajati	MH97/2961	10	780	24
18	Busukuma	Odubuto Lino	TMS I92/0067	10	957	14
19	Busukuma	Okesi Moses	TMS I92/0067	10	400	8
20	Busukuma	Miuro	MH97/2961	7	1175	62
21	Busukuma	Opara Angelo	MH97/2961	9	670	27
22	Busukuma	Nasubuga Sarah	MH97/2961	11	858	38
23	Busukuma	Omara Jacob	MH97/2961	24	1920	64
24	Busukuma	Kasamba	MH97/2961	10	800	18
25	Busukuma	Kayongo Sula	MH97/2961	10	2300	50
26	Nama	Cpt Segujja	TMS I92/0067	18	1000	14
27	Nama	Nakenya Aron	TMS I92/0067	15	420	10
		Kawago Tonny				
28	Goma	0712923778	TMS I92/0067	12	12000	176
		Kawago Tonny				
29	Goma	0712923778	MH97/2961	12	8000	117
		Wakabi Getrude				
30	Goma	0752954902	TMS I92/0067	12	528	9
31	Busukuma	Majari Charles	TMS I92/0067	10	552	13
32	Busukuma	Majari Charles	TMS I92/0067	10	2451	78
33	Busukuma	Majari Charles	MH97/2961	12	3872	124
34	Busukuma	Mary	MH97/2961	9	1026	20
35	Ntenjeru	Setwalo David	TMS I92/0067	12	500	12
36	Ntenjeru	Masaba Thomas	TMS I92/0067	14	2000	41
		Ssebitalo 0772335377				
37	Gayaza	0752286161	MH97/2961	10	24000	518
38	Gayaza	Kabega	MH97/2961	10	2000	24
39	Gayaza	Katambala	MH97/2961	10	4000	29
40	Gayaza	Mukamalita Concilia	MH97/2961	12	2000	30
41	Ntwetwe	Kabanda Muisi	MH97/2961	8	2000	36
42	Aduku	Okao Geoffrey	MH97/2961	12	4000	49
43	Aduku	Ekongo Moses	MH97/2961	15	8000	96
44	Aduku	Opio Bosco	MH97/2961	16	4000	28
45	Inomo	Ogwal Obase Wlison	MH97/2961	14	28000	756
46	Inomo	Ogwal Obase Wlison	MH97/2961	14	12000	216
47	Inomo	Onema Concy	MH97/2961	8	1200	14
48	Chegere	Ochien Francis	MH97/2961	6	2000	36
49	Chegere	Opio James	TMS I92/0067	8	2000	24
50	Aduku	Okuhu Moses	MH97/2961	16	12000	67
	Total					4073

Note: A bag contains about 700 – 800 cuttings

Plant health

a) CMD

The materials surveyed were of good health and suitable for multiplication and distribution to the farmers. Very few mild cases of CMD were noted in TMS I92/0067 with incidence of 1% and severity score 2. Of the 19 farms surveyed with the variety, 21% of them showed CMD symptoms. As for MH97/2961 no incidence of CMD was observed as indicated in tables 4.

b) CBB

It was the most prevalent biotic stress but in varying incidences since all the varieties had expressed symptoms. The incidence ranged from as low as 3 % to 100 % in some fields. Variety MH97/2961 had higher incidence in the entire fields surveyed. The severity was however low (score 2) in most cases and that did not affect the quality of the planting material since it was mainly necrosis of the leaves and the crops had grown up with no signs of severe attack like die-back. This disease is not a serious problem to cassava production in Uganda.

c) CBSD and MB

No cases of mealybug and cassava brown streak were observed in all the fields that the team surveyed. This also confirms that these 2 varieties were still resistant to brown streak compared to others in the CBSD hit areas.

Table 4: Summary of Health of the Varieties

Variety	CMDI	CMDS	CBBI	CBBS	CBSDI	CMI
I92/0067	1%	2	68%	2	0	0
MH97/2961	0	1	73%	2	0	0

Source of varieties and market outlets for stems

The majority of farmers said they had got the materials from NARO and its affiliates with a few getting from NGOs and other government programs as well as fellow farmers. This indicated that the rural farmers who do not even know existence of research institutions find it hard to adopt some these varieties and it's the reason why majority of the farmers with materials were from Wakiso where NAARI is located.

The main market outlets were NGOs, farmers and Government programs at various levels. Some farmers had never sold any since they had planted improved variety for the first time.

Price range

The price for these varieties ranged between 10,000 to 20,000 per bag depending on the location of the farmer and demand. The most expressed price for Wakiso mainly Namulonge area was 15,000 to 20,000 per bag of stems. The rest of the farmers quoted 10,000 to 15,000 per bag. All those who had improved varieties were willing to sell their stems.

Recommendations

While some materials were found to be present in the Project target areas materials were also surveyed in other places.

There is need for prompt procurement of the materials as many other players are interested in buying the materials available. Action should be taken by CRS by issuing of assurance that they shall buy those materials.

Procurement should be done separately for each District under supervision of experienced technical staff to ensure good monitoring of quality, variety and packaging.

Strict field supervision while collecting cuttings should be done since most of the fields inspected had a few mix ups of TME 14, TME 204 and locals. The bags should bear name of seller and the variety for trace back in case of poor quality.

Other target areas with improved stems that the team did not visit are Iganga, Mayuge and Kamuli Districts which can be considered in case of shortage. The reported availability of stems in Kayunga District could also be followed up.

Appendices

Appendix 1. Farm location

No.	District	SubCounty	Parish	Village	Farmer	GPS Long	GPS latit	Elev
1	Nakasongola	Wabinyonyi	Saasira	Machumu	Senku Stanley 0782668429	01°20'27N	032°24'50E	1101
2	Luwero	Wobulenzi T/C	Kikoma	Kikoma	Kalibala Mrs 0772604883	00°44'48N	032°28'41E	1138
3	Luwero	Nyimbwa	Nandera	Kabulanaka	Haji Abudalah	00°37'38N	032°30'48E	1159
4	Wakiso	Masulita	Katikamu	Kasudde	Kivumbi Salongo 0752587537	00°29'52N	032°19'54E	1156
5	Wakiso	Busukuma	Kikoko	Nalumela	Alajo Agnes	00°30'26N	032°38'32E	1125
6	Wakiso	Busukuma	Kikoko	Nalumela	Wabwire John	00°30'37N	032°38'41E	1107
7	Wakiso	Busukuma	Kikoko	Nalumela	Einau Mrs	00°30'32N	032°38'34E	1117
8	Wakiso	Busukuma	Kikoko	Nalumela	Hariet Alicai	00°30'33N	032°38'30E	1121
9	Wakiso	Busukuma	Kikoko	Kirimatungu	Okumu Alfred	00°31'25N	032°38'14E	1120
10	Wakiso	Busukuma	Kikoko	Kasambya	Kalumba Haruna	00°30'30N	032°37'10E	1130
11	Wakiso	Busukuma	Kikoko	Buso	Walukaga	00°31'38N	032°35'49E	1156
12	Wakiso	Busukuma	Kikoko	Sendusu	Luganda	00°31'40N	032°36'15E	1163
13	Wakiso	Busukuma	Kikoko	Sendusu	Luganda	00°31'37N	032°36'18E	1171
14	Wakiso	Busukuma	Kikoko	Sitabaale	Musoke Denis	00°31'53N	032°39'03E	1125
15	Wakiso	Busukuma	Kikoko	Kirimatungu	Odaro	00°31'21N	032°38'19E	1107
16	Wakiso	Busukuma	Kikoko	Kirimatungu	Anguzu Nathan	00°30'44N	032°37'59E	1125
17	Wakiso	Busukuma	Kikoko	Nabalanga	Namakula Hajati	00°31'69N	032°3'727E	1237
18	Wakiso	Busukuma	Kikoko	Nabalanga	Odubuto Lino	00°30'72N	032°38'70E	1217
19	Wakiso	Busukuma	Kikoko	Nabalanga	Okesi Moses	00°30'82N	032°38'73E	1220
20	Wakiso	Busukuma	Kikoko	Nakyesesa	Miir	00°31'17N	032°38'40E	1235
21	Wakiso	Busukuma	Kikoko	Namulonge	Opara Angelo	00°31'59N	032°27'84E	1220
22	Wakiso	Busukuma	Kikoko	Namulonge	Nasubuga Sarah	00°30'31N	032°38'74E	1223
23	Wakiso	Busukuma	Kikoko	Kirimatungu	Omara Jacob	00°30'61N	032°37'97E	1235
24	Wakiso	Busukuma	Kikoko	Namulonge	Kasamba	00°30'70N	032°38'64E	1218
25	Wakiso	Busukuma	Koko	Sitabaale	Kayongo Sula	00°31'25N	032°38'71E	1215
26	Mukono	Nama	Namubiiru	Kilangira	Cpt Segujja	00°21'36N	032°46'46E	1146
27	Mukono	Nama	Namubiiru	Kilangira Senyi /	Nakenya Aron	00°21'36N	032°46'49E	1137
28	Mukono	Goma	Nantaburirwa	Degeye Senyi /	Kawago Tonny 0712923778	00°19'25N	032°42'52E	1278
29	Mukono	Goma	Nantaburirwa	Degeye	Kawago Tonny 0712923778	00°19.25N	032°42.52E	1278
30	Mukono	Goma	Seeta	Njerere	Wakabi Getrude 0752954902	00°20'06N	032°44'01E	

31	Wakiso	Busukuma	Kikoko	Namulonge	Majari Charles	00°31'26N	032°36'27E	1161
32	Wakiso	Busukuma	Kikoko	Namulonge	Majari Charles	00°30.57N	032°49.26E	1174
33	Wakiso	Busukuma	Buwali	Buwali	Majari Charles	00°32'21N	032°35'30E	1190
34	Wakiso	Busukuma	Nabalanga	Namulonge	Mary	00°31'37N	032°36'18E	1155
35	Mukono	Ntenjeru	Bunakiiija	Bunakiiija	Setwalo David	00°09'58N	032°49'26E	1175
36	Mukono	Ntenjeru	Bunakiiija	Bunakiiija	Masaba Thomas	00°10'38N	032°49'00E	1176
37	Kiboga	Gayaza	Kiyuni	Kiyuni	Ssebitalo 0772335377 0752286161	00°93.72N	031°46'72E	1158
38	Kiboga	Gayaza	Kiyuni	Kiyuni	Kabega	00°92.73N	031°46.89E	1136
39	Kiboga	Gayaza	Kiyuni	Kiyuni	Katambala	00°92.61N	031°46.95E	1136
40	Kiboga	Gayaza	Kiyuni	Kiyuni	Mukamalita Concilia	00°92.81N	031°47.14E	1124
41	Kiboga	Ntwetwe	Bugomolwa	Kikajjo	Kabanda Musis	00°96.02N	031°66.14E	1191
42	Apac	Aduku	Apiire	Aminakire	Okao Geoffrey	02°02.03N	032°67.84E	1063
43	Apac	Aduku	Apiire	Angolonyang	Ekongo Moses	02°02.80N	032°68.73E	1058
44	Apac	Aduku	Apiire	Teopok	Opio Bosco	02°02.28N	032°68.93E	1060
45	Apac	Inomo	Inomo West	Baro Opobo	Ogwal Obace Wlison	02°02.48N	032°65.05E	1066
46	Apac	Inomo	Inomo West	Baro Opobo	Ogwal Obace Wlison	02°02.48N	032°65.05E	1066
47	Apac	Inomo	Inomo West	Topeyero	Onema Concy	02°04.99N	032°64.47E	1086
48	Apac	Chegere	Chegere	Anyambazi	Ochien Francis	02°08.41N	032°52.76E	1067
49	Apac	Chegere	Tebke	Agongo Cell	Opio James	02°17.18N	032°61.62E	1062
50	Apac	Aduku	Apiire	Teopok	Okuhu Moses	02°06.68N	032°68.16E	1059

Appendix 2. Improved variety quantification and value

No.	SubCounty	Farmer	Variety	Age	Area(M ²)	Est.Bags	Est.Value (Ug.Shs)
1	Wabinyonyi	Senku Stanley 0782668429	TMS I92/0067	18	11735	263	5,260,000
2	Wobulenzi T/C	Kalibala Mrs 0772604883	MH97/2961	16	2160	47	940,000
3	Nyimbwa	Haji Abudalah	TMS I92/0067	24	3081	66	1,320,000
4	Masulita	Kivumbi Salongo 0752587537	TMS I92/0067	12	4400	84	1,680,000
5	Busukuma	Alajo Agnes	TMS I92/0067	12	6000	168	3,360,000
6	Busukuma	Wabwire John	MH97/2961	10	1800	62	1,240,000
7	Busukuma	Einau Mrs	MH97/2961	11	1680	77	1,540,000
8	Busukuma	Hariet Alicai	TMS I92/0067	10	1953	43	860,000
9	Busukuma	Okumu Alfred	TMS I92/0067	9	2800	55	1,100,000
10	Busukuma	Kalumba Haruna	MH97/2961	10	700	27	540,000
11	Busukuma	Walukaga	TMS I92/0067	9	3812	134	2,680,000

12	Busukuma	Luganda	MH97/2961	18	400	12	240,000
13	Busukuma	Luganda	MH97/2961	9	400	11	220,000
14	Busukuma	Musoke Denis	TMS I92/0067	10	2000	69	1,380,000
15	Busukuma	Odaro	TMS I92/0067	12	1200	41	820,000
16	Busukuma	Anguzu Nathan	TMS I92/0067	10	3950	118	2,360,000
17	Busukuma	Namakula Hajati	MH97/2961	10	780	24	480,000
18	Busukuma	Odubuto Lino	TMS I92/0067	10	957	14	280,000
19	Busukuma	Okesi Moses	TMS I92/0067	10	400	8	160,000
20	Busukuma	Miiro	MH97/2961	7	1175	62	1,240,000
21	Busukuma	Opara Angelo	MH97/2961	9	670	27	540,000
22	Busukuma	Nasubuga Sarah	MH97/2961	11	858	38	760,000
23	Busukuma	Omara Jacob	MH97/2961	24	1920	64	1,280,000
24	Busukuma	Kasamba	MH97/2961	10	800	18	360,000
25	Busukuma	Kayongo Sula	MH97/2961	10	2300	50	1,000,000
26	Nama	Cpt Segujja	TMS I92/0067	18	1000	14	280,000
27	Nama	Nakenya Aron	TMS I92/0067	15	420	10	200,000
28	Goma	Kawago Tonny 0712923778	TMS I92/0067	12	12000	176	3,520,000
29	Goma	Kawago Tonny 0712923778	MH97/2961	12	8000	117	2,340,000
30	Goma	Wakabi Getrude 0752954902	TMS I92/0067	12	528	9	180,000
31	Busukuma	Majari Charles	TMS I92/0067	10	552	13	260,000
32	Busukuma	Majari Charles	TMS I92/0067	10	2451	78	1,560,000
33	Busukuma	Majari Charles	MH97/2961	12	3872	124	2,480,000
34	Busukuma	Mary	MH97/2961	9	1026	20	400,000
35	Ntenjeru	Setwalo David	TMS I92/0067	12	500	12	240,000
36	Ntenjeru	Masaba Thomas Ssebitalo 0772335377	TMS I92/0067	14	2000	41	820,000
37	Gayaza	0752286161	MH97/2961	10	24000	518	10,360,000
38	Gayaza	Kabega	MH97/2961	10	2000	24	480,000
39	Gayaza	Katambala	MH97/2961	10	4000	29	580,000
40	Gayaza	Mukamalita Concilia	MH97/2961	12	2000	30	600,000
41	Ntwetwe	Kabanda Musis	MH97/2961	8	2000	36	720,000
42	Aduku	Okao Geoffrey	MH97/2961	12	4000	49	980,000
43	Aduku	Ekongo Moses	MH97/2961	15	8000	96	1,920,000
44	Aduku	Opio Bosco	MH97/2961	16	4000	28	560,000

45	Inomo	Ogwal Obase Wlison	MH97/2961	14	28000	756	15,120,000
46	Inomo	Ogwal Obase Wlison	MH97/2961	14	12000	216	4,320,000
47	Inomo	Onema Concy	MH97/2961	8	1200	14	280,000
48	Chegere	Ochien Francis	MH97/2961	6	2000	36	720,000
49	Chegere	Opio James	TMS I92/0067	8	2000	24	480,000
50	Aduku	Okuhu Moses	MH97/2961	16	12000	67	1,340,000

Appendix 3. Disease and pest incidences and severities on improved varieties

Field No.	Farmer	Variety	CMDi	CMDs	CBSDi	CBBi	CBBs	CM i
1	Senku Stanley 0782668429	TMS I92/0067	0	1	0	70	2	0
2	Kalibala Mrs 0772604883	MH97/2961	0	1	0	20	2	0
3	Haji Abudalah	TMS I92/0067	0	1	0	100	2	0
4	Kivumbi Salongo 0752587537	TMSI92/0067	1	2	0	100	2	0
5	Alajo Agnes	TMS I92/0067	0	1	0	30	2	0
6	Wabwire John	MH97/2961	0	1	0	70	2	0
7	Einau Mrs	MH97/2961	0	1	0	70	2	0
8	Hariet Alicai	TMS I92/0067	0	1	0	100	2	0
9	Okumu Alfred	TMS I92/0 067	1	2	0	70	2	0
10	Kalumba Haruna	MH97/2961	0	1	0	100	2	0
11	Walukaga	TMS I92/0067	0	1	0	40	2	0
12	Luganda	MH97/2961	0	1	0	100	2	0
13	Luganda	MH97/2961	0	1	0	100	2	0
14	Musoke Denis	TMS I92/0067	0	1	0	100	2	0
15	Odaro	TMS I92/0067	0	1	0	100	2	0
16	Anguzu Nathan	TMSI92/0067	0	1	0	100	3	0
17	Namakula Hajati	MH97/2961	0	1	0	70	2	0
18	Odubuto Lino	TMS I92/0067	1	2	0	3	2	0
19	Okesi Moses	TMS I92/0067	0	1	0	100	2	0
20	Miir	MH97/2961	0	1	0	50	2	0
21	Opara Angelo	MH97/2961	0	1	0	20	2	0
22	Nasubuga Sarah	MH97/2961	0	1	0	100	2	0
23	Omara Jacob	MH97/2961	0	1	0	50	2	0
24	Kasamba	MH97/2961	0	1	0	40	2	0
25	Kayongo Sula	MH97/2961	0	1	0	100	2	0
26	Cpt Segujja	TMS I92/0067	0	1	0	100	2	0
27	Nakenya Aron	TMS I92/0067	0	1	0	100	2	0
28	Kawago Tonny 0712923778	TMS I92/0067	0	1	0	20	2	0
29	Kawago Tonny 0712923778	MH97/2961	0	1	0	20	2	0
30	Wakabi Getrude 0752954902	TMS I92/0067	1	2	0	10	2	0

31	Majari Charles	TMS I92/0067	0	1	0	10	2	0
32	Majari Charles	TMS I92/0067	0	1	0	10	2	0
33	Majari Charles	MH97/2961	0	1	0	10	2	0
34	Mary	MH97/2961	0	1	0	5	2	0
35	Setwalo David	TMS I92/0067	0	1	0	100	2	0
36	Masaba Thomas	TMS I92/0067	0	1	0	100	2	0
37	Ssebitalo 0772335377 0752286161	MH97/2961	0	1	0	100	2	0
38	Kabega	MH97/2961	0	1	0	100	2	0
39	Katambala	MH97/2961	0	1	0	80	2	0
40	Mukamalita Concilia	MH97/2961	0	1	0	100	2	0
41	Kabanda Musis	MH97/2961	0	1	0	100	2	0
42	Okao Geoffrey	MH97/2961	0	1	0	80	2	0
43	Ekongo Moses	MH97/2961	0	1	0	100	2	0
44	Opio Bosco	MH97/2961	0	1	0	100	2	0
45	Ogwal Obace Wlison	MH97/2961	0	1	0	100	2	0
46	Ogwal Obace Wlison	MH97/2961	0	1	0	100	2	0
47	Onema Concy	MH97/2961	0	1	0	30	2	0
48	Ochien Francis	MH97/2961	0	1	0	100	2	0
49	Opio James	TMS I92/0067	0	1	0	80	2	0
50	Okuhu Moses	MH97/2961	0	1	0	100	2	0