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**CASSAVA CLEAN SEED SYSTEMS SURVEY**

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| This voluntary survey looks at the trade of cassava cuttings, and how cassava diseases might be transported through trade networks. The information obtained from this survey will be used to inform mathematical models of disease dispersal. Thank you for your participation in this survey, your assistance is greatly appreciated. An example response is given in grey.  This voluntary survey looks at the trade of cassava cuttings, and how cassava diseases might be transported through trade networks. The information obtained from this survey will be used to inform mathematical models of disease dispersal. Thank you for your participation in this survey, your assistance is greatly appreciated. An example response is given in grey.  We will use this information to produce a report, and to inform research activities both now and in the future. The information will be stored electronically and transferred outside of the Zambia to multiple international destinations. All publications of the data collected will be in aggregate format, and as such personal information or precise location information will not be made public. Please tick this box if you DO NOT wish us to share aggregated information with third parties (such as universities, research institutions and private companies) for use in future research activities.  Please sign below Please print your name here  . | | | | | | | | | | | | | | | | | | | |
| **NUMERATOR AND VILLAGE IDENTIFICATION** | | | | | | | | | | | | | | | | | | | |
| Questionnaire No | | | | Date | | | | | | | | Name of numerator | | | | | | | |
| 1 | | | | 09/06/2015 | | | | | | | | Patrick Chikoti | | | | | | | |
| Province | | | | District | | | | | | | | Village | | | | | | | |
| Eastern | | | | Lundazi | | | | | | | | Kaitondi | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | |
| **INFORMATION ABOUT THE GROWER’S FIELD** | | | | | | | | | | | | | | | | | | | |
| What is the geospatial location of the field? | | | | | What altitude is the field at? | | | | | | | | | | How big is the field? | | | | |
| 12°19'37.4"S, 33°06'18.8"E | | | | | 1143m | | | | | | | | | | 1 hectares | | | | |
| What variety do you grow? | | | | | How many varieties are in your field? | | | | | | | | | | Why do you prefer these varieties? | | | | |
| Albert | | | | | 1 | | | | | | | | | | The taste is good | | | | |
|  | | | | | | | | | | | | | | | | | | | |
| **WHEN AND HOW OFTEN DO YOU PLANT AND HARVEST CASSAVA** | | | | | | | | | | | | | | | | | | | |
| Plant your cassava fields? | | | | | | | | | Harvest your cassava fields? | | | | | | | | | | |
| Once a year every year, in January | | | | | | | | | When we need food, in August or later | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | |
| **CAN YOU ORDER YOUR REASONS FOR CHOOSING CUTTINGS** | | | | | | | | | | | | | | | | | | | |
| a) They come from people you trust | | | | b) They are the only cuttings you can get | | | | | | | | c) They look like they don’t have disease | | | | | | | |
| d) You prefer the variety | | | | e) They are easy to get | | | | | | | | f) They are cheap | | | | | | | |
| g) Other (please explain) | | | |  | | | | | | | |  | | | | | | | |
| I think (d) is most important, then (e), (f), (a), (c) and last (b). I can’t think of any other reasons. | | | | | | | | | | | | | | | | | | | |
| **CUTTING TRADE** | | | | | | | | | | | | | | | | | | | |
| **FROM YOUR LAST CASSAVA HARVEST, WHERE DID YOUR CUTTINGS GO** | | | | | | | | | | | | | | | | | | | |
|  | | Your own field(s) | | | Your stores | | Have to throw away | | | Friends or family | | | A market | | | | A middle-man | | An NGO  or research station |
| How many bags of **cuttings** went to each type of place? | | 1 | | | 2 | | 5 | | | 5 | | | 9 | | | | 2 | | 0 |
| How many different places did you distribute cuttings to? | |  | | |  | |  | | | 3 | | | 2 | | | | 1 | | 0 |
| How far away from your fields was each different place? | |  | | |  | |  | | | 50 m,  2 km,  4 km | | | 3 km,  10 km | | | | 10 km | |  |
| Can you name each different place or their location? | |  | | |  | |  | | |  | | | Kalonje, Lundazi | | | | Lundazi | | --- |
|  | | | | | | | | | | | | | | | | | | | |
| **WHEN PLANTING YOUR FIELD IN THE PAST YEAR, WHERE DID YOUR CUTTINGS COME FROM** | | | | | | | | | | | | | | | | | | | |
|  | | | Your own field(s) or stores | | | The fields of friends, family or neighbours | | | | | A market | | | | | | | Another place (NGO, government, research station) | |
| How many bags of **cuttings** did you get from each type of source? | | | 1 | | | 3 | | | | | 2 | | | | | | | 2 | |
| How many different sources did you use? | | |  | | | 3 | | | | | 1 | | | | | | | 2 | |
| How far away from your fields was each different source? | | |  | | | 1 km, 5 km, 15 km | | | | | 10 km | | | | | | |  | |
| Can you name each different source? | | |  | | |  | | | | | Lundazi | | | | | | | ZARI, CRS | |
| What is your favourite source of cuttings? Rank each source by circling the number. | | | 1st  2nd  3rd  4th | | | 1st  2nd  3rd  4th | | | | | 1st  2nd  3rd  4th | | | | | | | 1st  2nd  3rd  4th | |
| Can you give a reason for your ranking of each source? | | | They are free and easy to get | | | They are free and I can see if they are good | | | | | It is far away but there are lots of varieties | | | | | | | They are good quality but expensive | |
| How far is it to the nearest type of each source | | |  | | | 50 m | | | | | 3 km | | | | | | | 10 km | |
| DISEASE KNOWLEDGE | | | | | | | | | | | | | | | | | | | |
| **CASSAVA MOSAIC DISEASE** | | | | | | | | | | | | | | | | | | | |
| What do you know about cassava mosaic disease? Who first told you about it? | | | | | | | | | It is a disease and it makes the cassava grow small. My neighbour told me the first time about it | | | | | | | | | | |
| How do you recognise the disease? | | | | | | | | | From the leaves that shrivel and the roots that grow small | | | | | | | | | | |
| How do you think the disease is spread? | | | | | | | | | When it is very dry and through insects | | | | | | | | | | |
| In what ways has this disease affected your area? | | | | | | | | | It is infecting lots of peoples fields and means they lose lots of cassava | | | | | | | | | | |
| In what ways has this disease affected your field(s)? | | | | | | | | | It used to be a problem but it isn’t any more | | | | | | | | | | |
| If it is a problem in your field(s), have you tried to control it? How? | | | | | | | | | I pulled out the infected plants and burned them | | | | | | | | | | |
| Do you know of certified clean planting material, and would you use it? | | | | | | | | | Yes | | | | | | | | | | |
| Where would you get certified clean planting material from? | | | | | | | | | From the extension worker that I know | | | | | | | | | | |
| What sources of information do you have for advice on cassava planting material and methods? | | | | | | | | | The extension worker, my parents and friends and sometimes the radio | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | |
| **CASSAVA BROWN STREAK DISEASE** | | | | | | | | | | | | | | | | | | | |
| What do you know about cassava brown streak disease? Who first told you about it? | | | | | | | | | It is a disease and it makes the cassava rot. I heard it on the radio that it is a problem in Malawi | | | | | | | | | | |
| How do you recognise the disease? | | | | | | | | | From the leaves that die and the roots that go brown | | | | | | | | | | |
| How do you think the disease is spread? | | | | | | | | | I don’t know | | | | | | | | | | |
| In what ways has this disease affected your area? | | | | | | | | | We don’t have it here in Zambia | | | | | | | | | | |
| In what ways has this disease affected your field(s)? | | | | | | | | | It hasn’t | | | | | | | | | | |
| If it is a problem in your field(s), have you tried to control it? How? | | | | | | | | | I have not got the disease | | | | | | | | | | |
| **INFORMATION AND DECISIONS** | | | | | | | | | | | | | | | | | | | |
| **GETTING INFORMATION** | | | | | | | | | | | | | | | | | | | |
|  | How often do you hear about cassava diseases from the following sources? | | | | | | | How often do you hear about certified clean planting material from the following sources? | | | | | | | | Can you order the sources with the most important one you would listen to first? | | | |
| People in your village or farmers group | Once a week | | | | | | | Every few weeks | | | | | | | | 1st 2nd 3rd  4th 5th 6th | | | |
| Extension workers | Once a month | | | | | | | Once a month | | | | | | | | 1st 2nd 3rd  4th 5th 6th | | | |
| A village leader | Once every few months | | | | | | | Every few weeks | | | | | | | | 1st 2nd 3rd  4th 5th 6th | | | |
| Friends or family in a different village | Often, whenever we talk | | | | | | | Also often | | | | | | | | 1st 2nd 3rd  4th 5th 6th | | | |
| Friends or family in a different sub-county | Not very often, not this season | | | | | | | Not at all | | | | | | | | 1st 2nd 3rd  4th 5th 6th | | | |
| Someone on the radio | Every month | | | | | | | Sometimes, not often | | | | | | | | 1st 2nd 3rd  4th 5th 6th | | | |
| Other (please explain) | - | | | | | | | - | | | | | | | | 1st 2nd 3rd  4th 5th 6th | | | |
|  | | | | | | | | | | | | | | | | | | | |
| **MAKING DECISIONS** | | | | | | | | | | | | | | | | | | | |
| How worried are you about cassava mosaic disease, on a scale of 1 to 10 where 1 is the least worried and 10 is the most worried. | | | | | | | | | | | | | | 3 | | | | | |
| Who or what has made you worried? | | | | | | | | | | | | | | On the radio they say that it is bad, and my neighbours have had some disease | | | | | |
| Do your neighbours control for mosaic disease? Do they use certified clean planting material? | | | | | | | | | | | | | | They do control for disease but they don’t buy planting material | | | | | |
| What would you bear in mind when deciding whether or not to use certified clean planting material? | | | | | | | | | | | | | | I would think is this expensive, and does the extension worker think I should use it | | | | | |
| If you had 10 neighbours, after how many of them get mosaic disease would you think of buying only certified clean planting material? | | | | | | | | | | | | | | 7 | | | | | |
| If you have 10 neighbours, after how many of them start using only certified clean planting material would you think of using only certified clean planting material | | | | | | | | | | | | | | 6 | | | | | |
| Would you buy a bundle of 100 of certified clean planting cutting if it cost   * + 1. 10.00 KWZ?     2. 15.00 KWZ?     3. 20.00 KWZ?     4. 30.00 KWZ?     5. 40.00 KWZ? | | | | | | | | | | | | | | 1. Yes 2. Yes 3. Maybe 4. No 5. No | | | | | |