2014 Costs and Returns Survey of Camote Production

Data Processing Manual

REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY
BUREAU OF AGRICULTURAL STATISTICS

2014 Costs and Returns Survey of Camote Production

1. Rationale

One of the major activities of a statistical survey is the development of computerized data processing system. It will facilitate quick generation of the data tables which are necessary in the preparation of technical report.

As in other data processing systems, this manual contains comprehensive instructions and procedures on the following activities:

- Data encoding/capture
- Data review/cleaning of micro-data files
- Data tables generation

2. Objectives

This data processing manual aims to provide the users, particularly the Provincial Processing Officers (PPOs), with detailed instructions on how to use the customized data processing system for the 2014 Costs and Returns Survey of Camote Production. Specifically, this manual aims to provide detailed procedures for the data encoding activity, data review and cleaning of the micro-data files and generation of data tables.

3. The Application Software

The data processing system for the 2014 CRS Camote Production is developed using Microsoft Excel. **Microsoft Excel** is a spreadsheet application developed by Microsoft for Microsoft Windows. It has the basic features of all spreadsheets using a grid of *cells* arranged in numbered *rows* and letter-named *columns* to organize data manipulations like arithmetic operations. It has different functions designed to answer statistical needs. It has a programming aspect, *Visual Basic for Applications*, allowing the user to employ a wide variety of numerical methods, for example, for solving mathematical and statistical equations. It is very helpful for doing calculation, graphing, tabulations (e.g. pivot tables) and macro programming.

4. General Instructions

1. Make sure that all questionnaires were edited.

2. Sort / Arrange the questionnaires by QC Number to check for completeness.

   Completeness *– the number of samples in the list of sample matched with the number of questionnaires edited and no missing entries across all blocks of questionnaire.*

3. Encode the data from Block A to Block N of each questionnaire. Refer to specific encoding instructions for each Block. For open ended question in the questionnaire, encode the verbatim answer on the space provided. If there is no answer or the answer is "NONE", leave the cell blank. **Do not encode the word "NONE".**

4. After encoding all the questionnaires, open the CRS_Camote_Flat_File and copy the data from block A to N then paste in CRS_Camote_Flatfile_with_Tables.

5. Review the CRS_Camote_Flatfile_with_Tables (i.e. those cells filled with color red) to check for consistency. Re-encode the correct data if any.

   Consistency *– means that one data item is supported or consistent with other data items. The consistency checks provided in the field editing manual were used and translated into computer program which is equivalent to Error Listing Program.*

6. After correcting all the errors, review the **data tables** to check for accuracy and data validation.

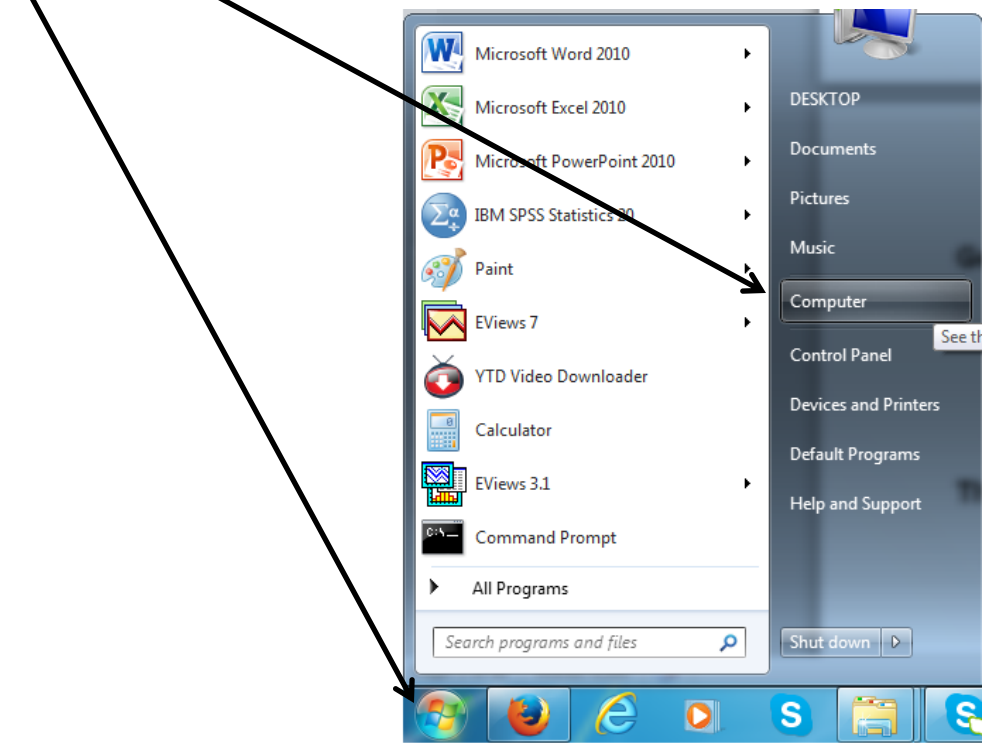
   Accuracy *– measures the closeness of the estimates to the actual (true) value. The statistics used are CV and standard errors*

   Validation *– indicators like production per hectare, labor input per hectare, gross returns per kilogram, seeding rate etc. generated from the survey results are comparable with existing data checks.*

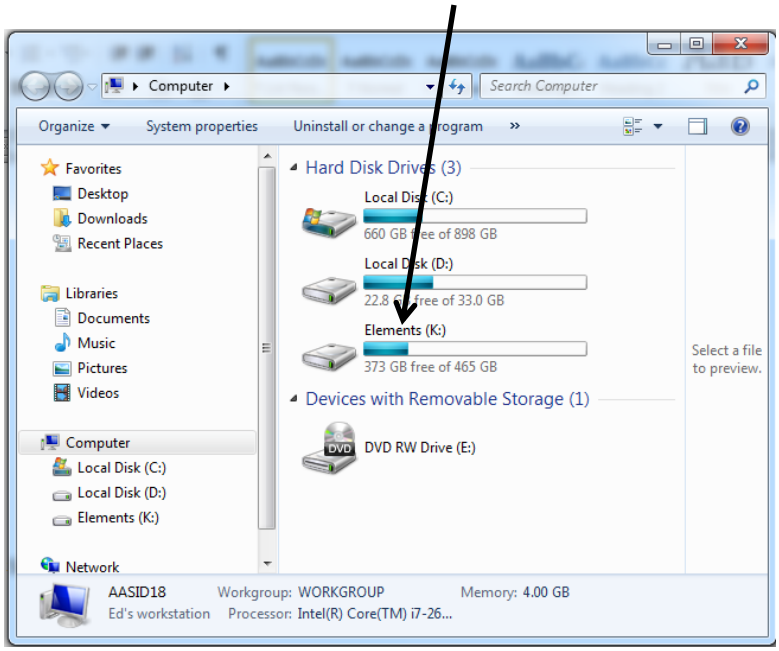
7. Submit the copy of the data files to the AASID for consolidation.

5. Getting Started

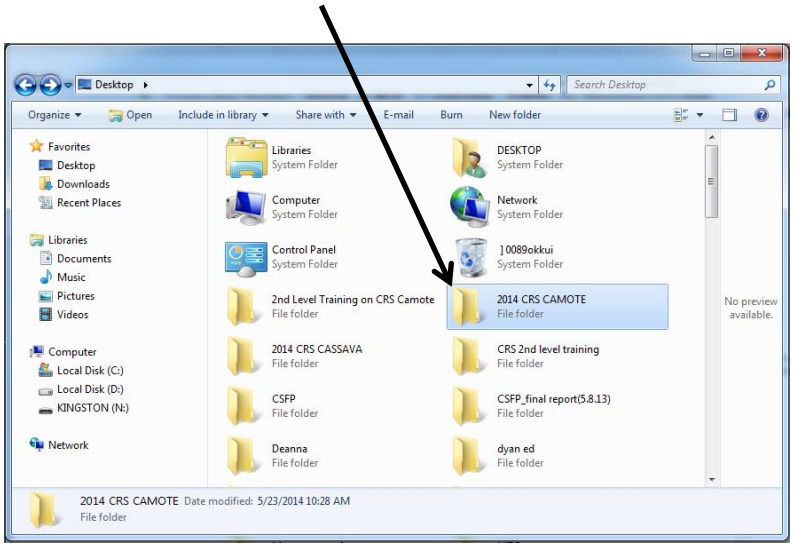
1. Copy the data processing system files
   - Click Start, Computer,



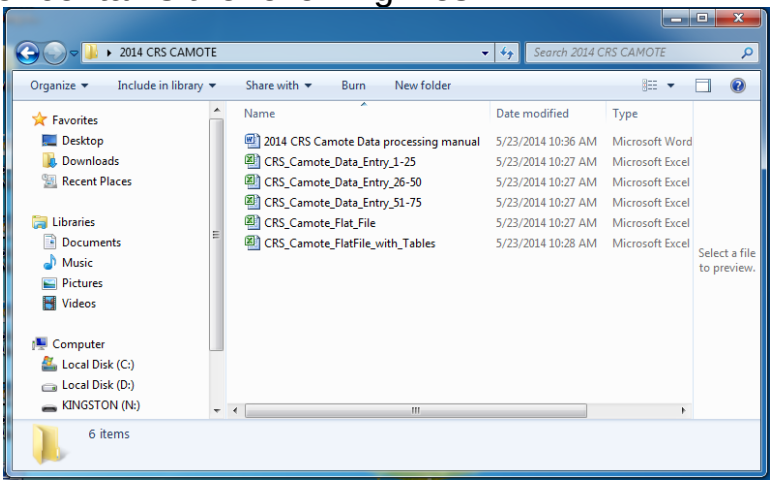
2. Select the drive where the files are located (Element K:)



3. Copy the folder **2014 CRS Camote** to desktop or USB



The folder contains the following files:



File Name	Description
2014 CRS Camote Data processing manual	This file contains the detailed instructions and procedures on how to use the data processing system
CRS_Camote_Data_Entry_1-25	Data entry template for samples 1 to 25
CRS_Camote_Data_Entry_26-50	Data entry template for samples 26 to 50
CRS_Camote_Data_Entry_51-75	Data entry template for samples 51 to 75
CRS_Camote_Flat_File	Version 1 of the raw data file (unedited)
CRS_Camote_FlatFile_with_Tables	Version 2 of the raw data file (cleaned). It contains also data tables.

6. Instructions on Data Encoding

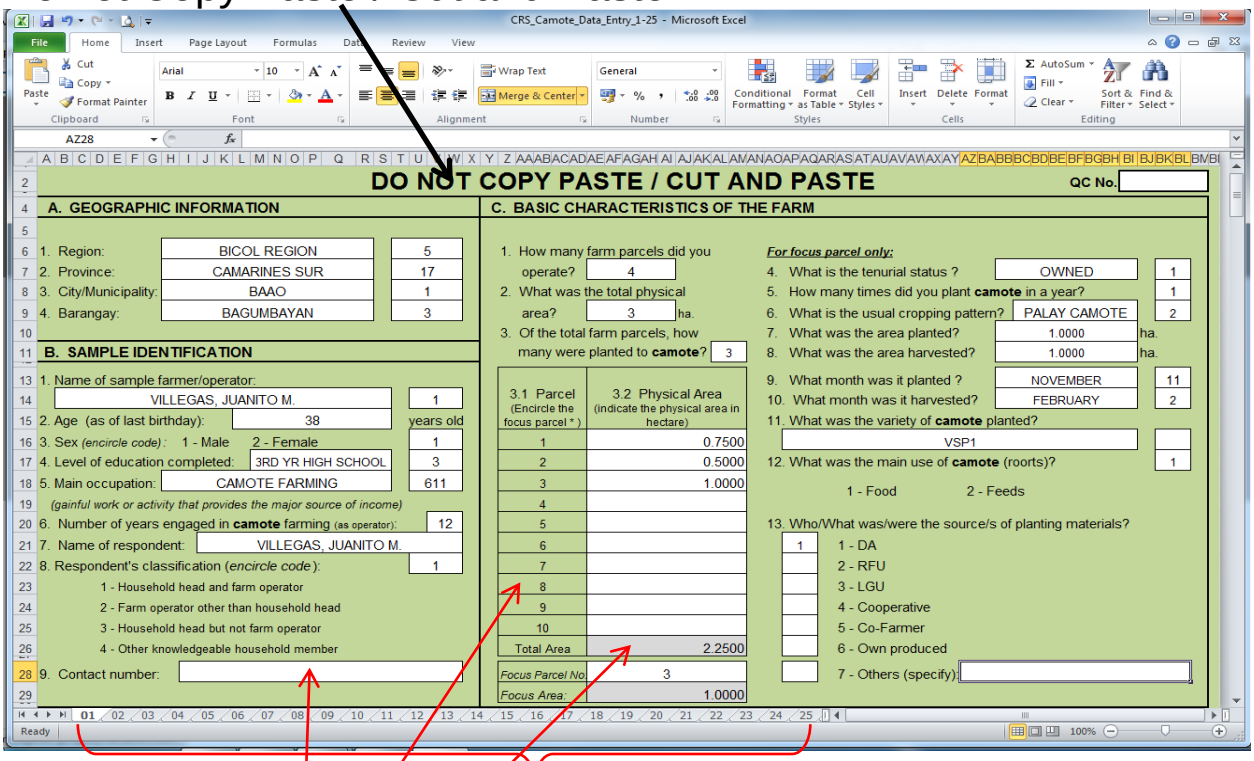
Open the following files:

CRS_Camote_Data_Entry_1-25	Data entry template for samples 1 to 25
CRS_Camote_Data_Entry_26-50	Data entry template for samples 26 to 50
CRS_Camote_Data_Entry_51-75	Data entry template for samples 51 to 75

Each worksheet contains the data entry for Block A to Block N which is identical to the pages of questionnaire. The data entry template is designed as the mirror image of the questionnaire to facilitate data encoding.

Illustration 1
The Data Entry Template

Do not Copy Paste / Cut and Paste



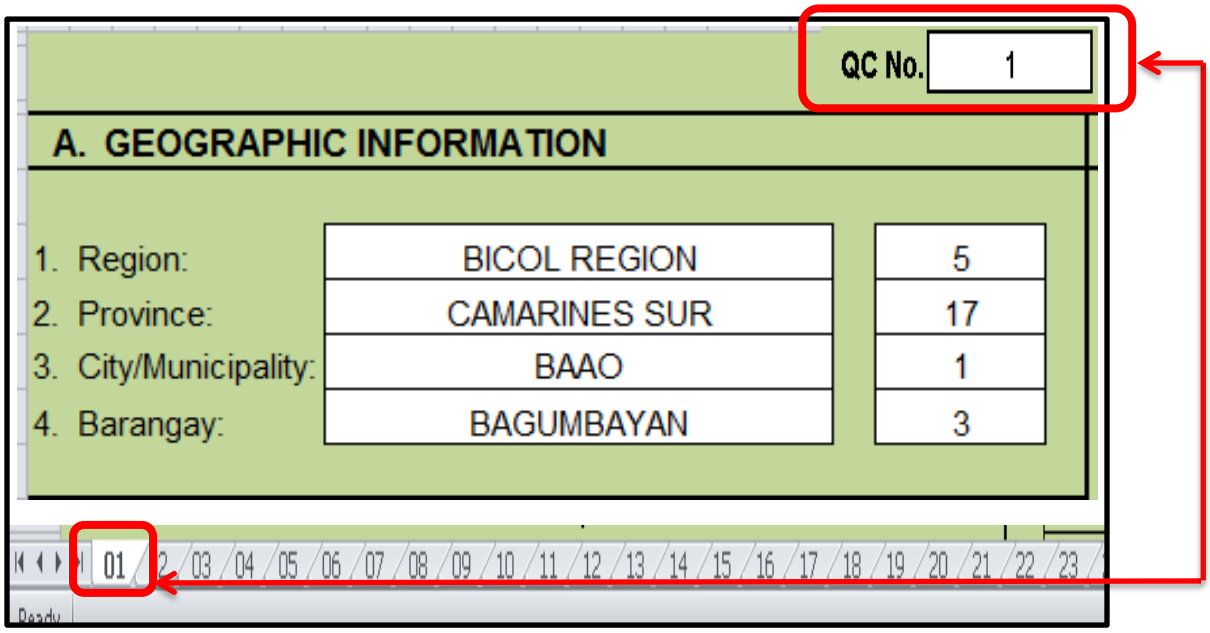
Each sheet corresponds to the sample farmer which contains color-coded cell.

- **Colored white** are open for data entry.
- **Colored green** are locked.
- **Colored grey** are cells that automatically compute values.

Block A

Illustration 2

Consistency of QC No. and Worksheet No.



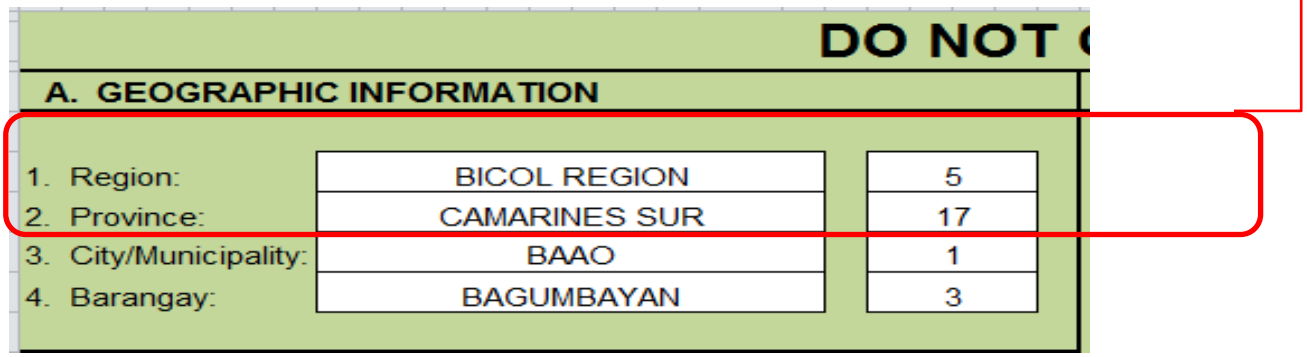
- Enter the QC number as it appears on the questionnaire. It should be consistent with worksheet number that corresponds to the sample (farmer).

- **Items 1 & 2** - encode the name of region and province and the corresponding codes. These items are linked in other sheets (sample 2 to 75), hence, no need for inputting.

- **Items 3 & 4** - encode the name of City/Municipality and Barangay and the corresponding codes.

Illustration 3

Sample of data entry for Block A



Block B

Illustration 4

Sample of data entry for Block B

B. SAMPLE IDENTIFICATION

1. Name of sample farmer/operator: VILLEGAS, JUANITO M. | 1
2. Age (as of last birthday): 38 | years old
3. Sex *(encircle code)*: 1 - Male 2 - Female | 1
4. Level of education completed: 3RD YR HIGH SCHOOL | 3
5. Main occupation: CAMOTE FARMING | 611

(gainful work or activity that provides the major source of income)

6. Number of years engaged in **camote** farming (as operator): 12
7. Name of respondent: VILLEGAS, JUANITO M.
8. Respondent's classification (*encircle code*): 1

1 - Household head and farm operator
2 - Farm operator other than household head
3 - Household head but not farm operator
4 - Other knowledgeable household member

9. Contact number:

- **Item 1** - encode the name of sample farmer/operator (Last Name, First Name) and household number in the corresponding box.
- **Item 2** - encode the age as of last birthday.
- **Item 3** - enter the sex code: 1 or 2 only (this is the encircled number in the questionnaire).

- **Item 4** - encode the level of education completed (text and code = 1 to 10).

Highest Educational Attainment	
Code	Item
01	Elementary level
02	Elementary Graduate
03	High School Level
04	High School Graduate
05	College Level

Highest Educational Attainment	
Code	Item
06	College Graduate
07	Post-graduate
08	Vocational
09	Pre-school
10	No Schooling

- **Item 5** - encode the main occupation (text and code); Code used for Main Occupation should be in accordance with the codes indicated in the (PSOC).

Main Occupation	
Code	Item
100	Government Officials, Special-Interest Organizations, Corporate Executives, Managers Managing Proprietors And Supervisors
200	Professionals
300	Technicians and Associate Professionals
400	Clerks
500	Service/Shop/Market Sales Workers
611	Field Crop Farmers
612	Orchard Farmers
613	Ornamental and Other Plant Growers

Main Occupation	
Code	Item
621	Livestock and Dairy Farmers
622	Poultry Farmers
629	Other animal Raisers
630	Forestry and related workers
640	Aquaculture Farmer
641	Fishermen (Capture Fishing)
700	Crafts and Related Trades Workers
800	Plant/Machine Operators and Assemblers
900	Laborers and Unskilled Workers
10	Special Occupations

- **Item 6** - encode the number of years engaged in Camote farming **(Age – years engaged in Camote farming >/= 15).**
- **Item 7** - encode the name of respondent (LAST NAME, FIRST NAME, M.I.).
- **Item 8** - enter code 1 to 4 only (this is the encircled number in the questionnaire).
- **Item 9** - encode the contact number.

Block C

Illustration 5

Sample of data entry for Block C

C. BASIC CHARACTERISTICS OF THE FARM

1. How many farm parcels did you operate? 4
2. What was the total physical area? 3 ha.
3. Of the total farm parcels, how many were planted to **camote**? 3

3.1 Parcel (Encircle the focus parcel *)	3.2 Physical Area (indicate the physical area in hectare)
1	0.7500
2	0.5000
3	1.0000
4	
5	
6	
7	
8	
9	
10	
Total Area	2.2500
Focus Parcel No.	3
Focus Area:	1.0000

For focus parcel only:

4. What is the tenurial status ? OWNED — 1
5. How many times did you plant **camote** in a year? — 1
6. What is the usual cropping pattern? PALAY - CAMOTE — 2
7. What was the area planted? 1.0000 ha.
8. What was the area harvested? 1.0000 ha.
9. What month was it planted ? NOVEMBER — 11
10. What month was it harvested? FEBRUARY — 2
11. What was the variety of **camote** planted? VSP1
12. What was the main use of **camote** (roorts)? — 1

1 - Food 2 - Feeds

13. Who/What was/were the source/s of planting materials?

1	1 - DA
	2 - RFU
	3 - LGU
	4 - Cooperative
	5 - Co-Farmer
	6 - Own produced
	7 - Others (specify):

- **Item 1** - encode the total number of farm parcels operated.
- **Item 2** - encode the total physical area (all parcels).
- **Item 3** - encode the total number of parcels planted to Camote.
- **Item 3.2** - encode the physical area of the parcel planted to Camote.
    - **Total Area** – (Gray-colored cell) no need for data entry
    - **Focus Parcel No.** - encode the focus parcel. This is the encircled parcel number in the questionnaire (in Item 3.1)
    - **Focus Area –** (Gray colored cell) area appear automatically when focus parcel number was inputted.

- **Item 4** - encode the tenure status of the focus parcel (text and code = 1 to 8).

Tenurial Status	
Code	**Item**
01	Fully owned
02	Tenanted
03	Leased/Rented
04	Amortized
05	Rent-free
06	Owner-like possession
07	CLT/CLOA
08	Others (specify)

- **Item 5** - encode the cropping pattern (encode in the corresponding box the number of crops appeared in cropping pattern)
- **Item 6** - encode the area planted of the focus parcel.
- **Item 7** - encode the area harvested of the focus parcel.
- **Items 8 & 9** - encode the month of planting and harvesting. Likewise, encode in the corresponding box the month code.

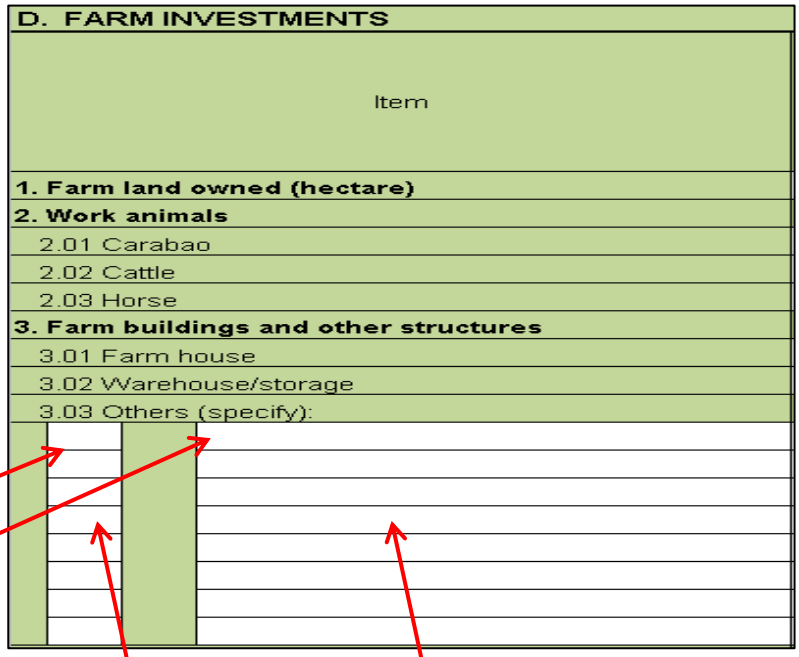
Month Planted/Harvested			
Code	**Item**	**Code**	**Item**
01	January	07	July
02	February	08	August
03	March	09	September
04	April	10	October
05	May	11	November
06	June	12	December

- **Item 10** - encode the variety of camote planting materials.
- **Item 11** - encode the main use of the variety planted (the encircled number in the questionnaire).
- **Item 12** - encode the code for the source/s of planting materials (code = 1 to 6). For **code 6**, other source of planting materials should be typed on the space provided.

Block D

- Encoding shall be done in horizontal manner (one data item at a time).
- Encode the investment items owned and used in the focus parcel.
- **Column 1** - Listed in this column are farm investments

Illustration 6



Item 1. – Farm land owned
Item 2. – Work animals

Item 3.03 - Other farm buildings and other structures

Input code **303** here

Input the verbatim answer

For data that are separated by slash (/), use also this space to encode the data.

Example, there are two farm house acquired in different years

Encode code (301) here and farm house here

Illustration 7
Farm Machineries

Item 4. Farm machinery and transport facilities

For item **4.06 Other farm machinery and transport facilities,** follow the instructions similar in **3.03 Other farm buildings and other structures**

D. FARM INVESTMENTS			
Item			
4. Farm machinery and transport facilities			
4.01 Two-wheel tractor			
4.02 Four-wheel tractor			
4.03 Farm vehicles			
4.04 Trailer/cart			
4.05 Grass cutter			
4.06 Others (specify):			

Illustration 8
Other Farm Tools and Implement

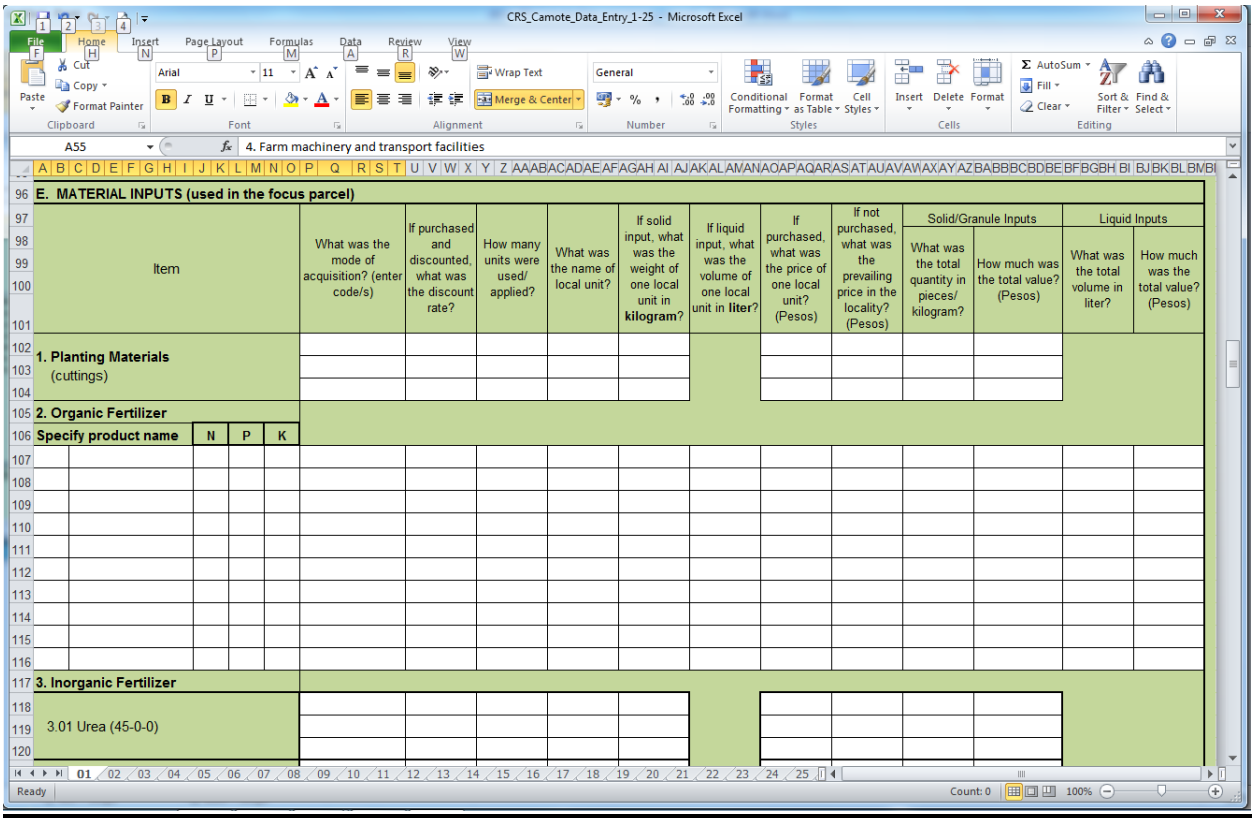
Item 5. Farm tools and implements

For item **5.15 Other farm tools and implements,** follow the instructions similar in **3.03 Other farm buildings and other structures**

D. FARM INVESTMENTS			
Item			
5. Farm tools and implements			
5.10 Post hole digger (panghukay)			
5.11 Yoke (singkaw)			
5.12 Rake (kalaykay)			
5.13 Weighing Scale (timbangan)			
5.14 Crates			
5.15 Others (specify):			

Block E

Illustration 9
Data Entry Template for Block E



Encoding shall be done in horizontal manner (one data item at a time).

Column 2 – enter the code for the mode of acquisition

CODE	ITEM
	Purchased
11	Self-financed (paid in cash)
12	Self-financed (paid in kind)
13	Discounted
21	**Own produced**
	Received
31	From government (DA/RFU, LGU, etc.)
32	From private individual / organization (Trader, Co-farmer, Cooperative, etc.)

Columns 3 to 13 - encode the data that correspond to the mode of acquisition.

Illustration 10

E. MATERIAL INPUTS (used in the focus parcel)

Item	What was the mode of acquisition? (enter code/s)	If purchased and discounted, what was the discount rate?	How many units were used/ applied?	What was the name of local unit?	If solid input, what was the weight of one local unit in **kilogram**?	If liquid input, what was the volume of one local unit in **liter**?	If purchased, what was the price of one local unit? (Pesos)	If not purchased, what was the prevailing price in the locality? (Pesos)	Solid/Granule Inputs	
									What was the total quantity in kilogram?	How much was the total value? (Pesos)
1. Planting Materials (cuttings)	21		100.00	bundle	20.00			100.00	2000.00	2,000.00

Item 1 – encode the data for planting material in column 2 to column 13.

Item 2 - organic fertilizer

Illustration 11

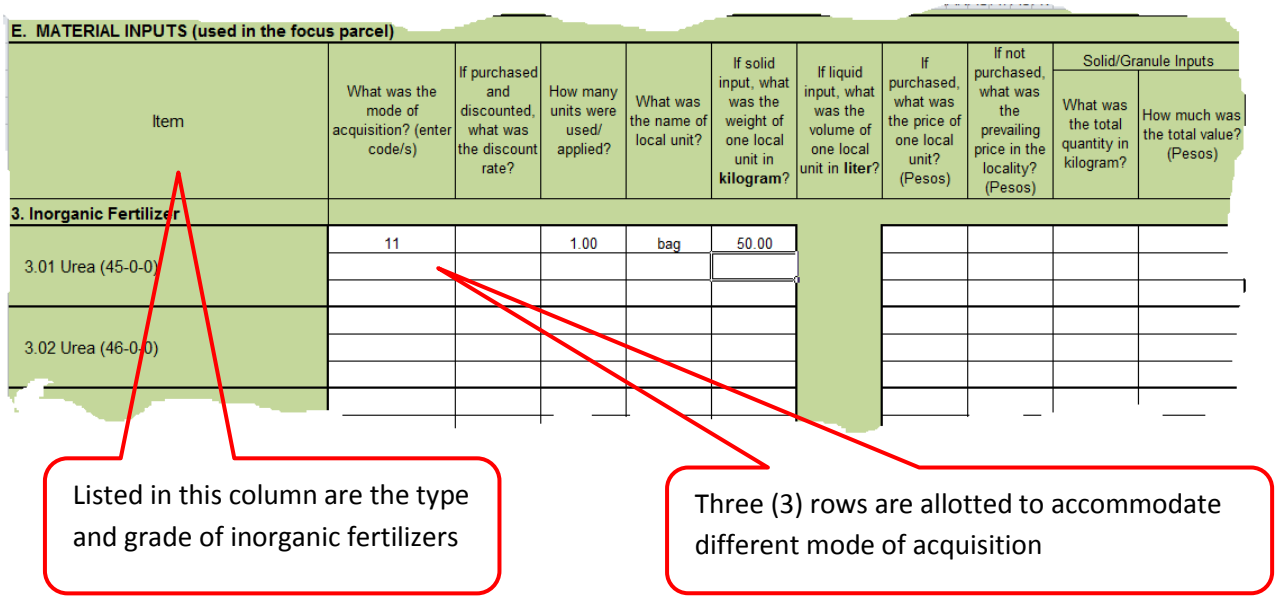
E. MATERIAL INPUTS (used in the focus parcel)

Item	What was the mode of acquisition? (enter code/s)	If purchased and discounted, what was the discount rate?	How many units were used/ applied?	What the na local
2. Organic Fertilizer				
Specify product name **N** **P** **K**				

Input code 200 here, the product name here, and N-P-K content here

Item 3 - **In**organic fertilizer

Illustration 12



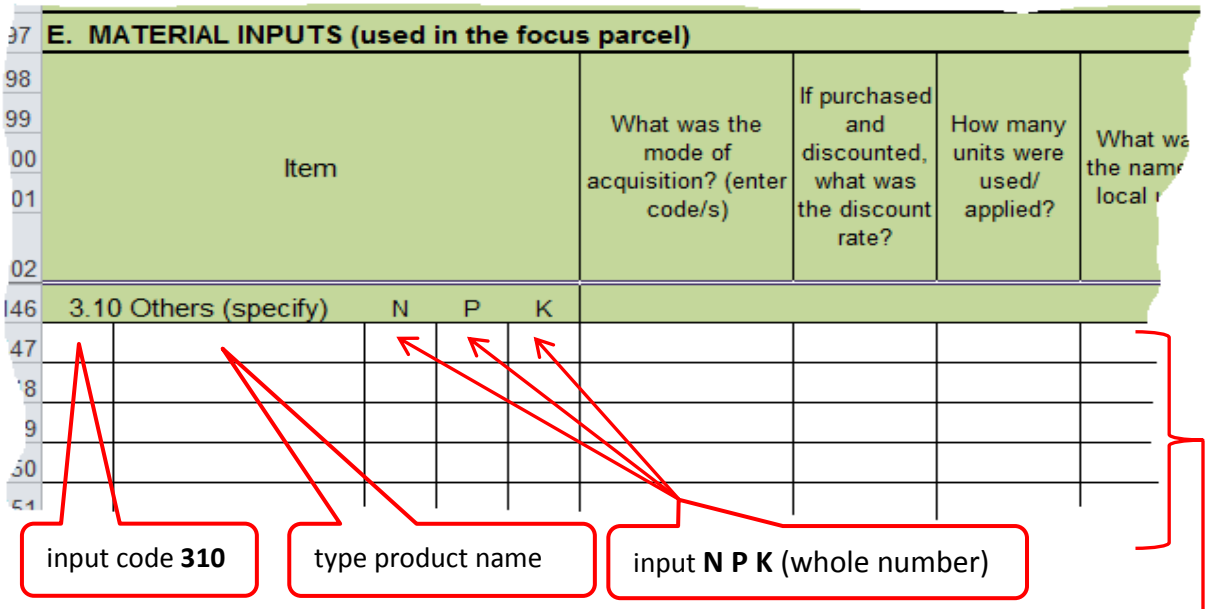
E. MATERIAL INPUTS (used in the focus parcel)

Item	What was the mode of acquisition? (enter code/s)	If purchased and discounted, what was the discount rate?	How many units were used/ applied?	What was the name of local unit?	If solid input, what was the weight of one local unit in **kilogram**?	If liquid input, what was the volume of one local unit in **liter**?	If purchased, what was the price of one local unit? (Pesos)	If not purchased, what was the prevailing price in the locality? (Pesos)	Solid/Granule Inputs	
									What was the total quantity in kilogram?	How much was the total value? (Pesos)
3. Inorganic Fertilizer										
3.01 Urea (45-0-0)	11		1.00	bag	50.00					
3.02 Urea (46-0-0)										

Listed in this column are the type and grade of inorganic fertilizers

Three (3) rows are allotted to accommodate different mode of acquisition

Illustration 13



E. MATERIAL INPUTS (used in the focus parcel)

Item	What was the mode of acquisition? (enter code/s)	If purchased and discounted, what was the discount rate?	How many units were used/ applied?	What wa the nam local
3.10 Others (specify) N P K				

input code **310**

type product name

input **N P K** (whole number)

Use different rows for inorganic fertilizers with different mode of acquisition

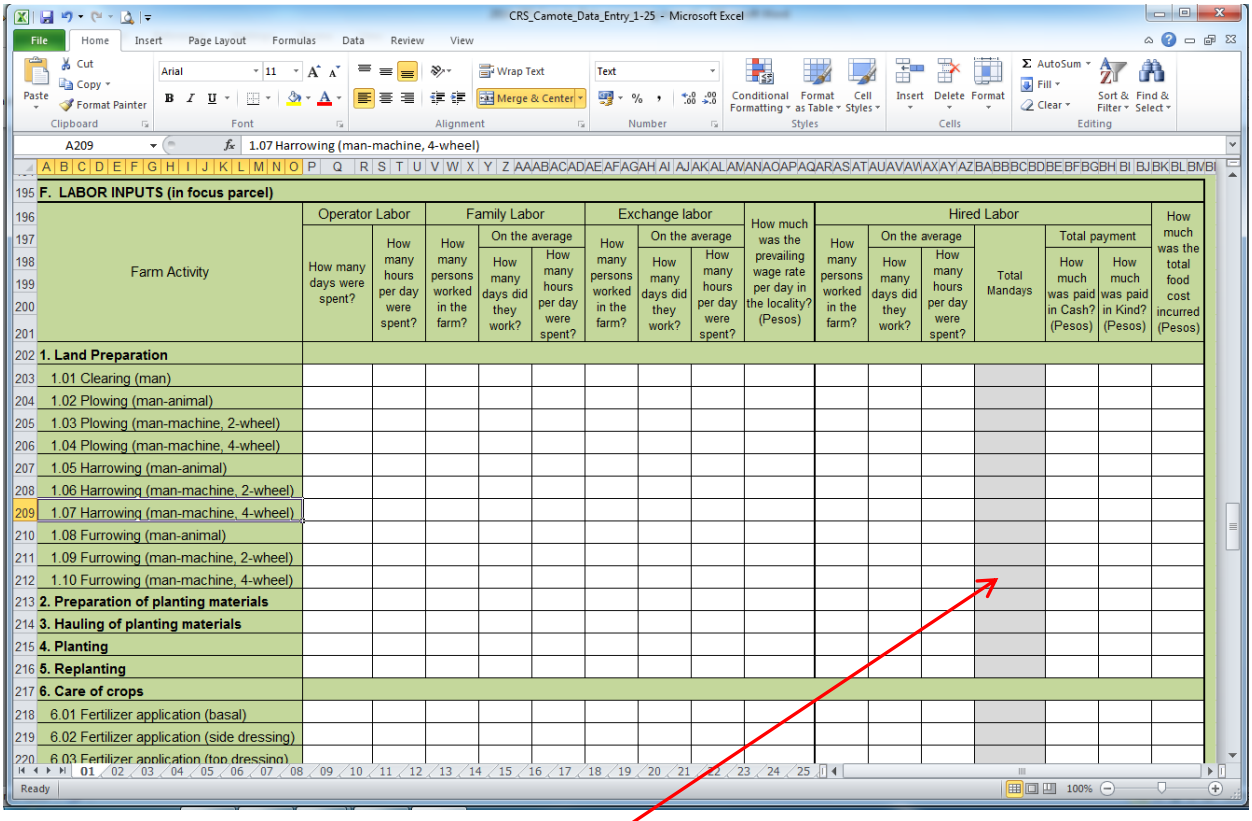
Follow the same instructions above for the items below:

- **Item 4** - soil ameliorants use code 400
- **Item 5.1** - Herbicides/Weedicides use code 510
- **Item 5.2** - Insecticides use code 520
- **Item 5.3** - Fungicides use code 530
- **Item 5.4** - Rodenticides use code 540
- **Item 5.5** - Organic Pesticides use code 550

Block F

Encoding shall be done in horizontal manner (one data item at a time).

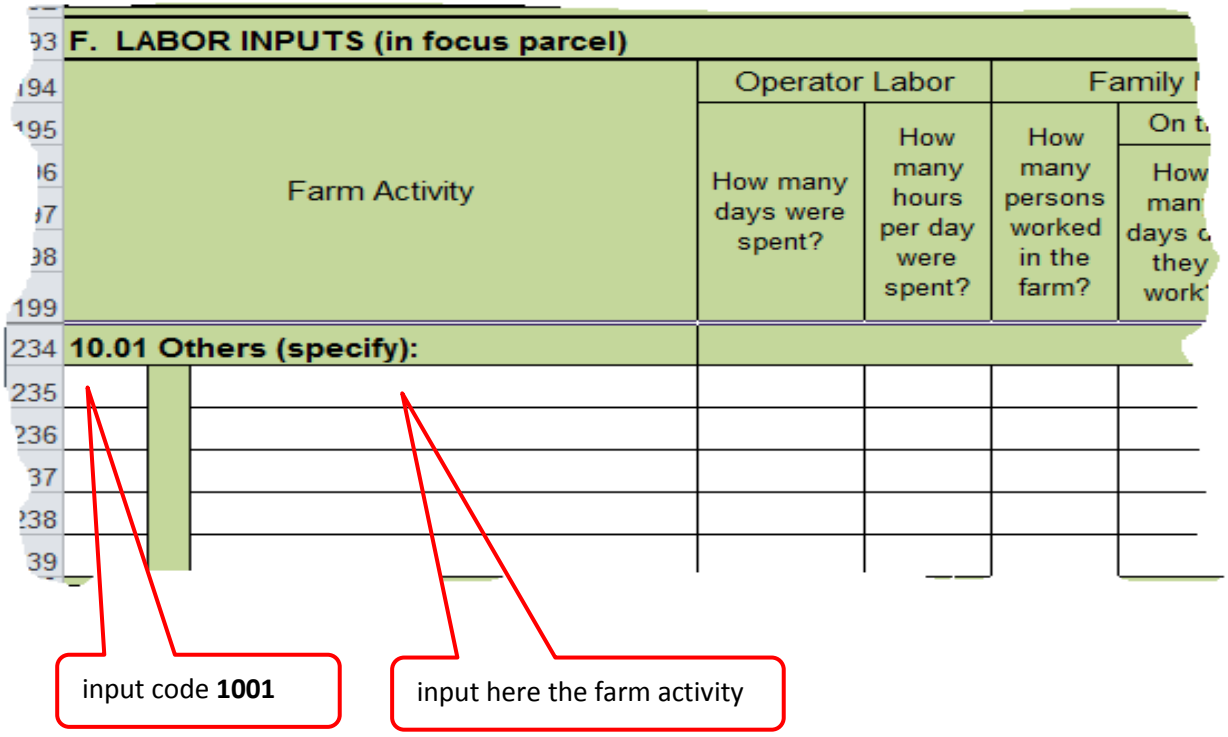
Illustration 14



Column for total mandays is colored gray. No need for data entry. Built-in formula computes the mandays automatically.

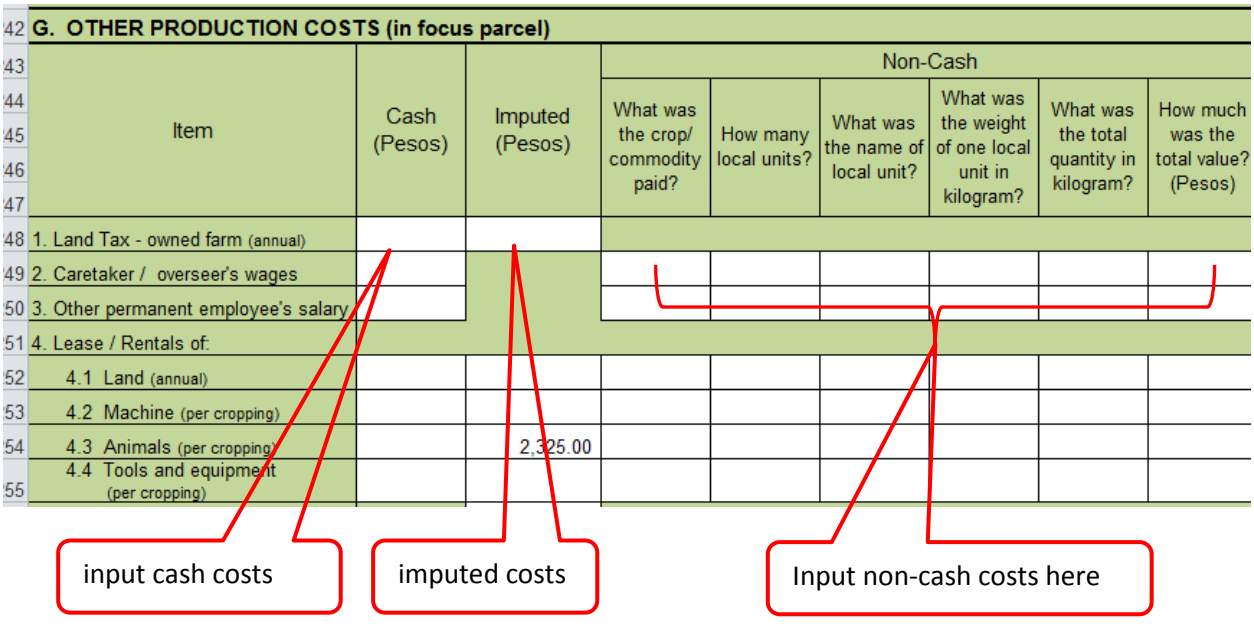
For other farm activities:

Illustration 15



Block G

Illustration 16



Block H

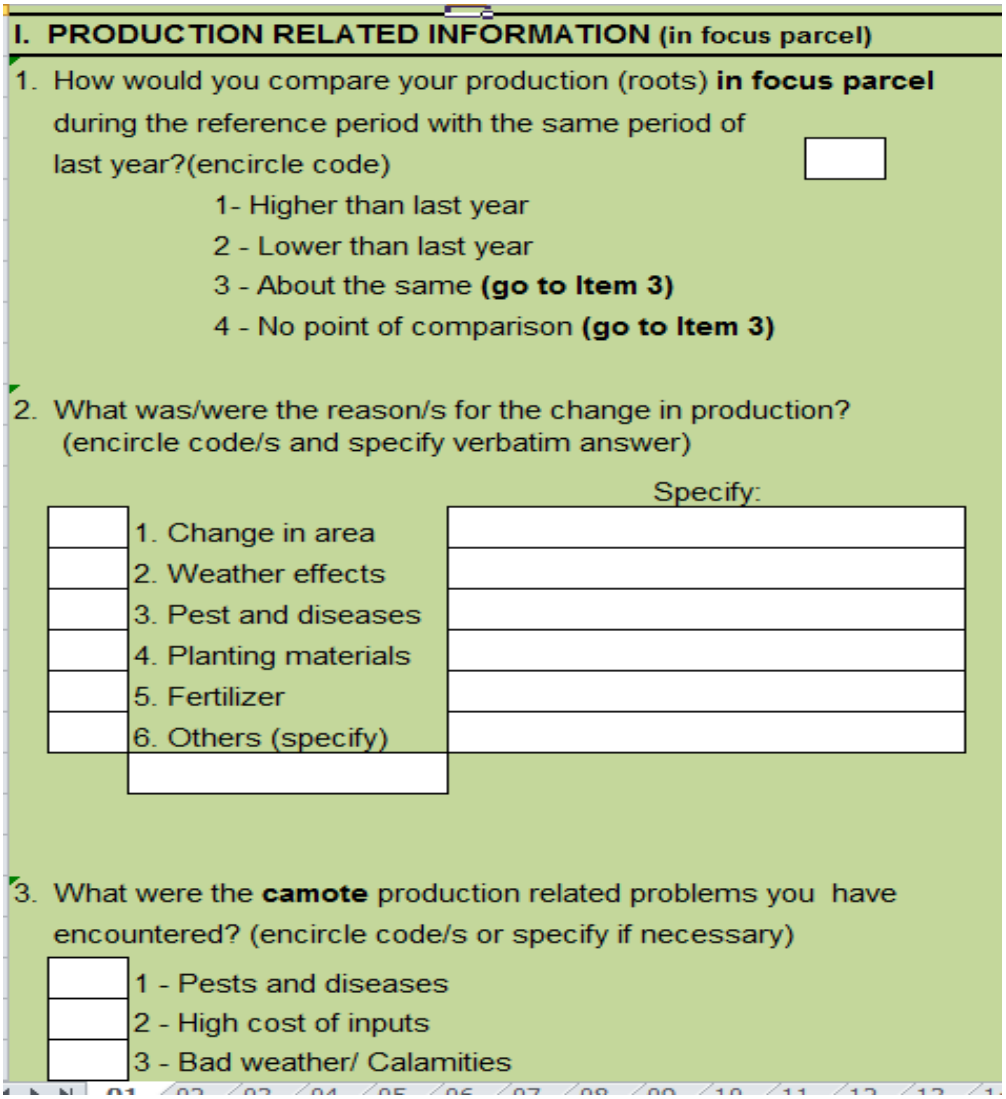
Illustration 17

H. PRODUCTION AND DISPOSITION (in focus parcel)		
Item	Camote Roots	Planting Materials
1. Production		
1.1 Quantity in local unit		
1.2 Name of local unit (LU)		
1.3 Weight of one LU in kilogram		
2. Disposition (quantity in local unit)		
2.01 Sold / To be sold to:		
2.011 Trader		
2.012 Co-Farmers / End user		
2.013 Processor for food		
2.014 Processor for feeds		
Price per local unit (required whether the produce was sold or not sold)		
2.02 Harvesters' share		
2.03 Other laborers' share		
2.04 Landowner's share		
:		
:		
2.13 Others (specify):		
Total Disposition	0.00	0.00

input here the other type of dispositions

Block I

Illustration 18



I. PRODUCTION RELATED INFORMATION (in focus parcel)

1. How would you compare your production (roots) **in focus parcel** during the reference period with the same period of last year?(encircle code) [ ]

1- Higher than last year
2 - Lower than last year
3 - About the same **(go to Item 3)**
4 - No point of comparison **(go to Item 3)**

2. What was/were the reason/s for the change in production? (encircle code/s and specify verbatim answer)

		Specify:
[ ]	1. Change in area	
[ ]	2. Weather effects	
[ ]	3. Pest and diseases	
[ ]	4. Planting materials	
[ ]	5. Fertilizer	
[ ]	6. Others (specify)	
	[ ]	

3. What were the **camote** production related problems you have encountered? (encircle code/s or specify if necessary)

[ ] 1 - Pests and diseases
[ ] 2 - High cost of inputs
[ ] 3 - Bad weather/ Calamities

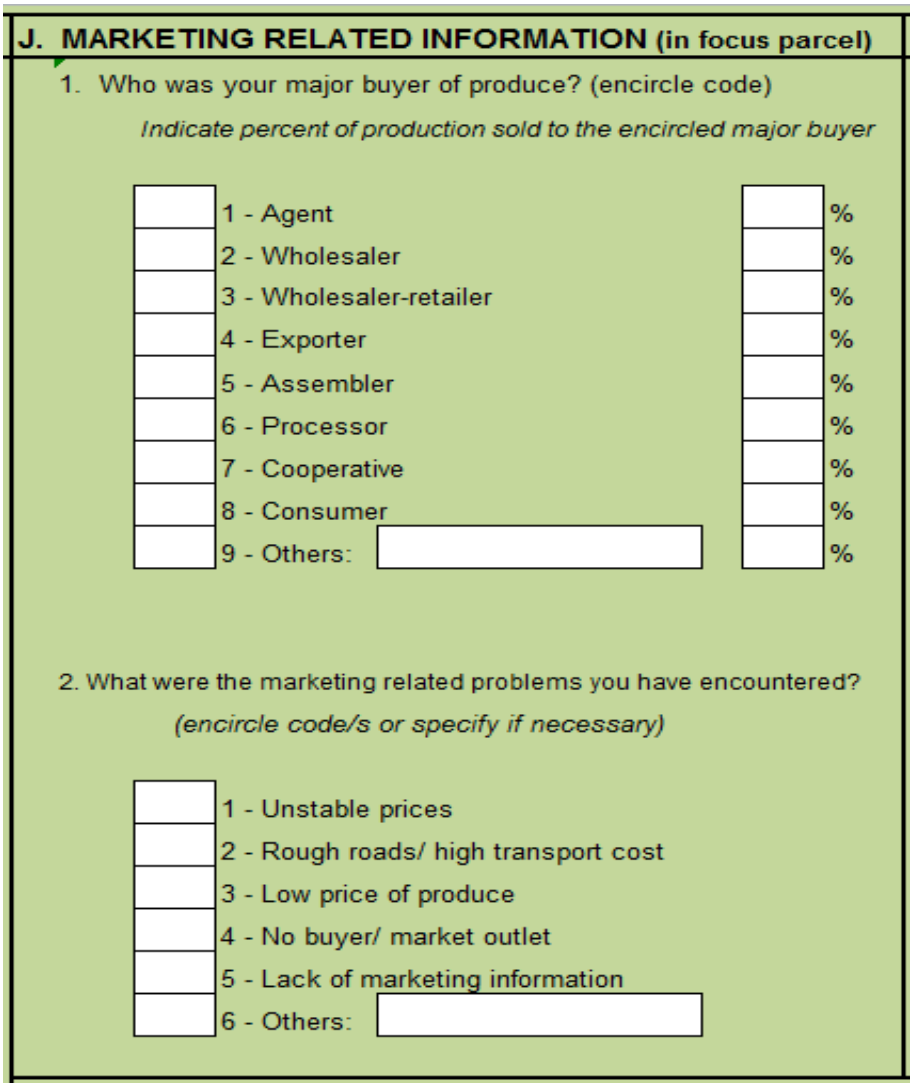
Item 1 - type the code for the comparison of camote production during the reference period with the same period of the previous year (code 1 to 4).

Item 2 - type the code on the reasons for the change in production (code 1 to 7). For code 7, specify reason. Type the verbatim answer in every reason encircled (in white colored cells).

Item 3 - type the code corresponds to the production related problems (code 1 to 8). For code 8, encode verbatim answer for other production related problems (in white colored cells).

Block J

Illustration 19



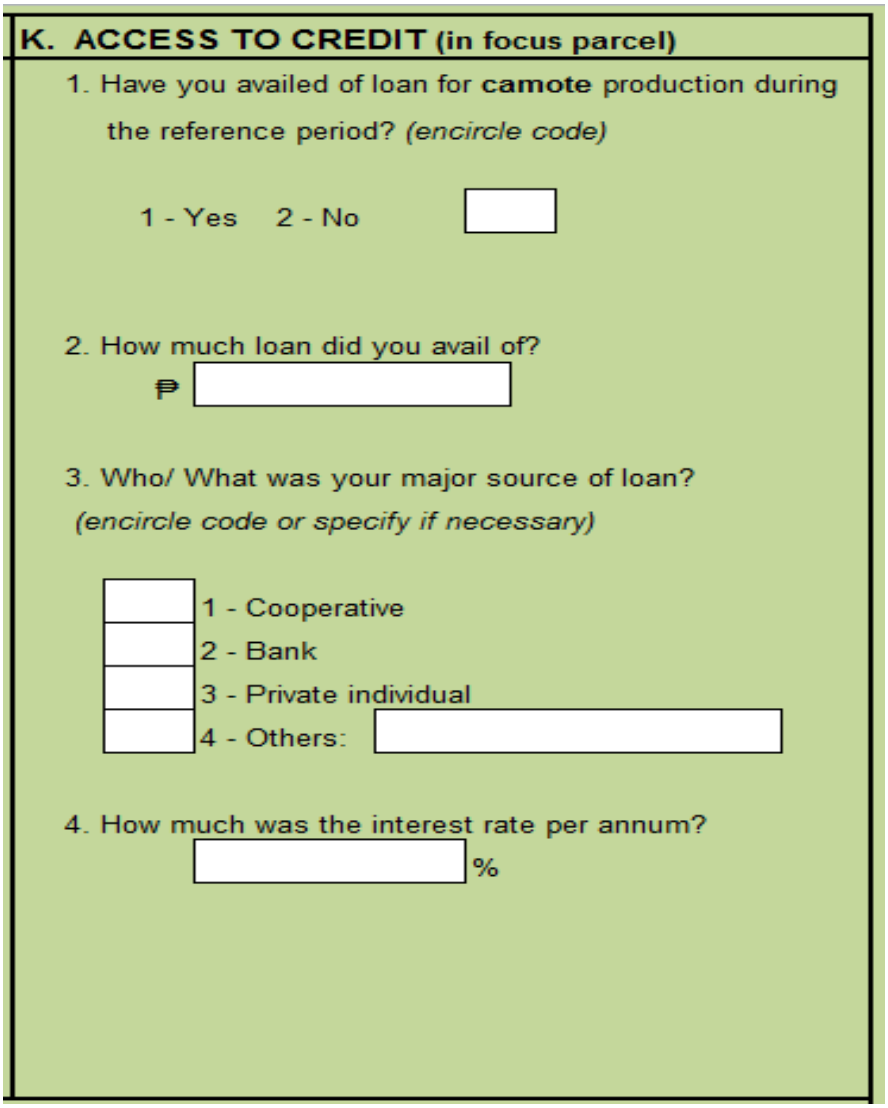
Item 1 - encode the code corresponding to the major buyer of produce and the percentage of the volume of production sold (in whole number).

- For code 9, encode the verbatim answer and percentage.
- Should there be more than one buyer, encode the data separately.

Item 2 - enter the code corresponding to the marketing related problems. (Code = 1 to 6). For code 6, encode verbatim answer.

Block K

Illustration 20



Item 1 - enter 1 or 2 only (this is the encircled number in the questionnaire).

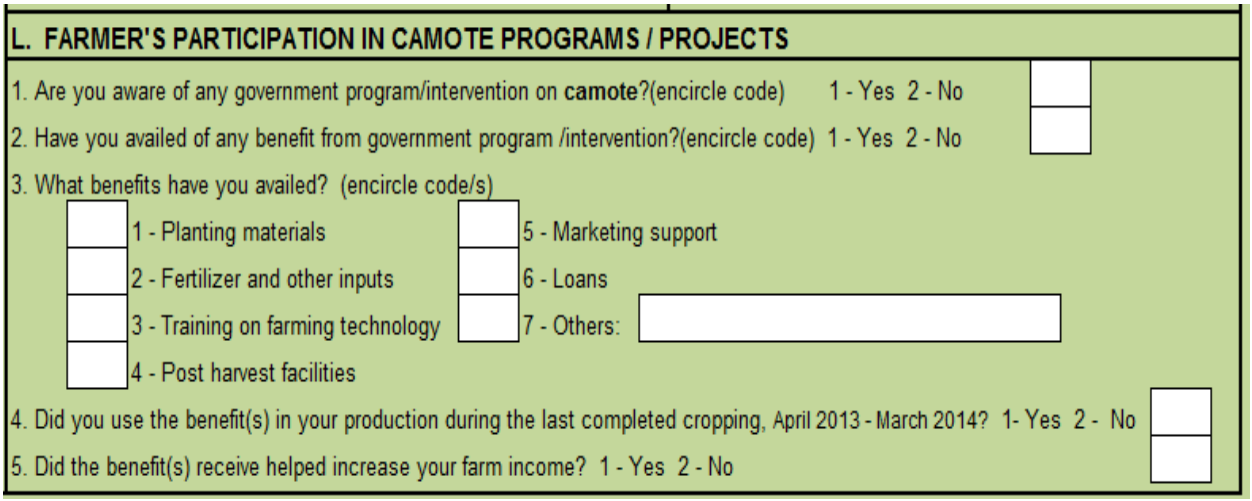
Items 2 – encode the amount of loan.

Item 3 - enter the code corresponds to the major source of loan (code 1 to 4). For code 4, encode the verbatim answer.

Items 4 – encode the interest rate per annum (in two decimal places).

Block L

Illustration 21


L. FARMER'S PARTICIPATION IN CAMOTE PROGRAMS / PROJECTS

1. Are you aware of any government program/intervention on **camote**?(encircle code) 1 - Yes 2 - No

2. Have you availed of any benefit from government program /intervention?(encircle code) 1 - Yes 2 - No

3. What benefits have you availed? (encircle code/s)

1 - Planting materials
2 - Fertilizer and other inputs
3 - Training on farming technology
4 - Post harvest facilities
5 - Marketing support
6 - Loans
7 - Others:

4. Did you use the benefit(s) in your production during the last completed cropping, April 2013 - March 2014? 1- Yes 2 - No

5. Did the benefit(s) receive helped increase your farm income? 1 - Yes 2 - No

Item 1 – enter code 1 or 2 only (this is the encircled number in the questionnaire).

Item 2 – enter code 1 or 2 only (this is the encircled number in the questionnaire).

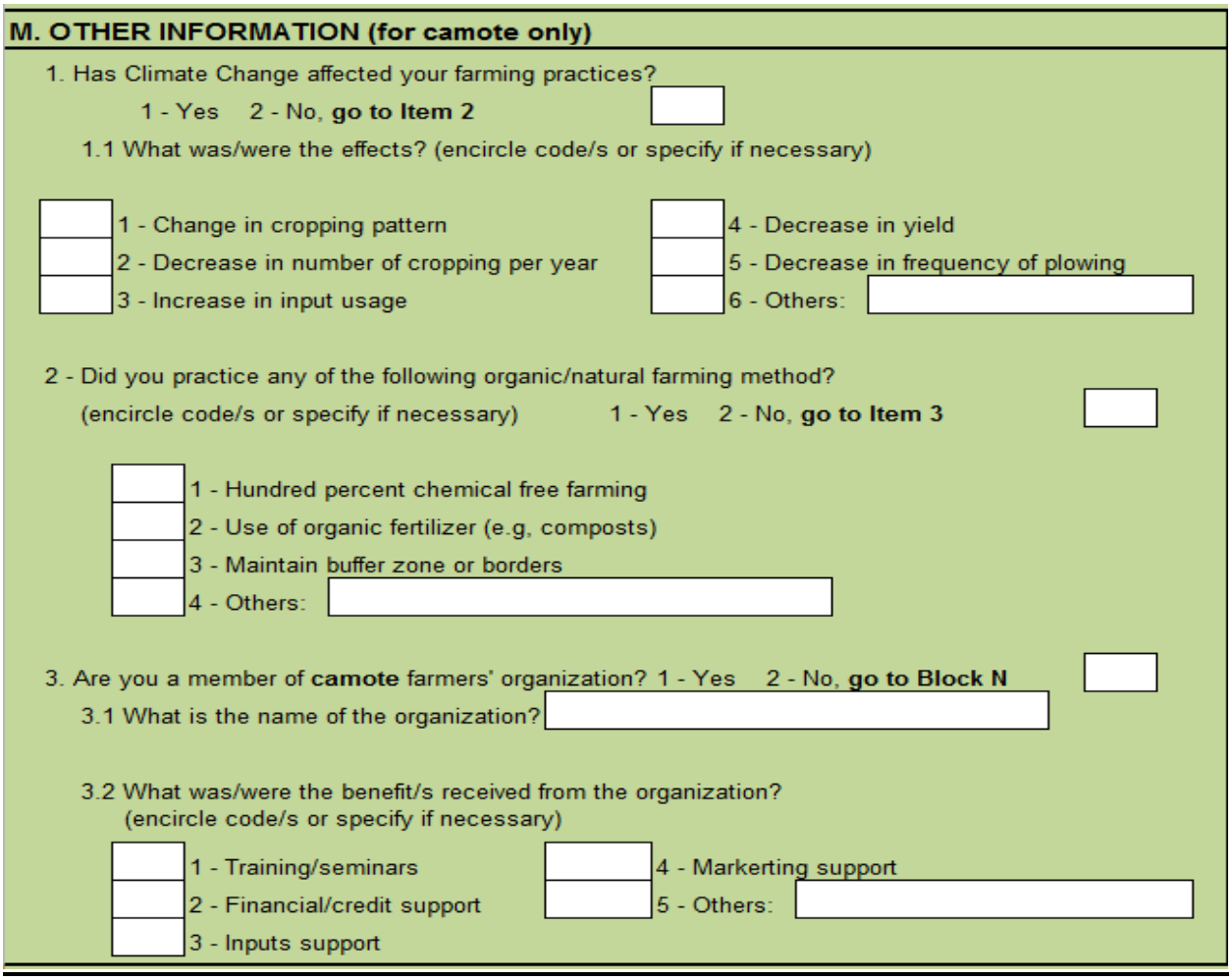
Item 3 - enter the code for the benefits availed (code 1 to 7). For code 7, encode the verbatim answer for other benefits.

Item 4 – enter code 1 or 2 only (this is the encircled number in the questionnaire).

Item 5 – enter code 1 or 2 only (this is the encircled number in the questionnaire).

Block M

Illustration 22



Item 1 - enter 1 or 2 only (this is the encircled number in the questionnaire).
Item 1.1 - enter the code corresponds to the effects of climate change (code 1 to 5). For code 5, encode verbatim answer.

Item 2 – enter 1 or 2 only (this is the encircled number in the questionnaire) and the code corresponds to the organic/natural farming methods. For code 4, encode the verbatim answer.

Item 3 – enter 1 or 2 only (this is the encircled number in the questionnaire).
Item 3.1 - enter the name of farmers' organization
Item 3.2 - enter the code corresponds to the benefits received from the farmers' organization. For code 5, encode verbatim answer.

Block N

Illustration 23

N. PLANS AND RECOMMENDATIONS

1. What is your plan regarding **camote** farm operation?

(encircle code or specify if necessary)

1 - Maintain current operation

2 - Expand

3 - Others:

2. What are your recommendations in order to improve your **camote** production?

(encircle code/s or specify if necessary)

1 - Price support

2 - Infrastructure facilities

3 - Regulate price of farm inputs

4 - Financial support

5 - Soil testing/ analysis

6 - Land Reform Program

7 - Environmental concern (e.g, waste disposal, erosion)

8 - New/ modern farming technologies

9 - Others:

- **Item 1** - enter the code corresponds to the plan regarding camote farm operations. For code 3, encode verbatim answer.

- **Item 2** - enter the code corresponds to the recommendations to improve camote production. For code 10, encode verbatim answer.

7. Instructions on Data Review and Data Cleaning

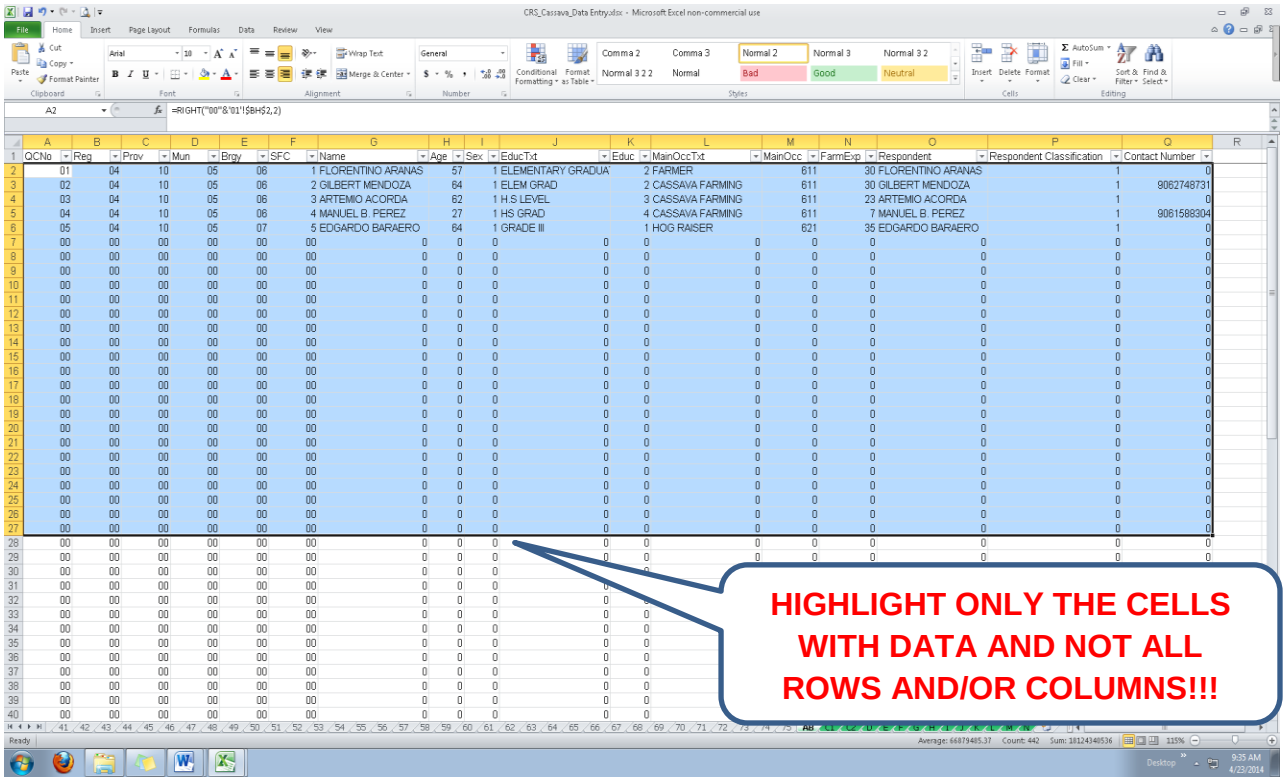
This activity is necessary to ensure the quality of data. The errors that were overlooked during the manual editing are captured by MS Excel using formulas and conditional formats. This is designed for the user of this processing system to easily observe the errors. Hence, these errors can be addressed immediately.

A. Accessing the flat file (household level data):

1. Open MS Excel Files CRS_Camote_Flat_File and CRS_Camote_FlatFile_with_Tables
2. Copy the data from **CRS_Camote_Flat_File (**by block) and paste in the **CRS_Camote_FlatFile_with_Tables.** This should be done per Block (worksheet)

Illustration 24

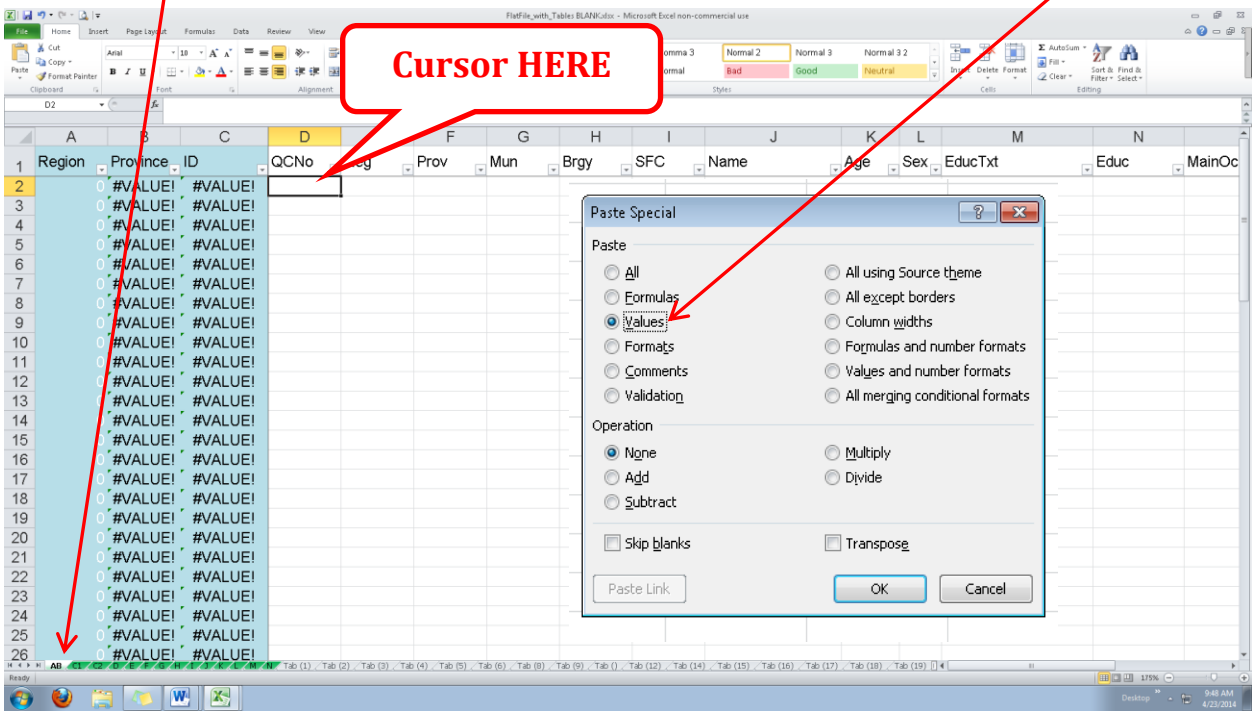
From **CRS_Camote_Flat_File,** click **sheet "AB"** and **highlight the data to be copied.**



Press **Ctrl C** or right click the mouse, then click **copy**

Illustration 25

Go to sheet **AB** of the **CRS_Camote_FlatFile_with_Tables,** then press **Alt E, S**, click **values**



Do the copying one block (sheet) at a time (block AB to block N).

After copying the household level data from CRS_Camote_Flat_File to CRS_Camote_FlatFile_with_Tables, begin the data review.

Components of the Data Review Process

1. **Completeness check** – this activity will ensure that the number of encoded questionnaires are complete. The number of records in the data files should match the number of questionnaires. If not, check the encoded **QC No**. This will determine the missing questionnaire or the questionnaire that was not encoded.

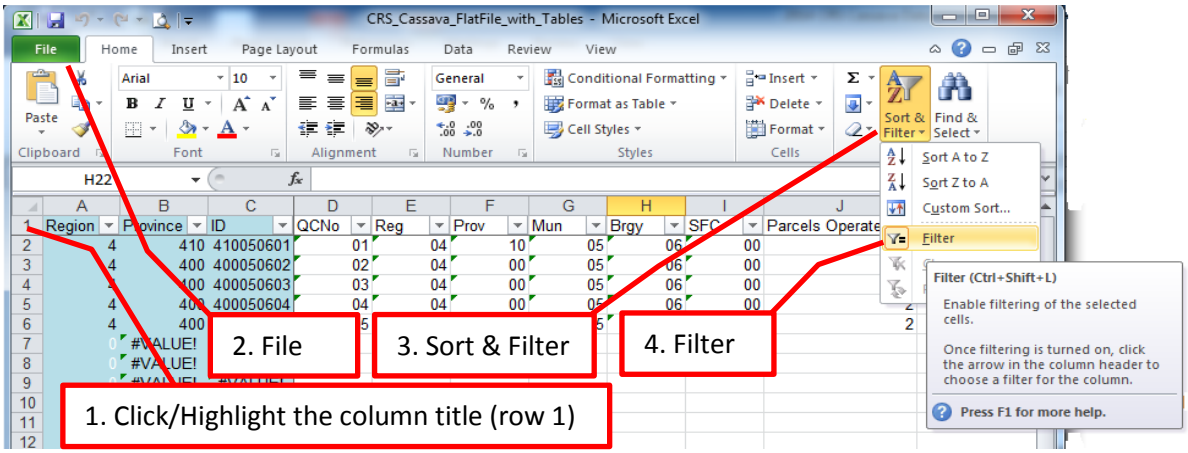
2. **Consistency check** – this activity will ensure that the encoded data items are consistent with other data items.

3. **Accuracy check** – this activity will ensure that the results are acceptable.

7.1 COMPLETENESS CHECK

- There should be 75 records for each data item, except for item that requires multiple responses.
- To facilitate fast completeness check, use **data filter command.**

Illustration 26

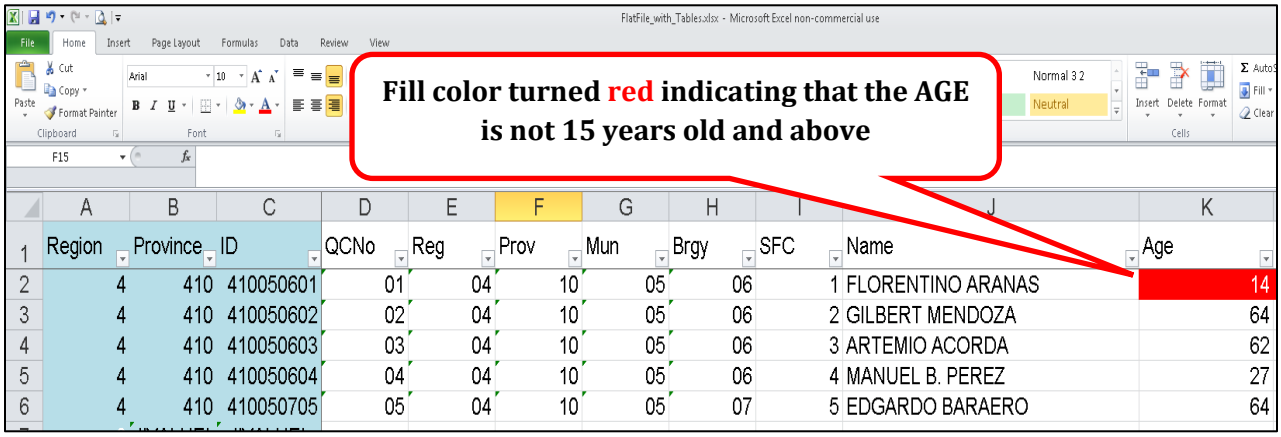


7.2 CONSISTENCY CHECK

BLOCK B

1. **Age** - farmer / operator should be 15 years and above.

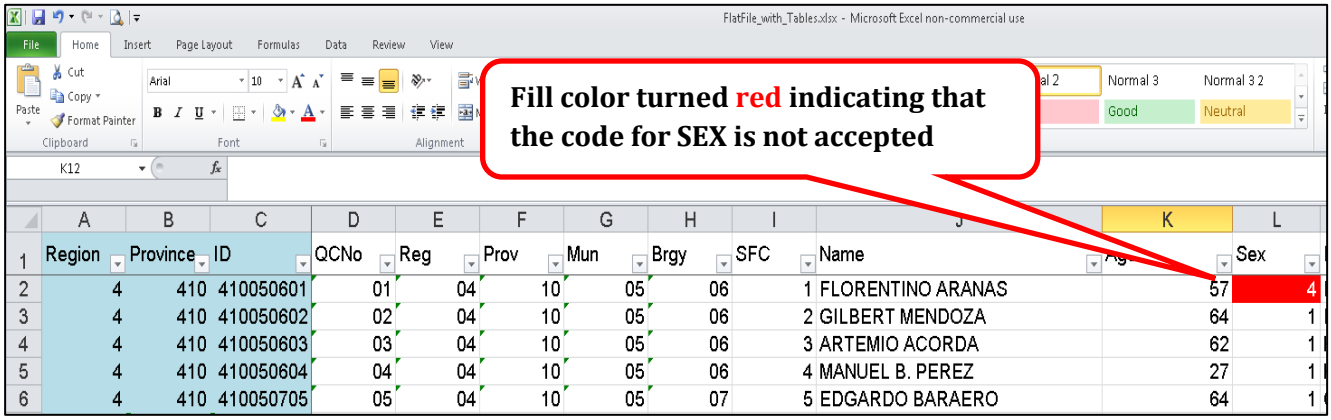
Illustration 27



	A	B	C	D	E	F	G	H	I	J	K
1	Region	Province	ID	QCNo	Reg	Prov	Mun	Brgy	SFC	Name	Age
2	4	410	410050601	01	04	10	05	06	1	FLORENTINO ARANAS	14
3	4	410	410050602	02	04	10	05	06	2	GILBERT MENDOZA	64
4	4	410	410050603	03	04	10	05	06	3	ARTEMIO ACORDA	62
5	4	410	410050604	04	04	10	05	06	4	MANUEL B. PEREZ	27
6	4	410	410050705	05	04	10	05	07	5	EDGARDO BARAERO	64

2. **Sex -** acceptable code is either 1 (male) or 2 (female) only.

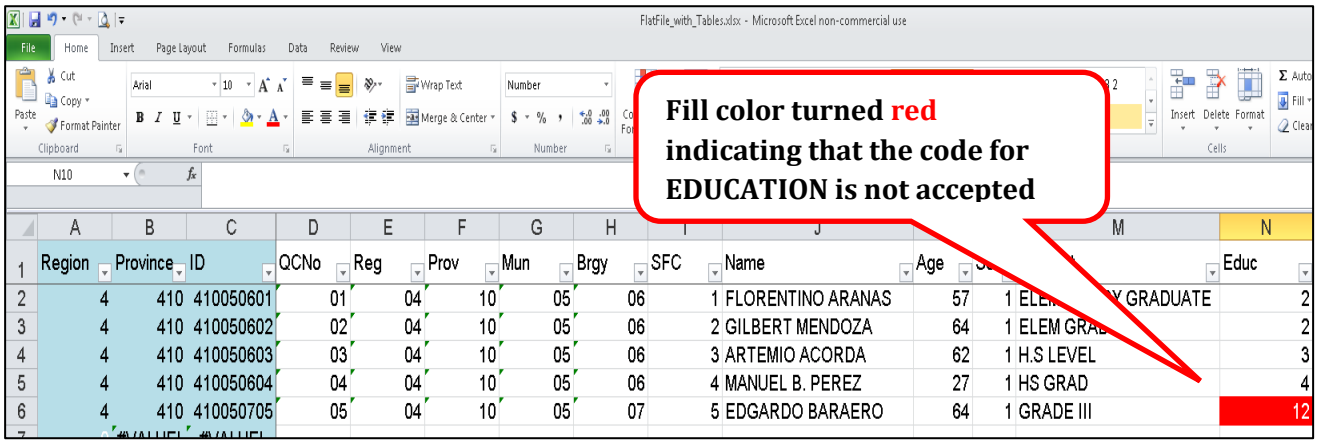
Illustration 28



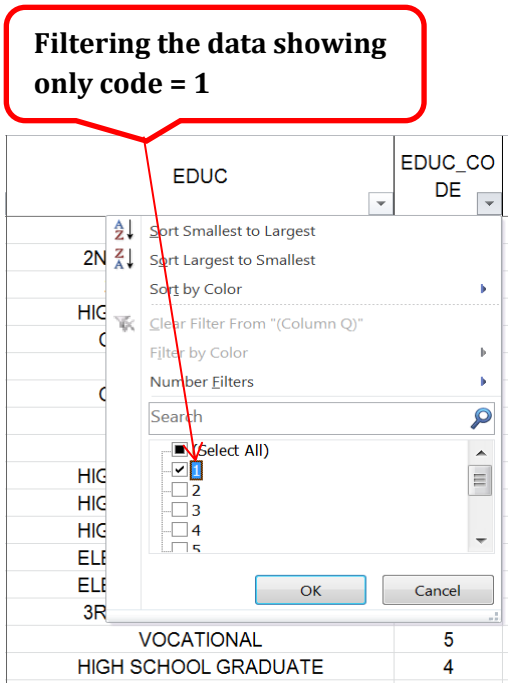
	A	B	C	D	E	F	G	H	I	J	K	L
1	Region	Province	ID	QCNo	Reg	Prov	Mun	Brgy	SFC	Name		Sex
2	4	410	410050601	01	04	10	05	06	1	FLORENTINO ARANAS	57	4
3	4	410	410050602	02	04	10	05	06	2	GILBERT MENDOZA	64	1
4	4	410	410050603	03	04	10	05	06	3	ARTEMIO ACORDA	62	1
5	4	410	410050604	04	04	10	05	06	4	MANUEL B. PEREZ	27	1
6	4	410	410050705	05	04	10	05	07	5	EDGARDO BARAERO	64	1

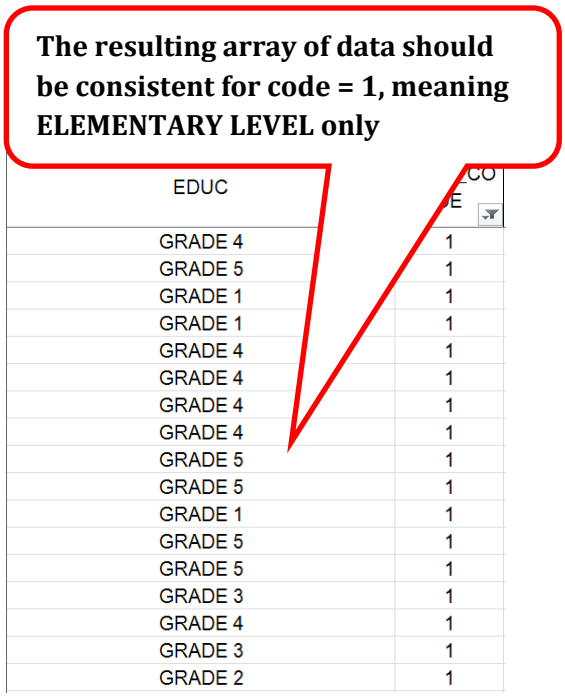
3. **Level of education completed -** acceptable code for level of education completed is any number from 1 to 10 only. Verbatim answer should correspond to the code.

Illustration 29



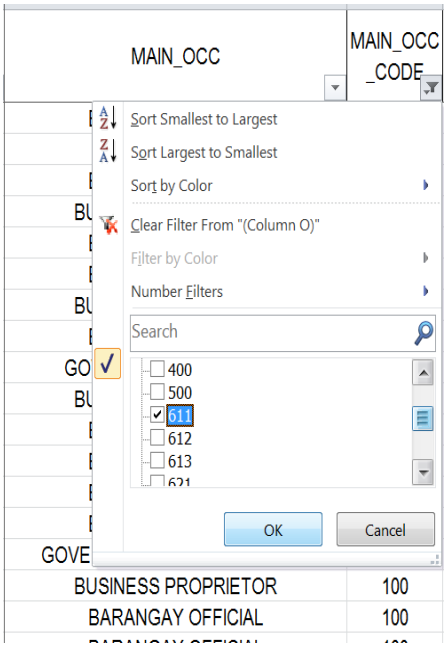
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Region	Province	ID	QCNo	Reg	Prov	Mun	Brgy	SFC	Name	Age			Educ
2	4	410	410050601	01	04	10	05	06	1	FLORENTINO ARANAS	57	1	ELE...	2
3	4	410	410050602	02	04	10	05	06	2	GILBERT MENDOZA	64	1	ELEM GRA...	2
4	4	410	410050603	03	04	10	05	06	3	ARTEMIO ACORDA	62	1	H.S LEVEL	3
5	4	410	410050604	04	04	10	05	06	4	MANUEL B. PEREZ	27	1	HS GRAD	4
6	4	410	410050705	05	04	10	05	07	5	EDGARDO BARAERO	64	1	GRADE III	12

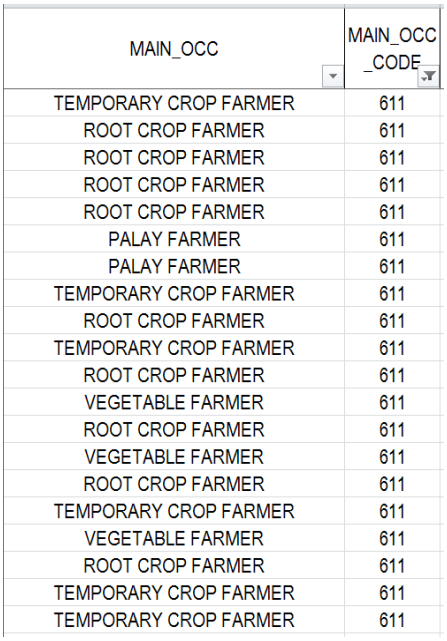




4. **Main Occupation -** verbatim answer should be consistent with the code.

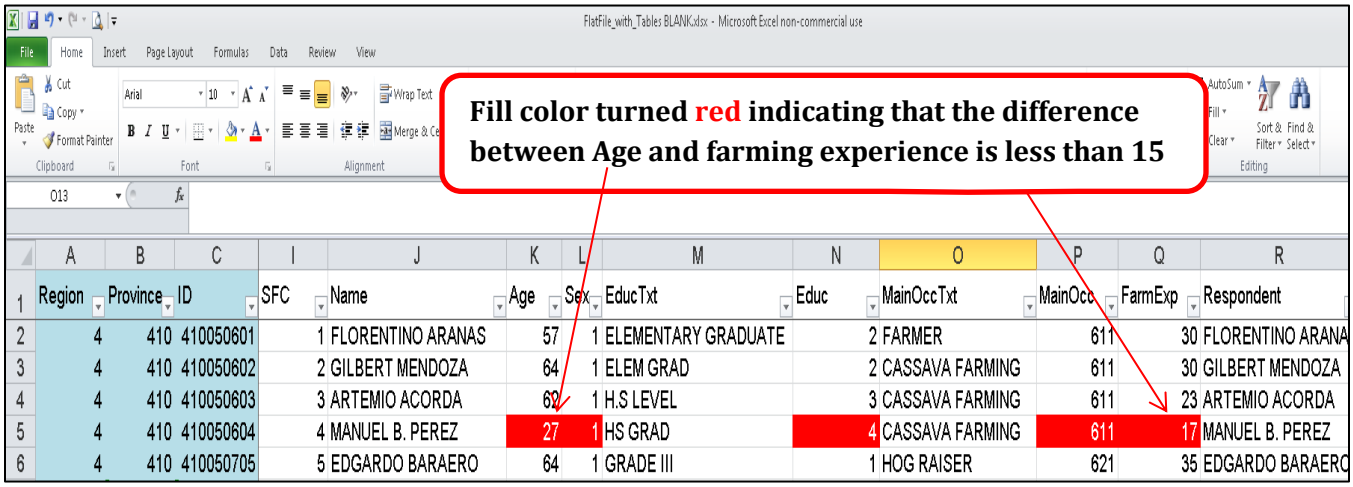
Illustration 30





5. ***Number of years engaged in farming as operator*** when subtracted to ***Age***, the difference must be 15 and above.

Illustration 31

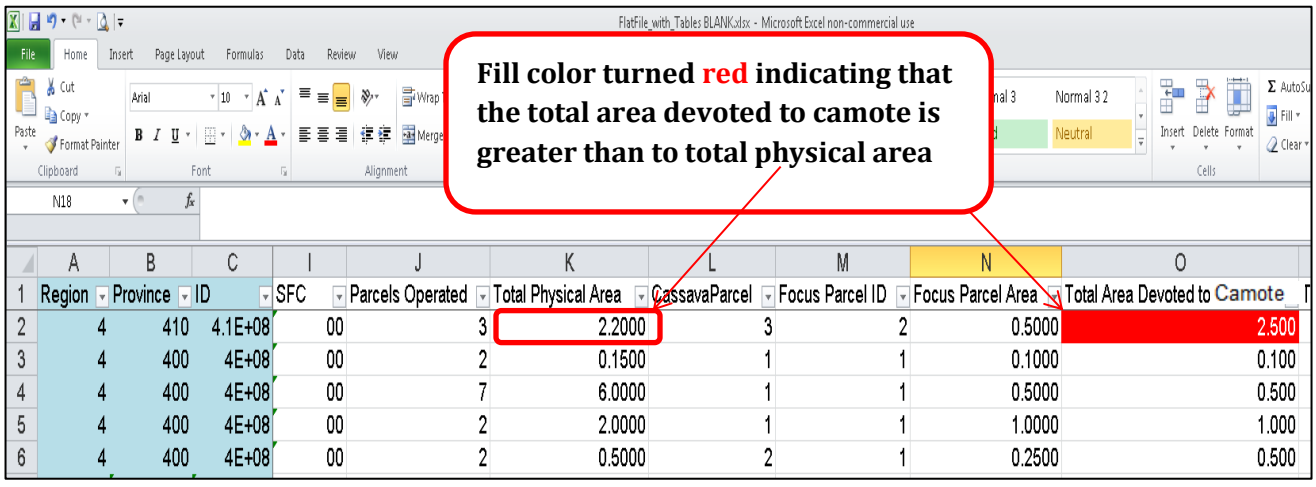


	A	B	C	I	J	K	L	M	N	O	P	Q	R
1	Region	Province	ID	SFC	Name	Age	Sex	EducTxt	Educ	MainOccTxt	MainOcc	FarmExp	Respondent
2	4	410	410050601	1	FLORENTINO ARANAS	57	1	ELEMENTARY GRADUATE	2	FARMER	611	30	FLORENTINO ARANA
3	4	410	410050602	2	GILBERT MENDOZA	64	1	ELEM GRAD	2	CASSAVA FARMING	611	30	GILBERT MENDOZA
4	4	410	410050603	3	ARTEMIO ACORDA	62	1	H.S LEVEL	3	CASSAVA FARMING	611	23	ARTEMIO ACORDA
5	4	410	410050604	4	MANUEL B. PEREZ	27	1	HS GRAD	4	CASSAVA FARMING	611	17	MANUEL B. PEREZ
6	4	410	410050705	5	EDGARDO BARAERO	64	1	GRADE III	1	HOG RAISER	621	35	EDGARDO BARAERO

BLOCK C

1. Total Physical Area should be greater than or equal to the sum of all parcel area.

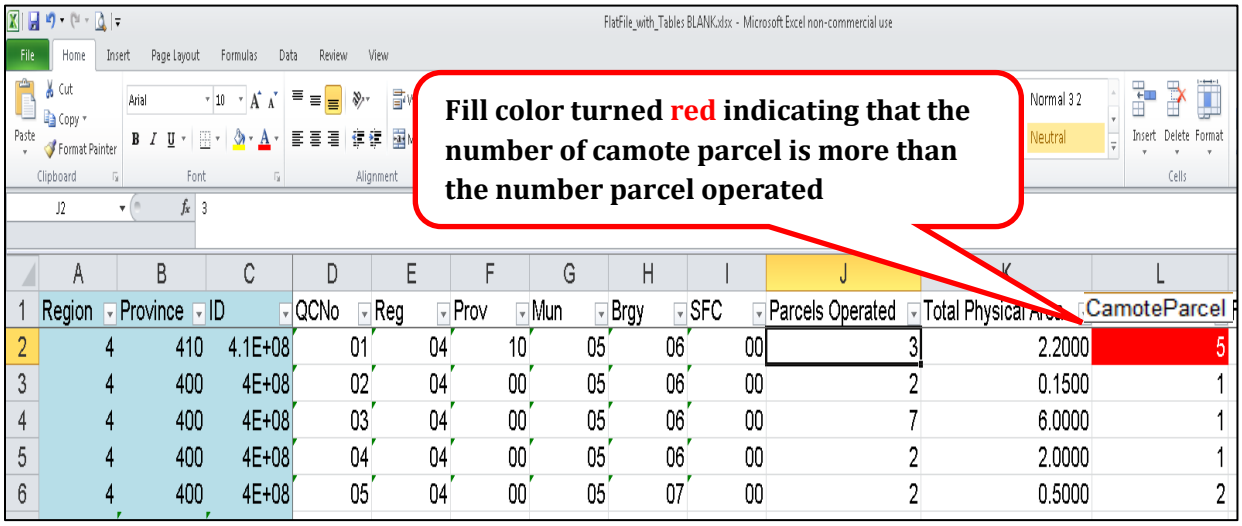
Illustration 32



	A	B	C	I	J	K	L	M	N	O
1	Region	Province	ID	SFC	Parcels Operated	Total Physical Area	CassavaParcel	Focus Parcel ID	Focus Parcel Area	Total Area Devoted to Camote
2	4	410	4.1E+08	00	3	2.2000	3	2	0.5000	2.500
3	4	400	4E+08	00	2	0.1500	1	1	0.1000	0.100
4	4	400	4E+08	00	7	6.0000	1	1	0.5000	0.500
5	4	400	4E+08	00	2	2.0000	1	1	1.0000	1.000
6	4	400	4E+08	00	2	0.5000	2	1	0.2500	0.500

2. Total number of parcels planted to camote should be equal or less than the total number of farm parcel.

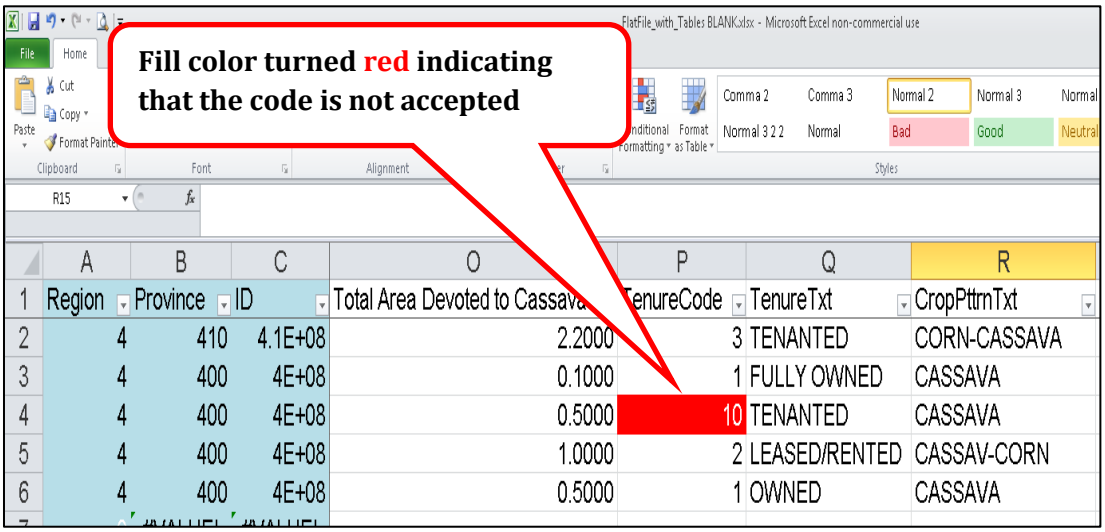
Illustration 33



	A	B	C	D	E	F	G	H	I	J	K	L
1	Region	Province	ID	QCNo	Reg	Prov	Mun	Brgy	SFC	Parcels Operated	Total Physical Area	CamoteParcel
2	4	410	4.1E+08	01	04	10	05	06	00	3	2.2000	5
3	4	400	4E+08	02	04	00	05	06	00	2	0.1500	1
4	4	400	4E+08	03	04	00	05	06	00	7	6.0000	1
5	4	400	4E+08	04	04	00	05	06	00	2	2.0000	1
6	4	400	4E+08	05	04	00	05	07	00	2	0.5000	2

3. For **Tenure status,** acceptable codes are 1 to 8 only. Verbatim answer should consistent with the code.

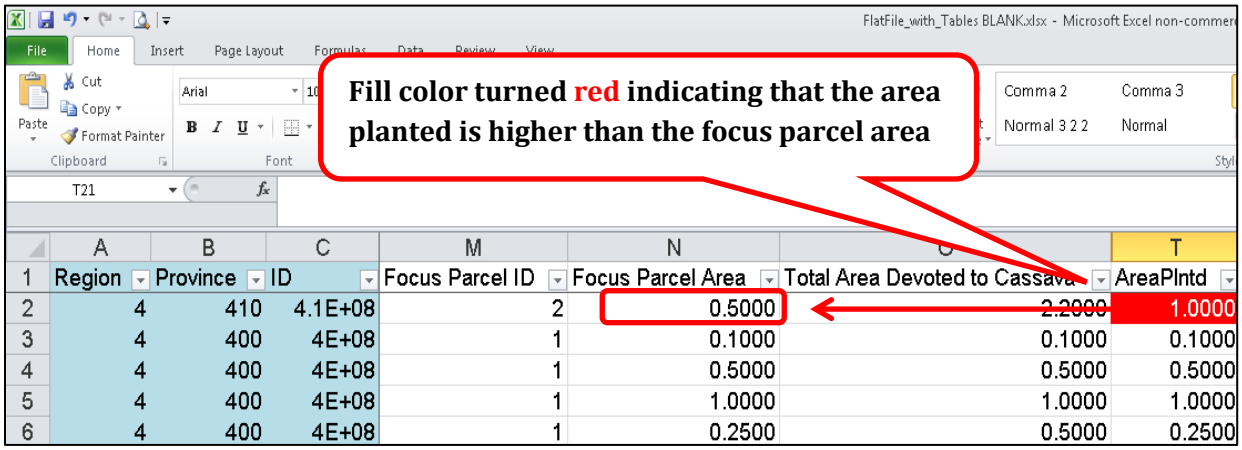
Illustration 34



	A	B	C	O	P	Q	R
1	Region	Province	ID	Total Area Devoted to Cassava	TenureCode	TenureTxt	CropPttrnTxt
2	4	410	4.1E+08	2.2000	3	TENANTED	CORN-CASSAVA
3	4	400	4E+08	0.1000	1	FULLY OWNED	CASSAVA
4	4	400	4E+08	0.5000	10	TENANTED	CASSAVA
5	4	400	4E+08	1.0000	2	LEASED/RENTED	CASSAV-CORN
6	4	400	4E+08	0.5000	1	OWNED	CASSAVA

4. **Area planted of the focus parcel** should be equal or less that the physical area of the focus parcel

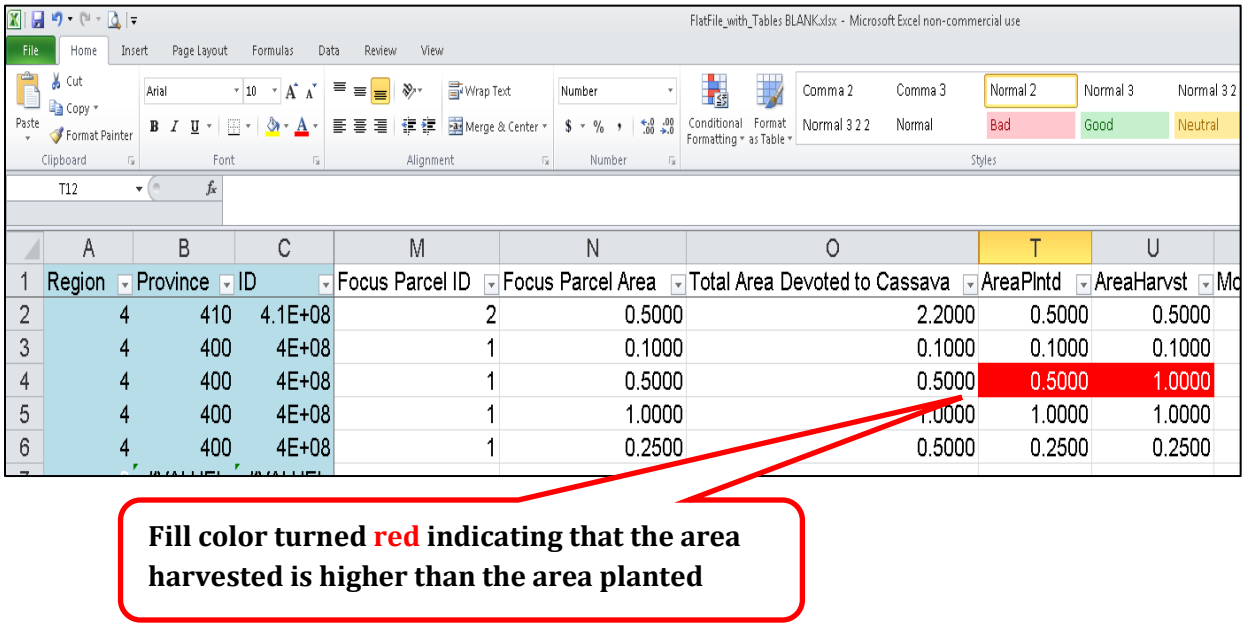
Illustration 35



	A	B	C	M	N	O	T
1	Region	Province	ID	Focus Parcel ID	Focus Parcel Area	Total Area Devoted to Cassava	AreaPlntd
2	4	410	4.1E+08	2	0.5000	2.2000	1.0000
3	4	400	4E+08	1	0.1000	0.1000	0.1000
4	4	400	4E+08	1	0.5000	0.5000	0.5000
5	4	400	4E+08	1	1.0000	1.0000	1.0000
6	4	400	4E+08	1	0.2500	0.5000	0.2500

5. **Area harvested of the focus parcel** should be equal or less than area planted.

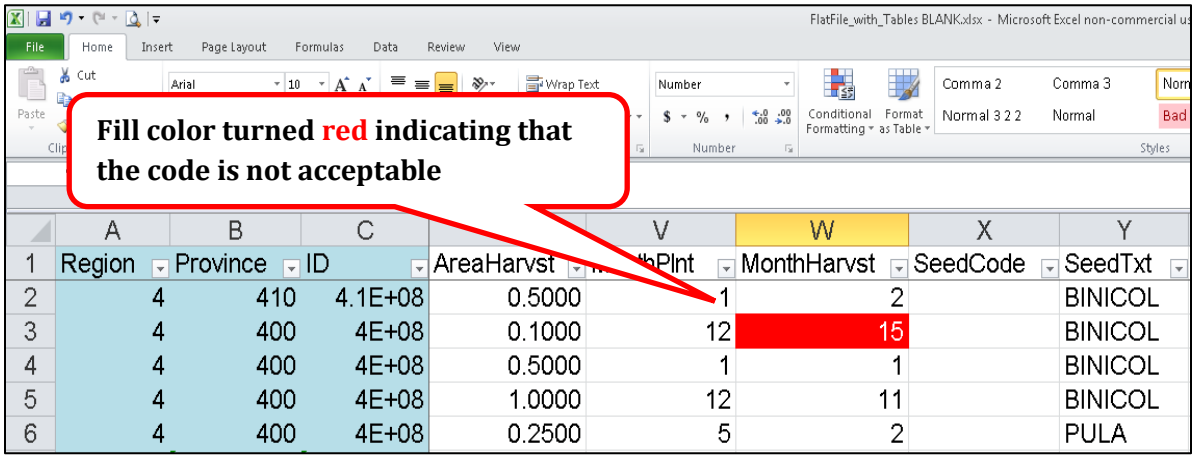
Illustration 36



	A	B	C	M	N	O	T	U
1	Region	Province	ID	Focus Parcel ID	Focus Parcel Area	Total Area Devoted to Cassava	AreaPlntd	AreaHarvst
2	4	410	4.1E+08	2	0.5000	2.2000	0.5000	0.5000
3	4	400	4E+08	1	0.1000	0.1000	0.1000	0.1000
4	4	400	4E+08	1	0.5000	0.5000	0.5000	1.0000
5	4	400	4E+08	1	1.0000	1.0000	1.0000	1.0000
6	4	400	4E+08	1	0.2500	0.5000	0.2500	0.2500

6. **Month of planting and harvesting -** acceptable codes are 1 to 12 only.

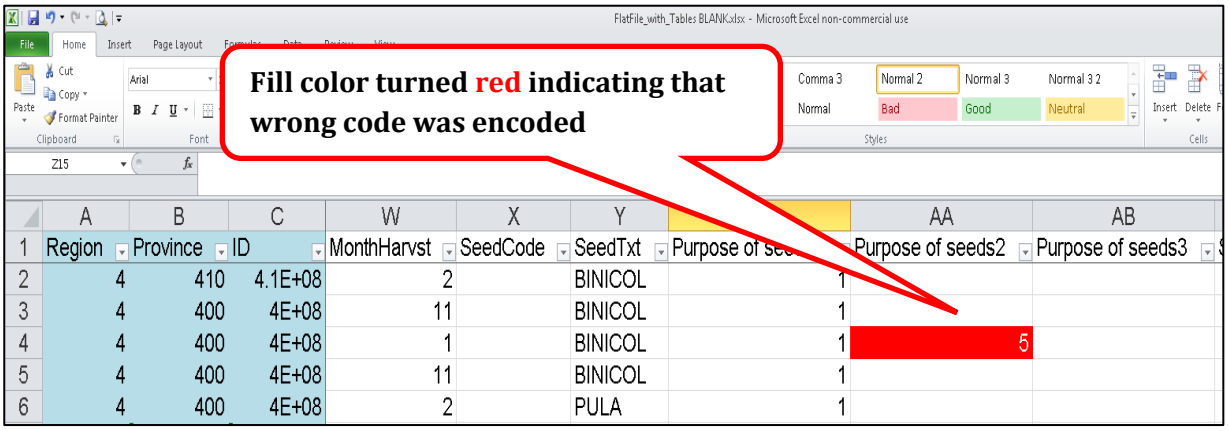
Illustration 37



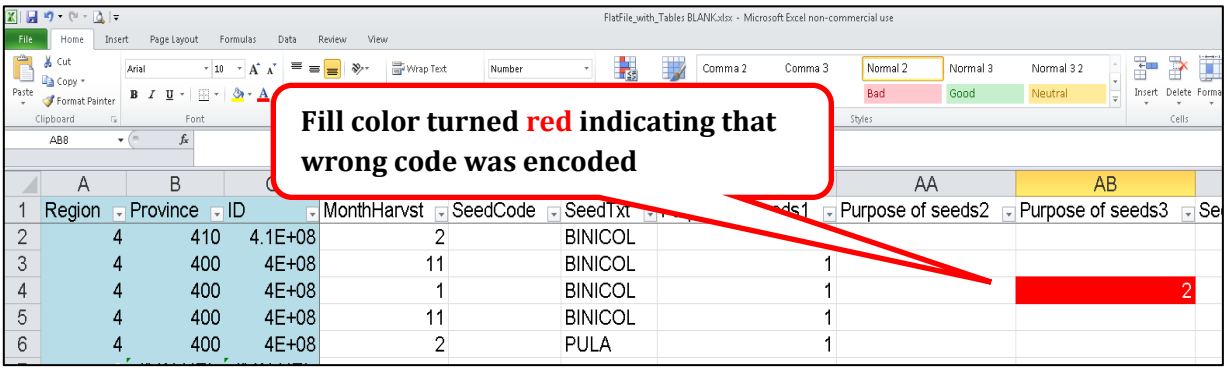
	A	B	C	V	W	X	Y
1	Region	Province	ID	AreaHarvst	MonthHarvst	SeedCode	SeedTxt
2	4	410	4.1E+08	0.5000	2		BINICOL
3	4	400	4E+08	0.1000	15		BINICOL
4	4	400	4E+08	0.5000	1		BINICOL
5	4	400	4E+08	1.0000	11		BINICOL
6	4	400	4E+08	0.2500	2		PULA

7. **Use/s of the variety planted -** acceptable codes are 1 to 3 only.

Illustration 38



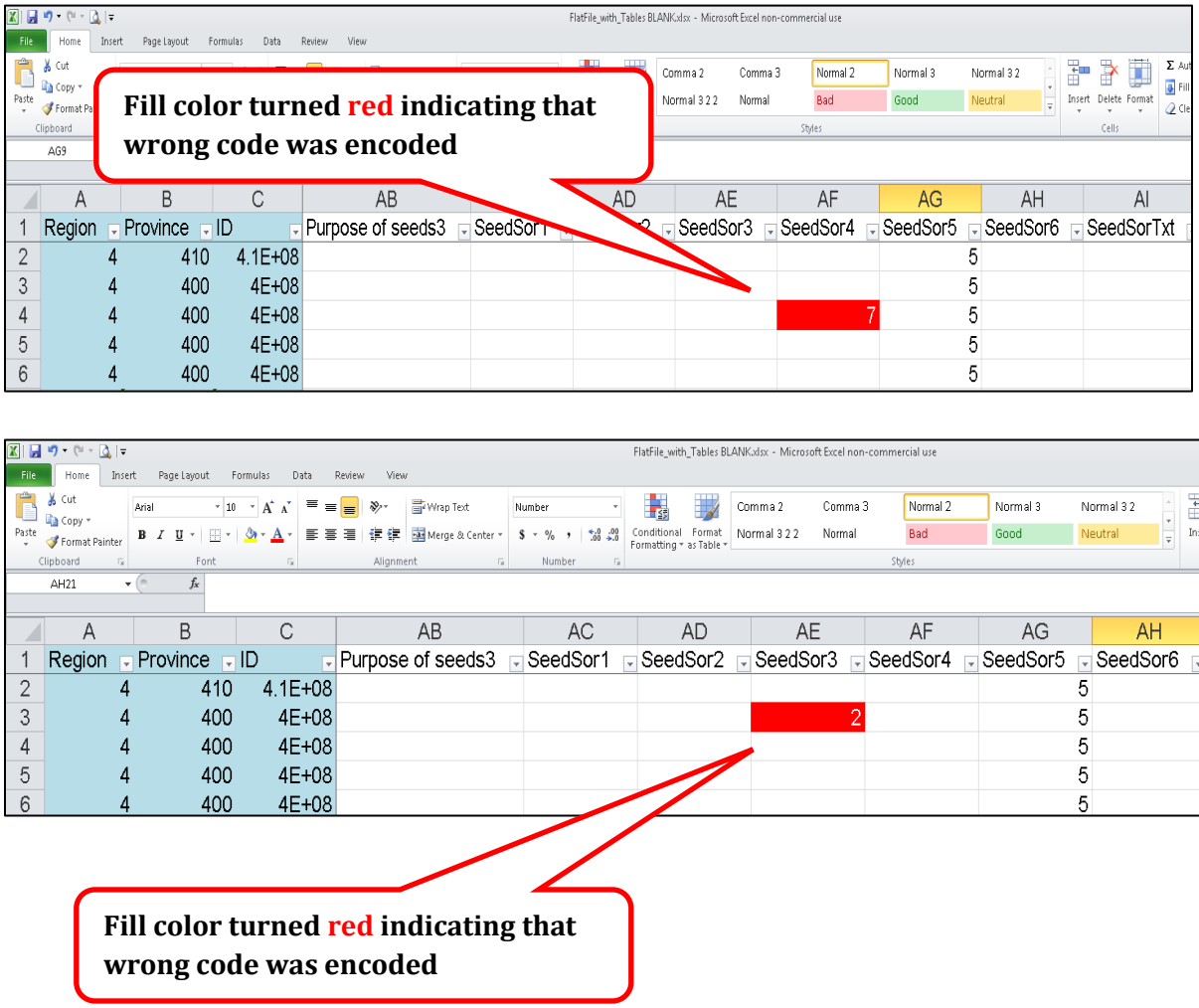
	A	B	C	W	X	Y	AA	AB
1	Region	Province	ID	MonthHarvst	SeedCode	SeedTxt	Purpose of seeds2	Purpose of seeds3
2	4	410	4.1E+08	2		BINICOL		
3	4	400	4E+08	11		BINICOL		
4	4	400	4E+08	1		BINICOL	5	
5	4	400	4E+08	11		BINICOL		
6	4	400	4E+08	2		PULA		



	A	B	C	W	X	Y	AA	AB
1	Region	Province	ID	MonthHarvst	SeedCode	SeedTxt	Purpose of seeds2	Purpose of seeds3
2	4	410	4.1E+08	2		BINICOL		
3	4	400	4E+08	11		BINICOL		
4	4	400	4E+08	1		BINICOL		2
5	4	400	4E+08	11		BINICOL		
6	4	400	4E+08	2		PULA		

8. **Source/s of planting materials -** acceptable codes is 1 to 6 only.

Illustration 39



Encoded code should be consistent with the source of planting materials

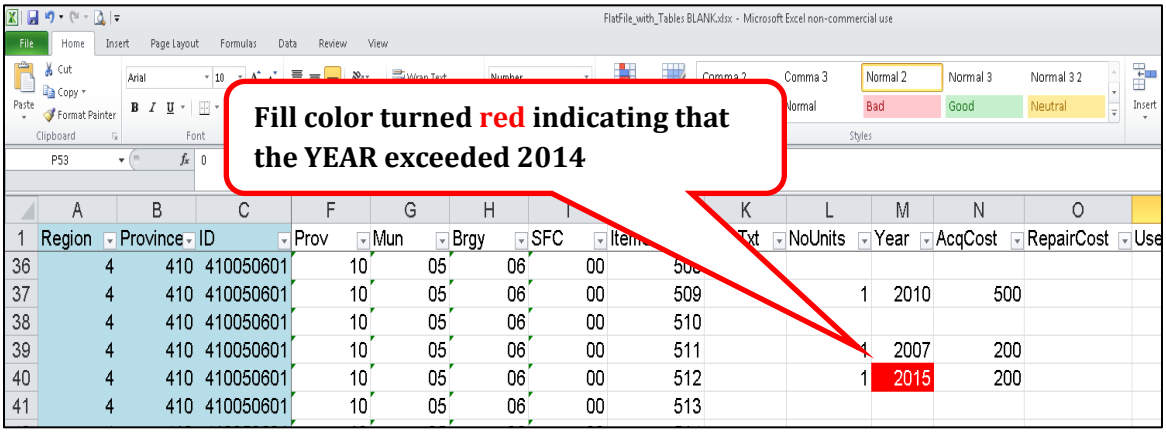
For example:

The code corresponds to the source is 3 but the data (code) that was encoded is 2

Block D

1. **What year was it acquired/constructed? -** Year must be in YYYY format and should not exceed **"2014".**

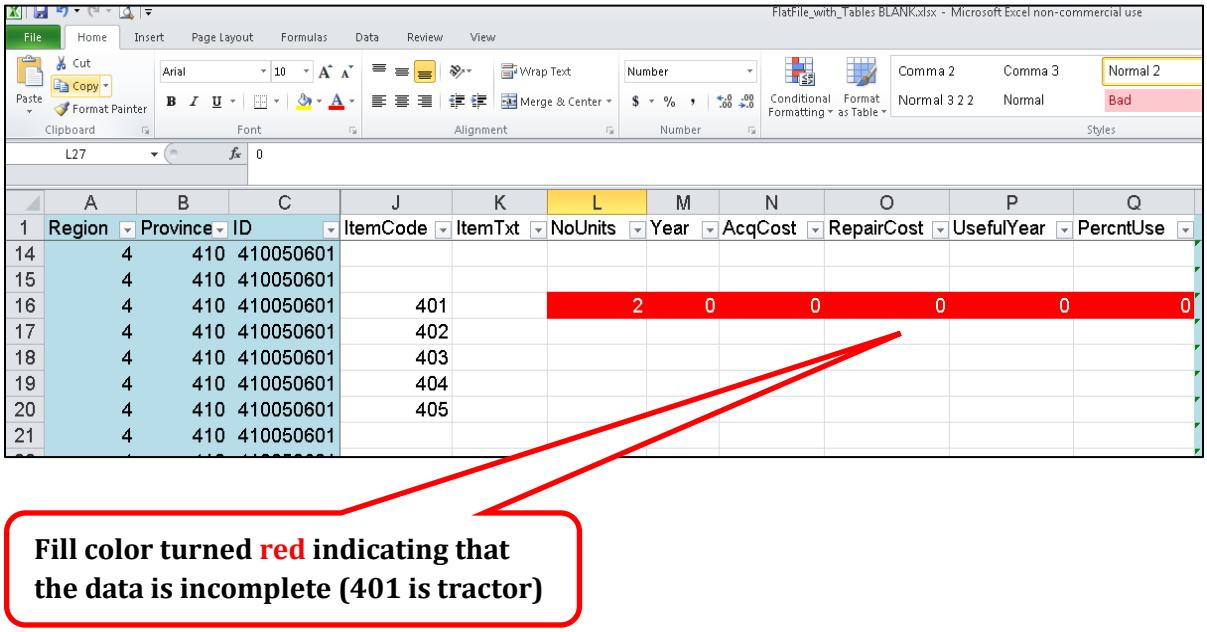
Illustration 40



	A	B	C	F	G	H	I	K	L	M	N	O
1	Region	Province	ID	Prov	Mun	Brgy	SFC	Txt	NoUnits	Year	AcqCost	RepairCost
36	4	410	410050601	10	05	06	00					
37	4	410	410050601	10	05	06	00	509	1	2010	500	
38	4	410	410050601	10	05	06	00	510				
39	4	410	410050601	10	05	06	00	511	1	2007	200	
40	4	410	410050601	10	05	06	00	512	1	2015	200	
41	4	410	410050601	10	05	06	00	513				

2. **Column 2 -** if column L has an entry, columns M, N, P and Q must have entries, except for owned farm and work animals.

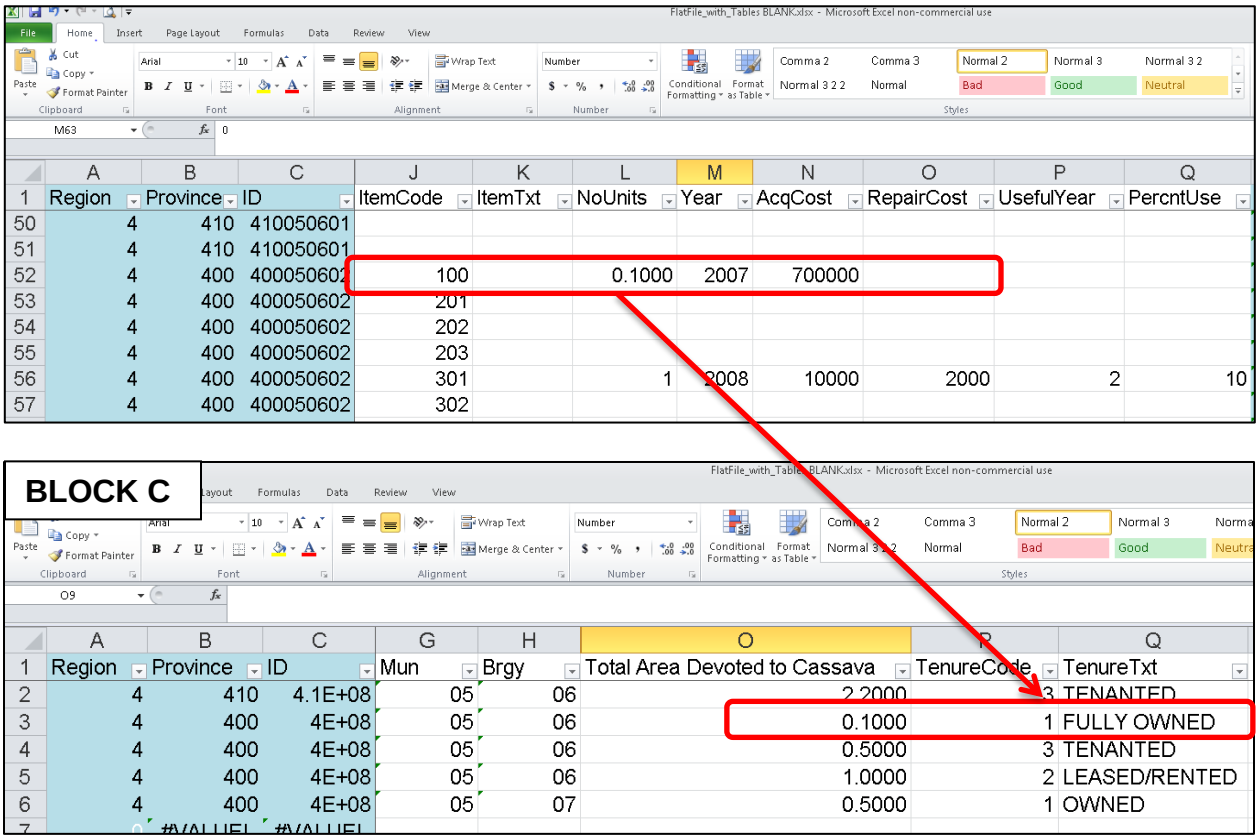
Illustration 41



	A	B	C	J	K	L	M	N	O	P	Q
1	Region	Province	ID	ItemCode	ItemTxt	NoUnits	Year	AcqCost	RepairCost	UsefulYear	PercntUse
14	4	410	410050601								
15	4	410	410050601								
16	4	410	410050601	401		2	0	0	0	0	0
17	4	410	410050601	402							
18	4	410	410050601	403							
19	4	410	410050601	404							
20	4	410	410050601	405							
21	4	410	410050601								

3. **Farm land owned (hectare) -** must have entry if the tenure status of the focus parcel is coded as **"1"** Fully owned in **Block C**, otherwise this item must be blank.

Illustration 42



	A	B	C	J	K	L	M	N	O	P	Q
1	Region	Province	ID	ItemCode	ItemTxt	NoUnits	Year	AcqCost	RepairCost	UsefulYear	PercntUse
50	4	410	410050601								
51	4	410	410050601								
52	4	400	400050602	100		0.1000	2007	700000			
53	4	400	400050602	201							
54	4	400	400050602	202							
55	4	400	400050602	203							
56	4	400	400050602	301		1	2008	10000	2000	2	10
57	4	400	400050602	302							

	A	B	C	G	H	O	P	Q
1	Region	Province	ID	Mun	Brgy	Total Area Devoted to Cassava	TenureCode	TenureTxt
2	4	410	4.1E+08	05	06	2.2000	3	TENANTED
3	4	400	4E+08	05	06	0.1000	1	FULLY OWNED
4	4	400	4E+08	05	06	0.5000	3	TENANTED
5	4	400	4E+08	05	06	1.0000	2	LEASED/RENTED
6	4	400	4E+08	05	07	0.5000	1	OWNED
7			#VALUE!	#VALUE!				

Block E

1. **Product name and N-P-K -** check and review if the product name and N-P-K content of the fertilizer used in the focus parcel. Likewise, check the product name of the pesticides that was applied.
2. **Mode of acquisition -** acceptable codes for mode of acquisitions.

Check for the consistency of the form (solid or liquid) of the material input and the reported name of local unit.

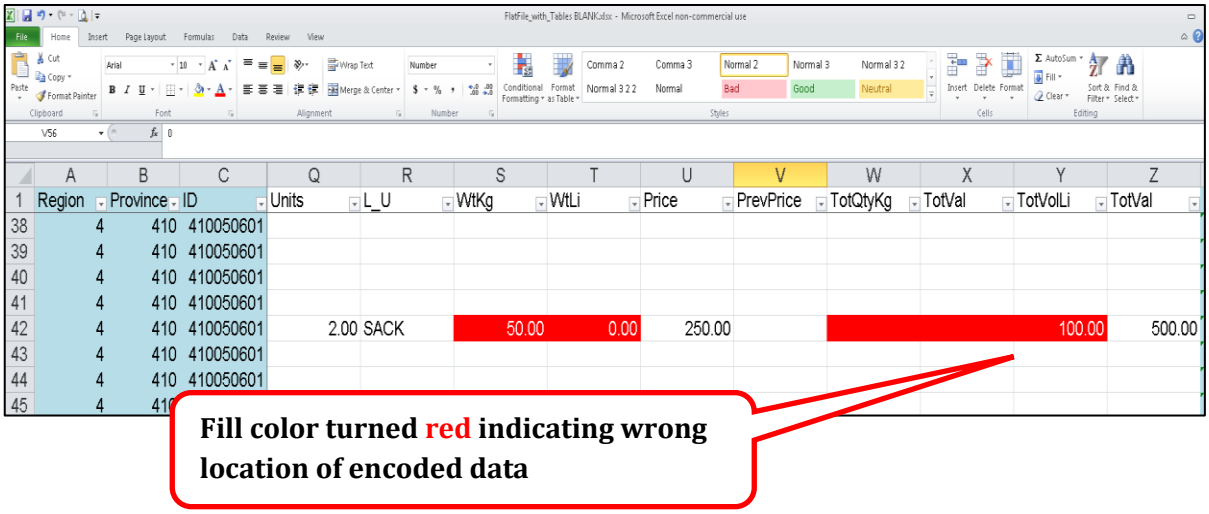
- For solid or granule inputs - the appropriate local units should be kilogram, gram, bag, sack, pack, box, etc.

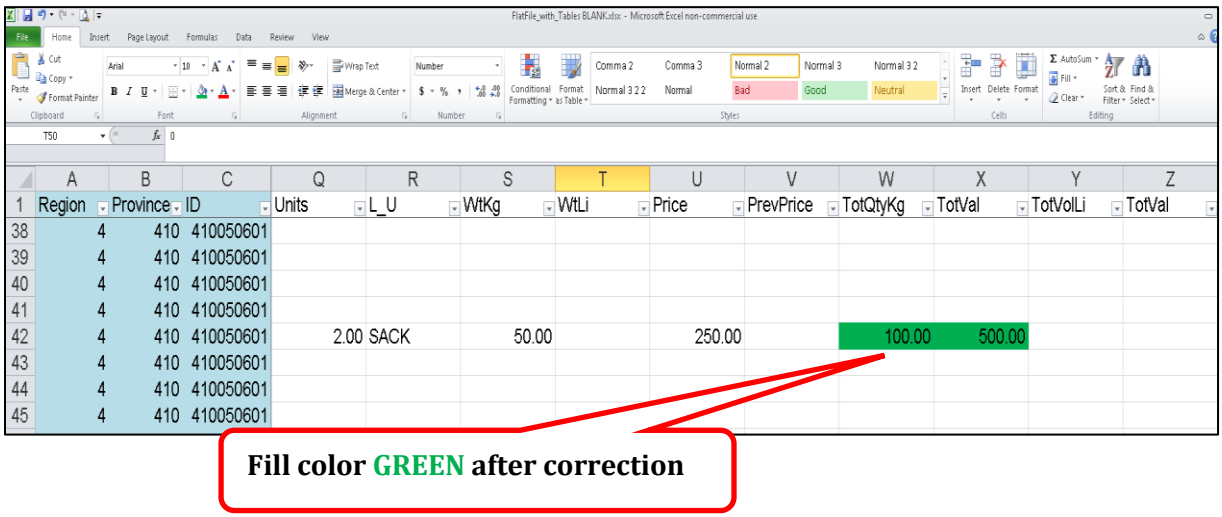
- For liquid inputs - the appropriate local units should be liter, milliliter, bottle, etc.

3. **Solid form-** If the material input indicated is solid or granules, **weight of one local unit in kilogram** must be filled up.

4. **Liquid input -** if the material input is liquid, **volume of one local unit in liter** must be filled up.

Illustration 43





5. **Purchased -** the price of one local unit should be consistent with the reported mode of acquisition and local unit.

6. **Not Purchased -** the prevailing price should be consistent with the reported mode of acquisition and local unit.

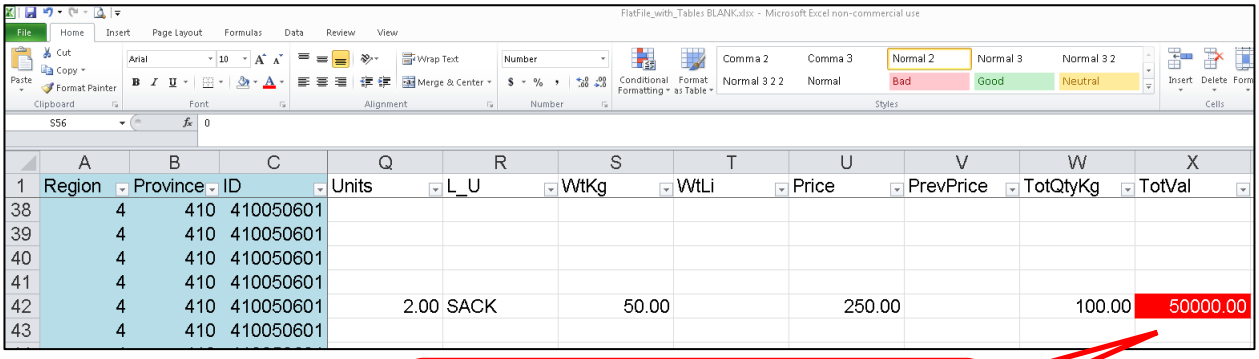
7. **Total quantity in kilogram** should be equal to the product of Columns Q and S.

8. **Total value (Column X)** should be the equivalent amount in peso of the total quantity of solid inputs used.

9. **Total volume in liter** is equal to the product of Columns Q and T.

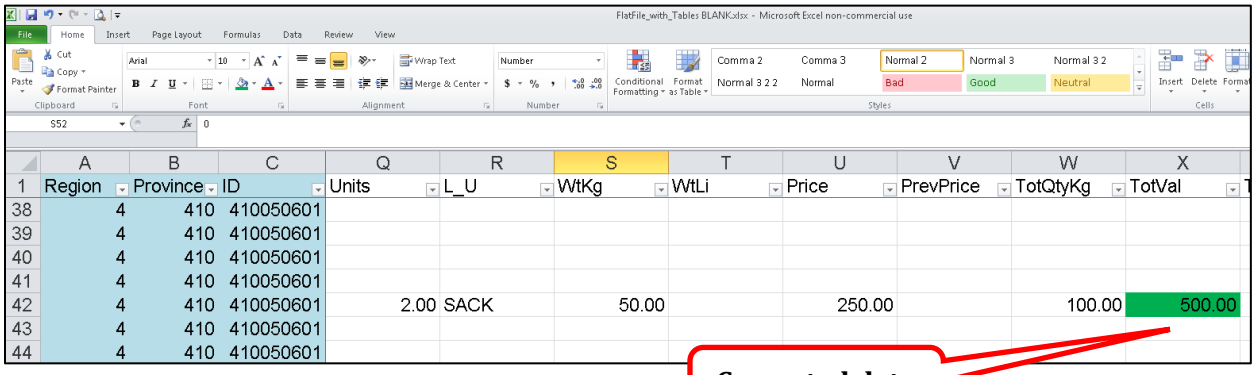
10. **Total value (Column Z)** should be the equivalent amount in peso of the total quantity of liquid inputs used.

Illustration 44



	A	B	C	Q	R	S	T	U	V	W	X
1	Region	Province	ID	Units	L_U	WtKg	WtLi	Price	PrevPrice	TotQtyKg	TotVal
38	4	410	410050601								
39	4	410	410050601								
40	4	410	410050601								
41	4	410	410050601								
42	4	410	410050601	2.00	SACK	50.00		250.00		100.00	50000.00
43	4	410	410050601								

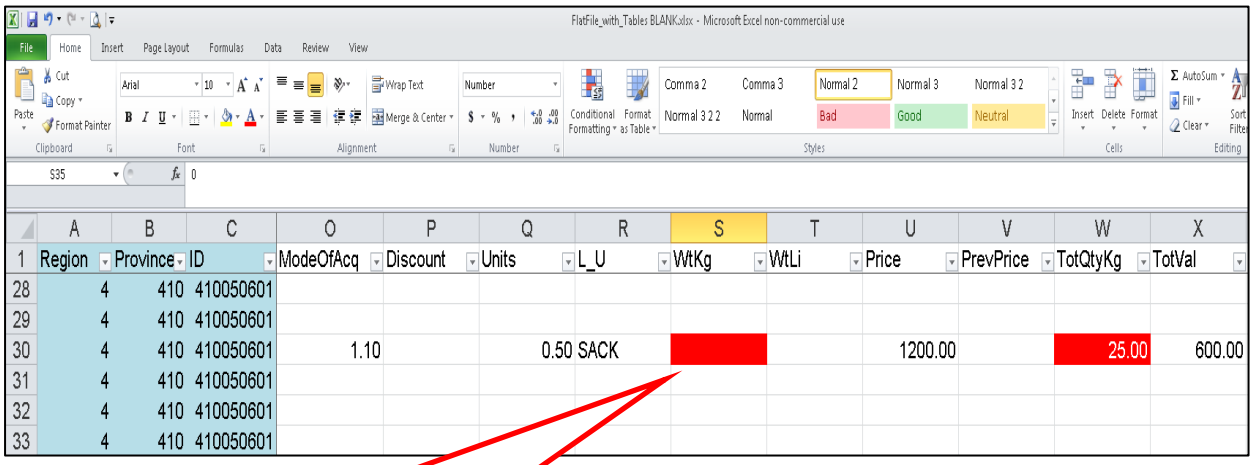
Fill color turned red indicating that the data is not consistent



	A	B	C	Q	R	S	T	U	V	W	X
1	Region	Province	ID	Units	L_U	WtKg	WtLi	Price	PrevPrice	TotQtyKg	TotVal
38	4	410	410050601								
39	4	410	410050601								
40	4	410	410050601								
41	4	410	410050601								
42	4	410	410050601	2.00	SACK	50.00		250.00		100.00	500.00
43	4	410	410050601								
44	4	410	410050601								

Corrected data

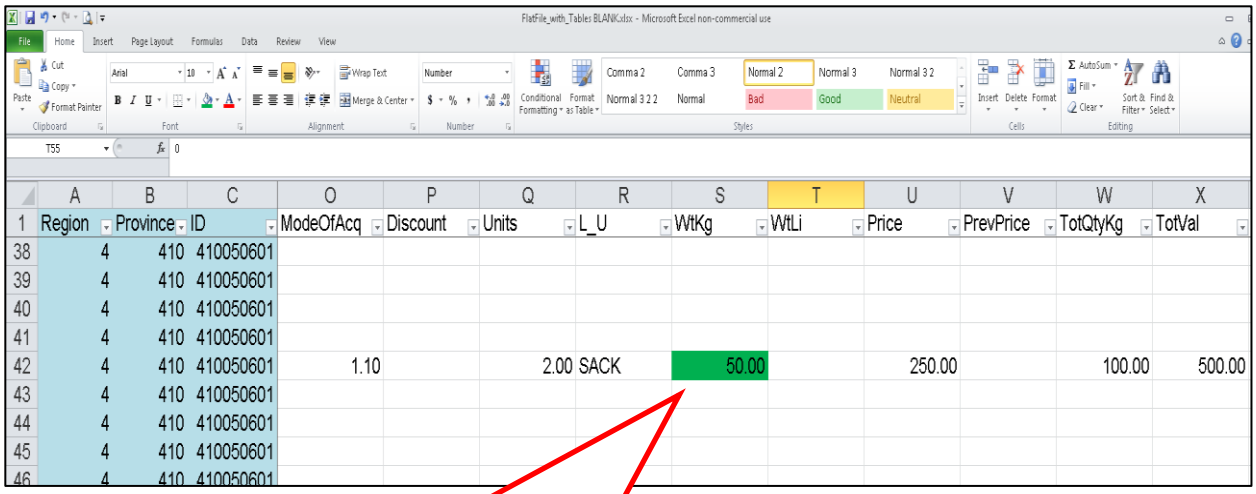
Illustration 45



	A	B	C	O	P	Q	R	S	T	U	V	W	X
1	Region	Province	ID	ModeOfAcq	Discount	Units	L_U	WtKg	WtLi	Price	PrevPrice	TotQtyKg	TotVal
28	4	410	410050601										
29	4	410	410050601										
30	4	410	410050601	1.10		0.50	SACK			1200.00		25.00	600.00
31	4	410	410050601										
32	4	410	410050601										
33	4	410	410050601										

Fill color turned red indicating that the weight was missing

ERROR : the weight of local unit for purchased was missing, thus the total quantity and weight turned red. To correct, input the right weight of a particular local unit.



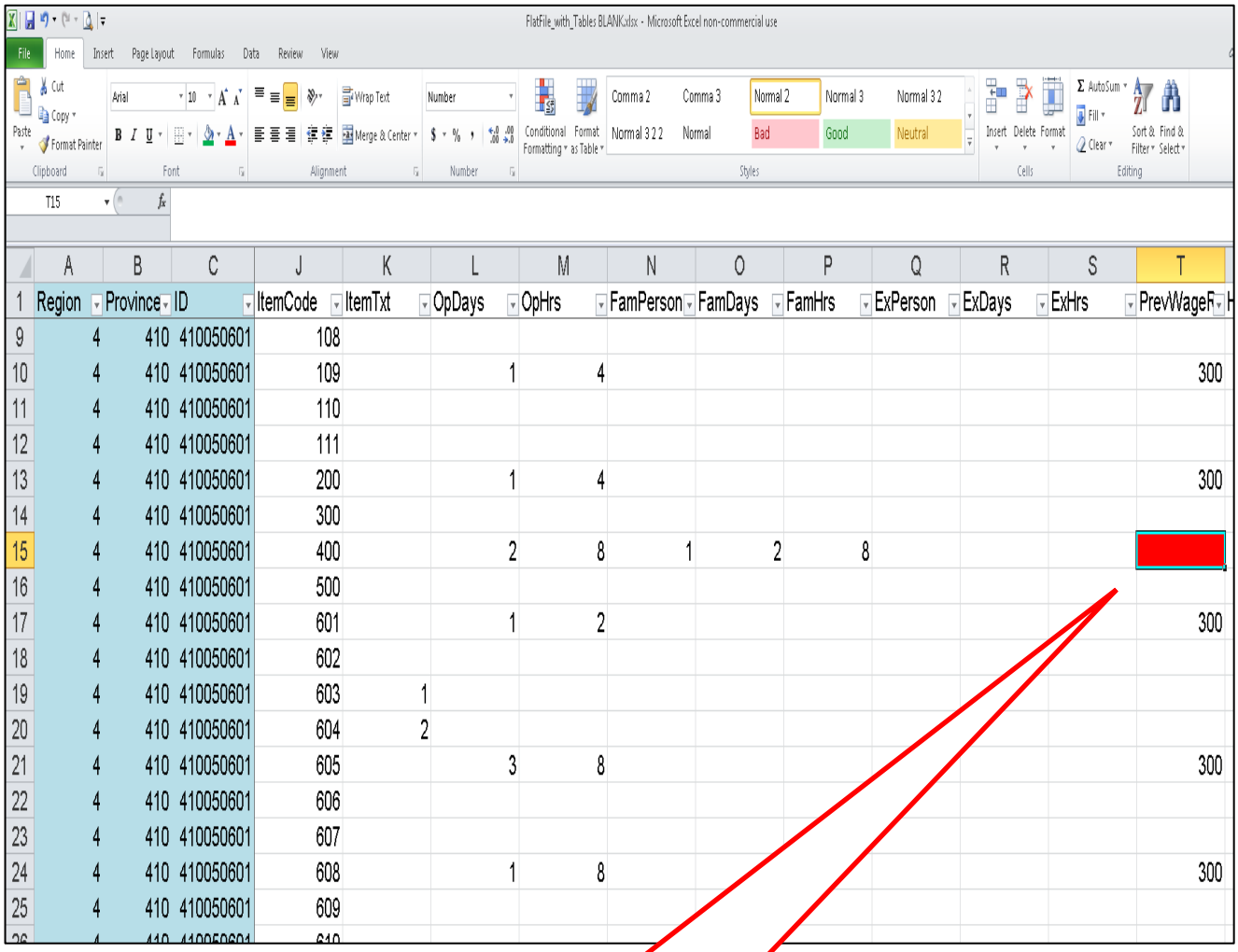
	A	B	C	O	P	Q	R	S	T	U	V	W	X
1	Region	Province	ID	ModeOfAcq	Discount	Units	L_U	WtKg	WtLi	Price	PrevPrice	TotQtyKg	TotVal
38	4	410	410050601										
39	4	410	410050601										
40	4	410	410050601										
41	4	410	410050601										
42	4	410	410050601	1.10		2.00	SACK	50.00		250.00		100.00	500.00
43	4	410	410050601										
44	4	410	410050601										
45	4	410	410050601										
46	4	410	410050601										

Encode the correct weight and fill color green

Block F

Prevailing wage rate - this should have an entry if unpaid labor (operator, family and exchange) have entries. Check the acceptability of the indicated prevailing wage rate.

Illustration 46

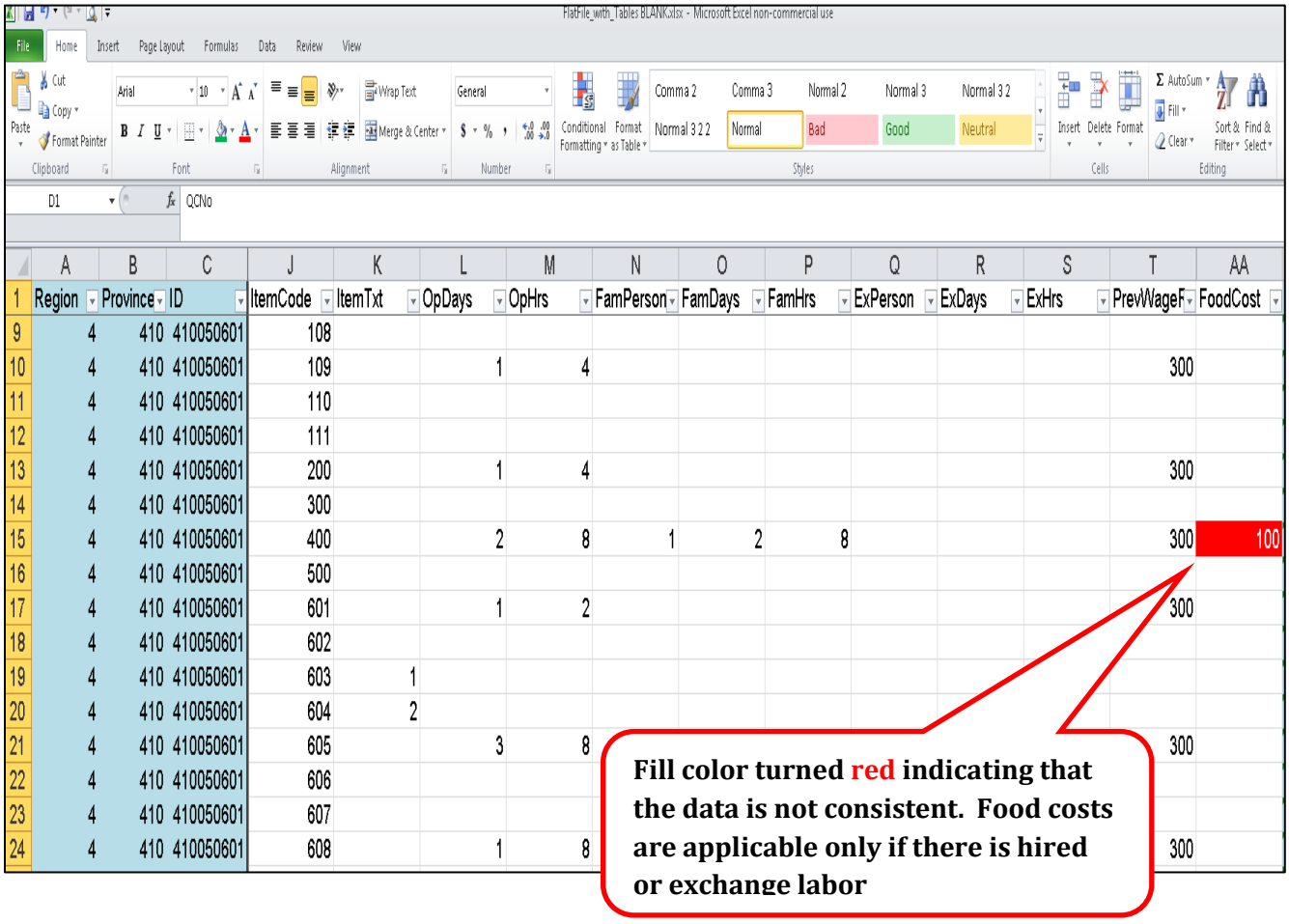


	A	B	C	J	K	L	M	N	O	P	Q	R	S	T
1	Region	Province	ID	ItemCode	ItemTxt	OpDays	OpHrs	FamPerson	FamDays	FamHrs	ExPerson	ExDays	ExHrs	PrevWageR
9	4	410	410050601	108										
10	4	410	410050601	109		1	4							300
11	4	410	410050601	110										
12	4	410	410050601	111										
13	4	410	410050601	200		1	4							300
14	4	410	410050601	300										
15	4	410	410050601	400		2	8	1	2	8				
16	4	410	410050601	500										
17	4	410	410050601	601		1	2							300
18	4	410	410050601	602										
19	4	410	410050601	603	1									
20	4	410	410050601	604	2									
21	4	410	410050601	605		3	8							300
22	4	410	410050601	606										
23	4	410	410050601	607										
24	4	410	410050601	608		1	8							300
25	4	410	410050601	609										

Fill color turned red indicating that the prevailing wage rate is missing

Food cost - this should correspond to the provision of food for **hired labor and exchange labor** by major activity performed, if any.

Illustration 47



	A	B	C	J	K	L	M	N	O	P	Q	R	S	T	AA
1	Region	Province	ID	ItemCode	ItemTxt	OpDays	OpHrs	FamPerson	FamDays	FamHrs	ExPerson	ExDays	ExHrs	PrevWageF	FoodCost
9	4	410	410050601	108											
10	4	410	410050601	109		1	4							300	
11	4	410	410050601	110											
12	4	410	410050601	111											
13	4	410	410050601	200		1	4							300	
14	4	410	410050601	300											
15	4	410	410050601	400		2	8	1	2	8				300	100
16	4	410	410050601	500											
17	4	410	410050601	601		1	2							300	
18	4	410	410050601	602											
19	4	410	410050601	603	1										
20	4	410	410050601	604	2										
21	4	410	410050601	605		3	8							300	
22	4	410	410050601	606											
23	4	410	410050601	607											
24	4	410	410050601	608		1	8							300	

Fill color turned red indicating that the data is not consistent. Food costs are applicable only if there is hired or exchange labor

Check for the Consistency of farm activities with other Blocks

1. **Plowing (man-animal)** - If this item has entry in Block F, then **either** the farm operator has work animal in Block D (work animals) **or** the farm operator rented/borrowed the work animal in Block G **or** the operator hired man and animal to do the task. The same will be applied to other activities done using man-animal labor for consistency check

2. **Plowing (man-machine)** - If this item has entry in Block F, then either the farm operator has two-wheel/four-wheel tractor in Block D (two-wheel tractor or four-wheel tractor) **or** the farm operator rented/borrowed the machine in Block G **or**

the operator hired man and machine to do the task. The same will be applied to other machines for consistency check.

3. **Fertilizer application** - If this item has entry, then there should be acquisition of fertilizer in Block E **either** organic fertilizer **or** inorganic fertilizer.

4. **Pesticide application:** consistency check can be done for Block F weeding (chemical spraying) and chemical application (other than weedicide) and Block E, (Pesticides)

5. **Irrigating** – If this item has entry in Block F, either the farm operator owned the irrigation pump (Block D), **or** he rented the machine in (Block G) or farm operator paid irrigation fee (e.g. NIA, CIS, etc.) in Block G.

6. **Harvesting** - If the harvesters of camote were paid in kind, then, the payment should be consistent in Block H, Item 2.02 (harvesters' share). The value of payment in kind should equal to the ***quantity paid to the harvesters x farm gate price***.

Block G

1. **Land Tax -** accept the indicated land tax if the tenure status is fully owned (Block C). For those held under CLT / CLOA, it may or may not have land tax.

2. **Imputed costs -** must have entry either the operators' tenure status of the farm land is "rent free", borrowed the animal and /or machine free of charge or the operator received the materials (e.g., fuel / oil) used.

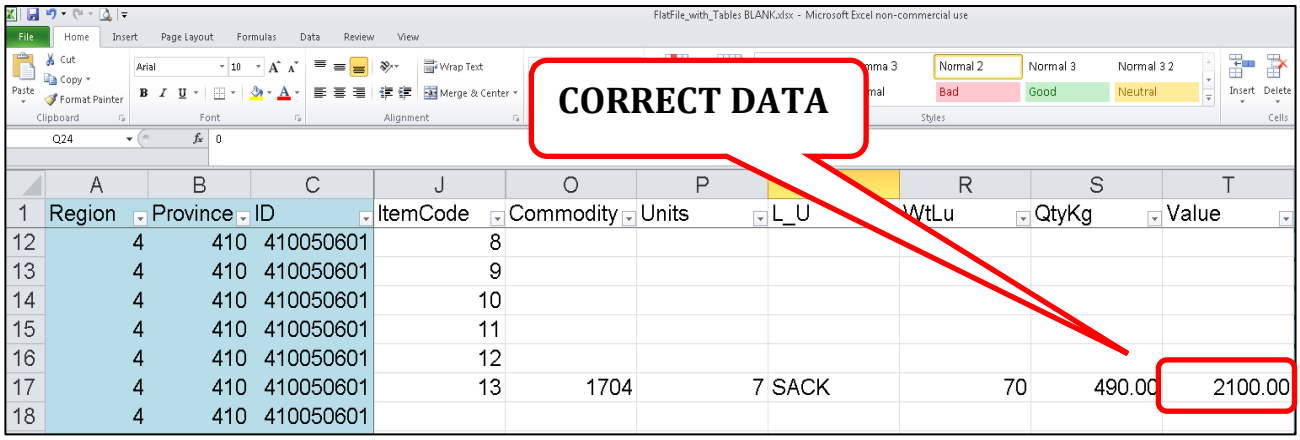
3. **Crop / commodity -** check and review if the crop name and commodity paid were properly encoded.

4. **Total quantity in kilogram -** must be equal to the product of Number of local units and Weight of one local unit in kilogram.

5. **Total value -** this should be consistent if payment made was in the form of camote, verify the price per local unit from Block H. For other commodities, the price per local unit should be comparable in the prevailing price in the locality.

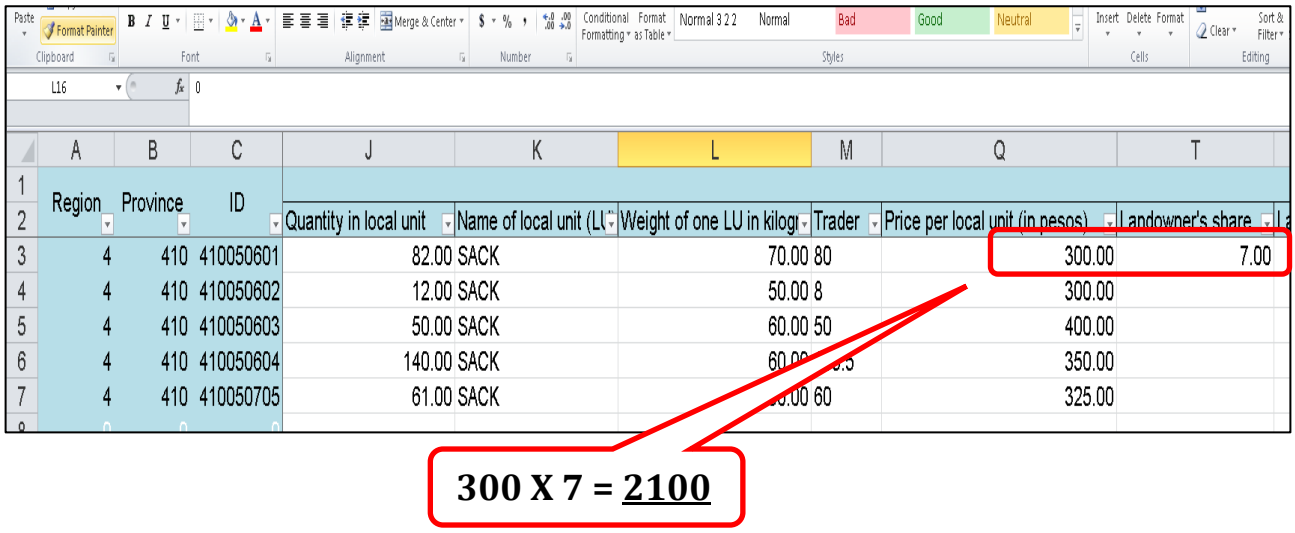
Illustration 48

BLOCK G



	A	B	C	J	O	P		R	S	T
1	Region	Province	ID	ItemCode	Commodity	Units	L_U	WtLu	QtyKg	Value
12	4	410	410050601	8						
13	4	410	410050601	9						
14	4	410	410050601	10						
15	4	410	410050601	11						
16	4	410	410050601	12						
17	4	410	410050601	13	1704	7	SACK	70	490.00	2100.00
18	4	410	410050601							

BLOCK H



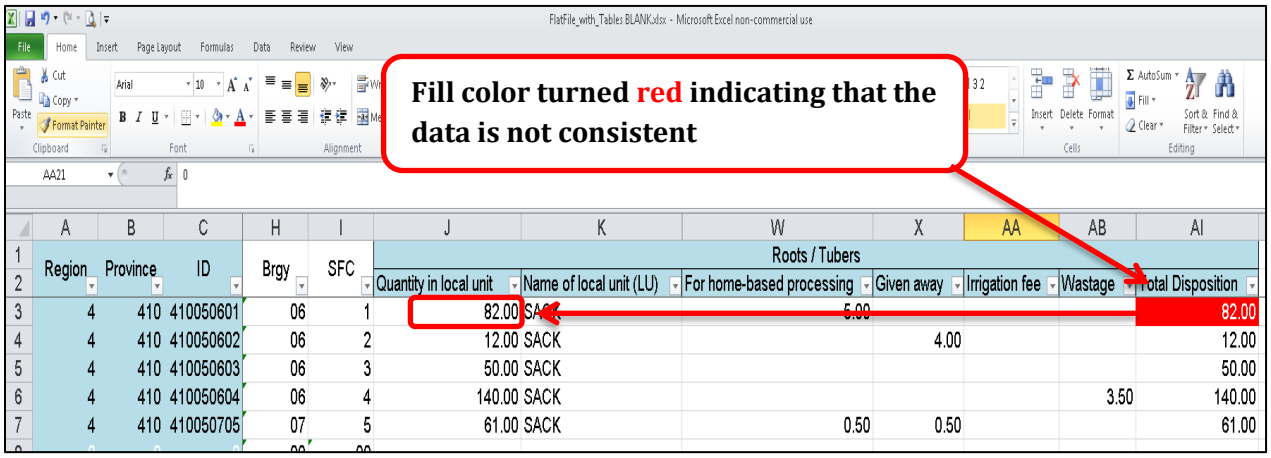
	A	B	C	J	K	L	M	Q	T
1									
2	Region	Province	ID	Quantity in local unit	Name of local unit (LU	Weight of one LU in kilogr	Trader	Price per local unit (in pesos)	Landowner's share
3	4	410	410050601	82.00	SACK	70.00	80	300.00	7.00
4	4	410	410050602	12.00	SACK	50.00	8	300.00	
5	4	410	410050603	50.00	SACK	60.00	50	400.00	
6	4	410	410050604	140.00	SACK	60.00	5	350.00	
7	4	410	410050705	61.00	SACK	60.00	60	325.00	

6. **Caretaker / overseer's wages, land lease / rental, irrigation fee and other production costs -** if payments made were in-kind, thtere should be consistent with Block H (Disposition). **See illustration 47 to 50.**

Block H

1. **Quantity in local unit -** this should be equal to the total disposition.

Illustration 49

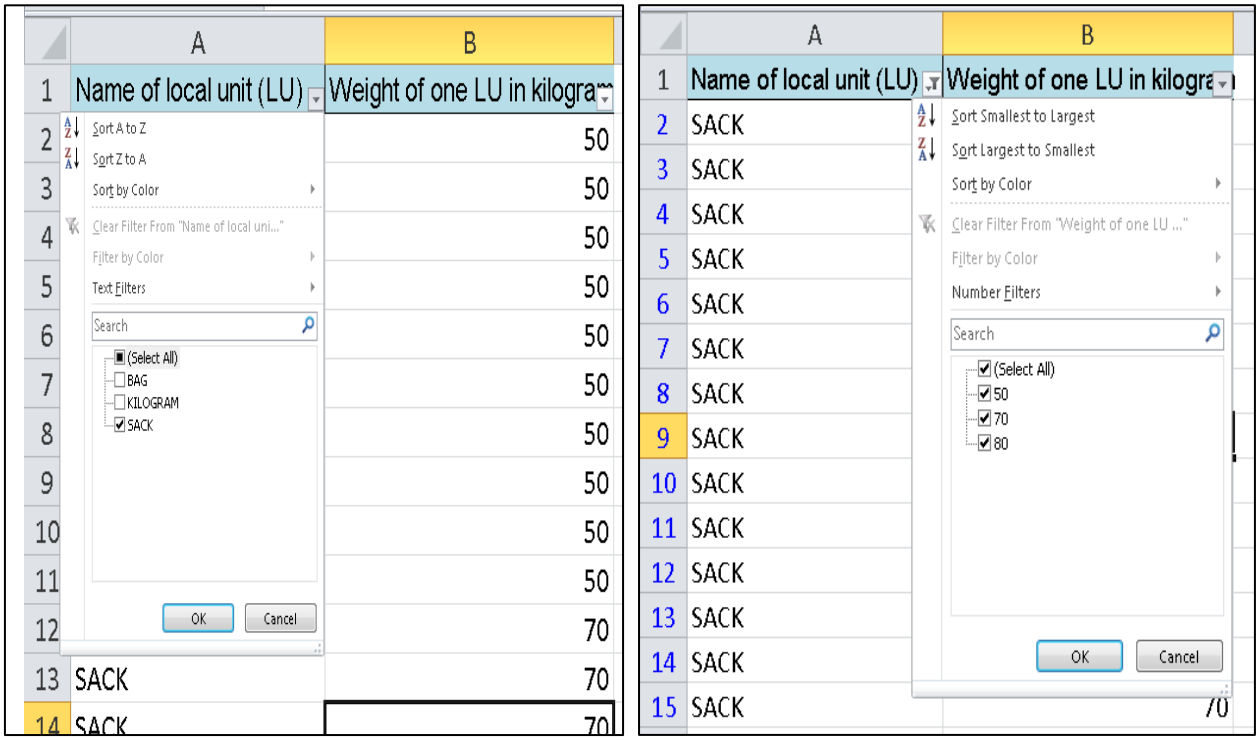


	A	B	C	H	I	J	K	W	X	AA	AB	AI
1						Roots / Tubers						
2	Region	Province	ID	Brgy	SFC	Quantity in local unit	Name of local unit (LU)	For home-based processing	Given away	Irrigation fee	Wastage	Total Disposition
3	4	410	410050601	06	1	82.00	SACK	5.00				82.00
4	4	410	410050602	06	2	12.00	SACK		4.00			12.00
5	4	410	410050603	06	3	50.00	SACK					50.00
6	4	410	410050604	06	4	140.00	SACK				3.50	140.00
7	4	410	410050705	07	5	61.00	SACK	0.50	0.50			61.00

2. **Local unit -** check and review the reported name of local unit.

3. **Weight of one LU in kilogram -** check and review the weight of one local unit in kilogram, the weight should be consistent with the local unit indicated.

Illustration 50



4. **Price per local unit -** Price should be consistent with the local unit.

5. **Total disposition –** (in local unit) should be equal to volume of production (in local unit).

6. **Dispositions**
   - **Landowner's share**
   - **Land lease / rental**
   - **Irrigation fee**
   - **Other disposition item**

   } Volume and value should be consistent with Block G - Other Production Costs (non-cash costs columns

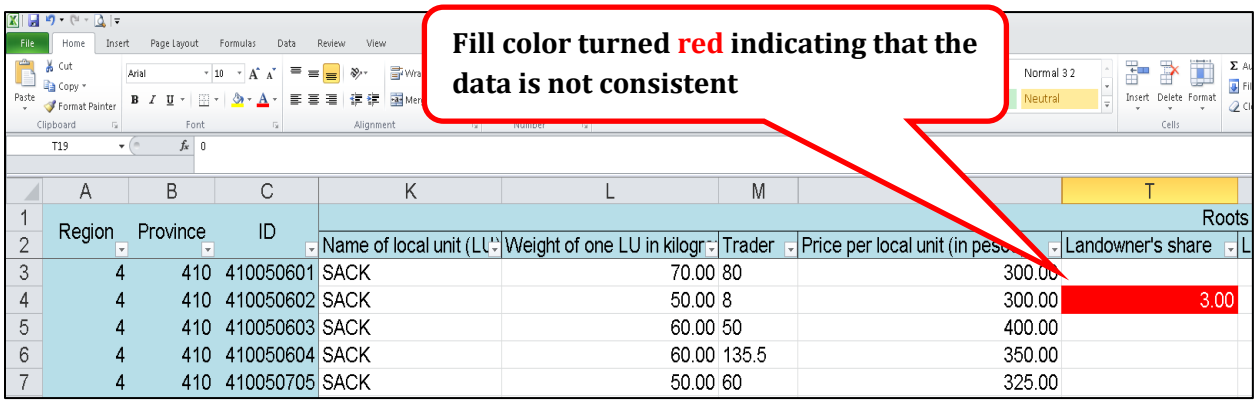
   - **Harvesters' share**

   } Value should be consistent with Block F - Labor Inputs (paid in kind)

Illustration 51

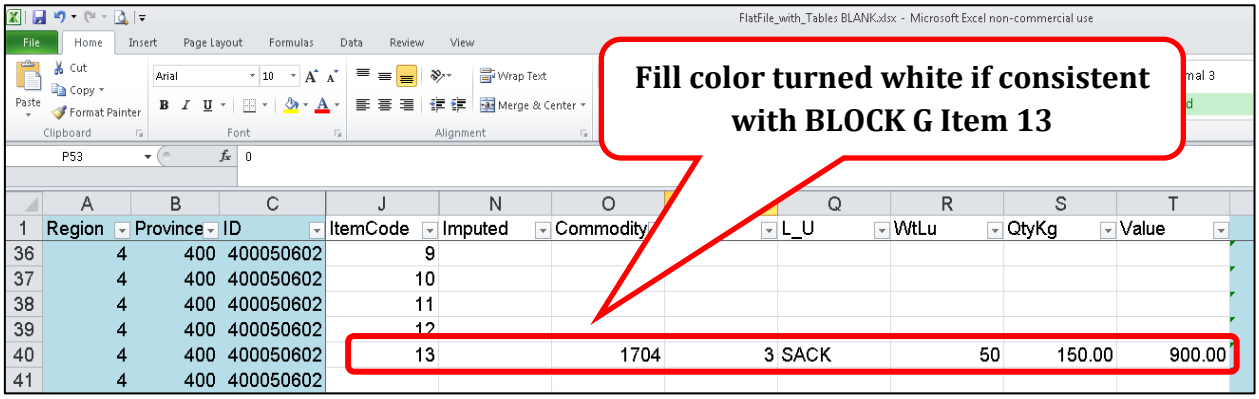
LANDOWNER'S SHARE

BLOCK H



	A	B	C	K	L	M	T
1							Roots
2	Region	Province	ID	Name of local unit (LL	Weight of one LU in kilogr	Trader	Price per local unit (in pes	Landowner's share	L
3	4	410	410050601	SACK	70.00	80	300.00		
4	4	410	410050602	SACK	50.00	8	300.00	3.00	
5	4	410	410050603	SACK	60.00	50	400.00		
6	4	410	410050604	SACK	60.00	135.5	350.00		
7	4	410	410050705	SACK	50.00	60	325.00		

BLOCK G

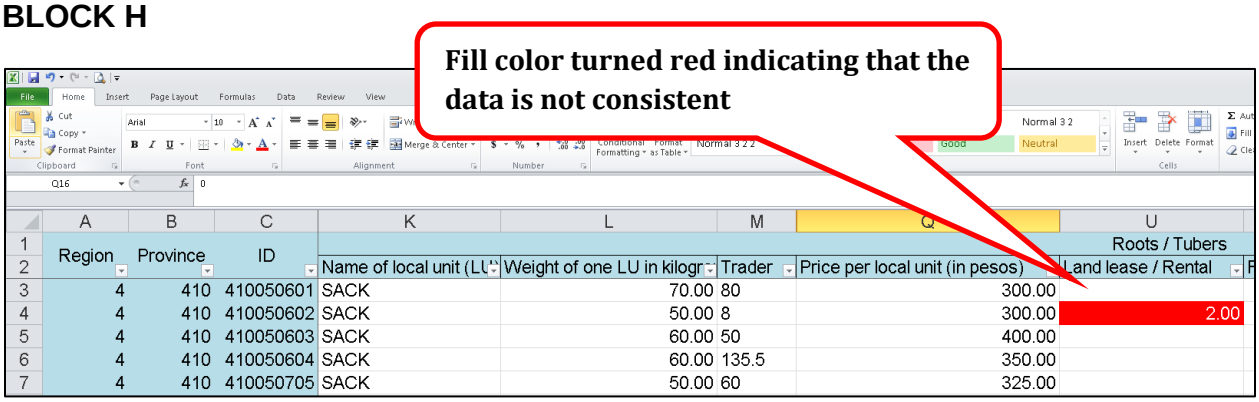


	A	B	C	J	N	O	Q	R	S	T
1	Region	Province	ID	ItemCode	Imputed	Commodity	L_U	WtLu	QtyKg	Value
36	4	400	400050602	9						
37	4	400	400050602	10						
38	4	400	400050602	11						
39	4	400	400050602	12						
40	4	400	400050602	13		1704	3 SACK	50	150.00	900.00
41	4	400	400050602							

Illustration 52

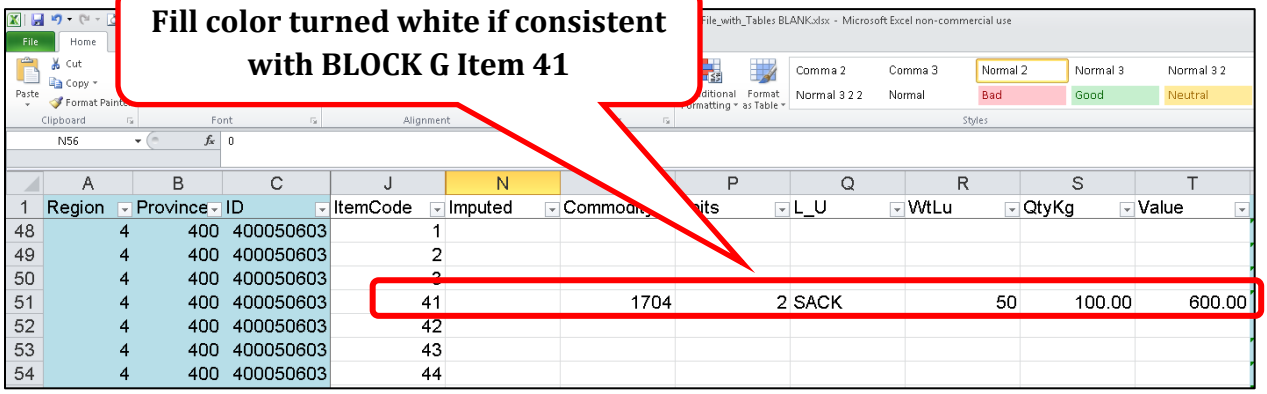
LAND LEASE / RENTAL

BLOCK H



	A	B	C	K	L	M	Q	U
1	Region	Province	ID					Roots / Tubers
2				Name of local unit (LU	Weight of one LU in kilogr	Trader	Price per local unit (pesos)	Land lease / Rental
3	4	410	410050601	SACK	70.00	80	300.00	
4	4	410	410050602	SACK	50.00	8	300.00	2.00
5	4	410	410050603	SACK	60.00	50	400.00	
6	4	410	410050604	SACK	60.00	135.5	350.00	
7	4	410	410050705	SACK	50.00	60	325.00	

BLOCK G

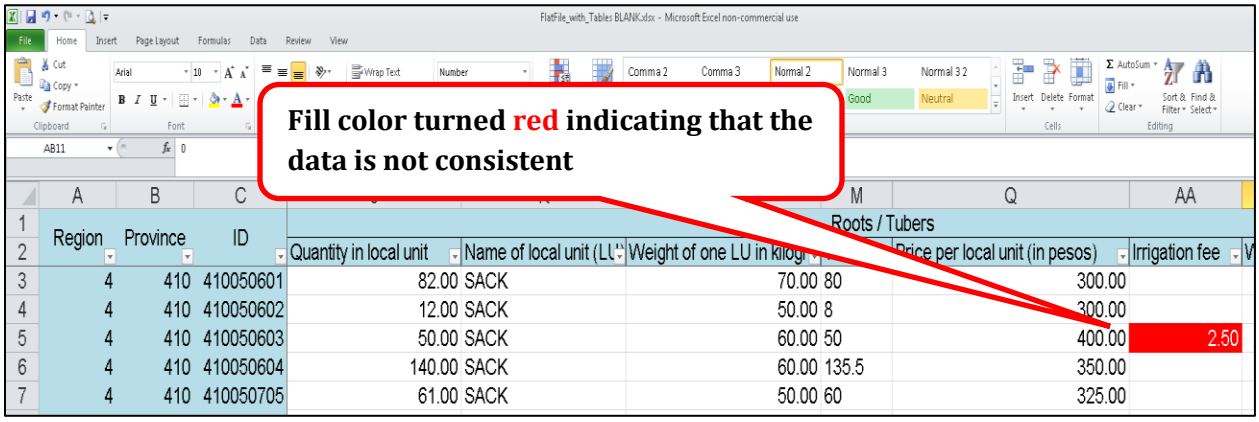


	A	B	C	J	N	P	Q	R	S	T
1	Region	Province	ID	ItemCode	Imputed	its	L_U	WtLu	QtyKg	Value
48	4	400	400050603	1						
49	4	400	400050603	2						
50	4	400	400050603	3						
51	4	400	400050603	41	1704	2	SACK	50	100.00	600.00
52	4	400	400050603	42						
53	4	400	400050603	43						
54	4	400	400050603	44						

ILLUSTRATION 53

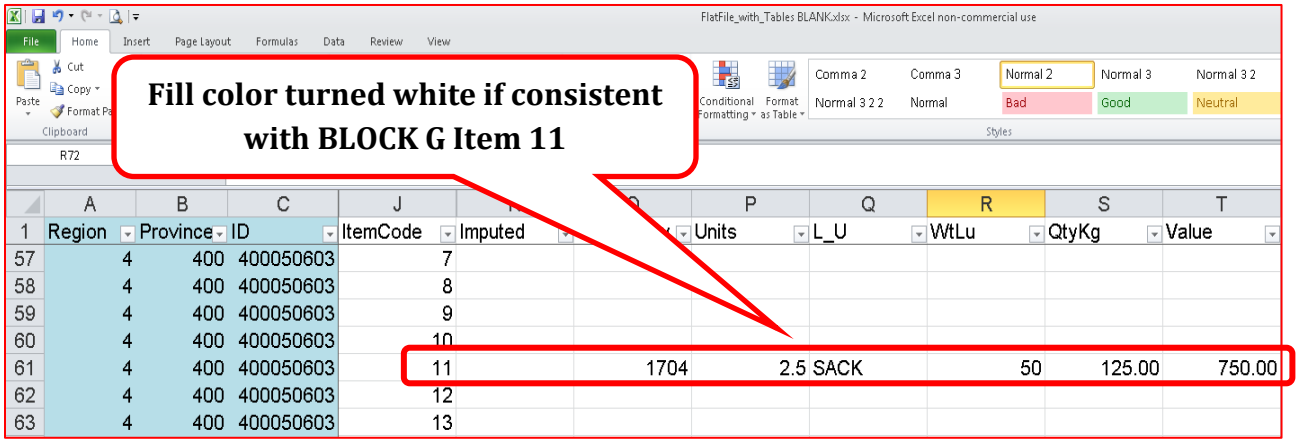
IRRIGATION FEE

BLOCK H



	A	B	C	M	Q	AA
1	Region	Province	ID			Roots / Tubers
2				Quantity in local unit	Name of local unit (LU	Weight of one LU in kilog	Price per local unit (pesos)	Irrigation fee
3	4	410	410050601	82.00	SACK	70.00 80	300.00	
4	4	410	410050602	12.00	SACK	50.00 8	300.00	
5	4	410	410050603	50.00	SACK	60.00 50	400.00	2.50
6	4	410	410050604	140.00	SACK	60.00 135.5	350.00	
7	4	410	410050705	61.00	SACK	50.00 60	325.00	

BLOCK G

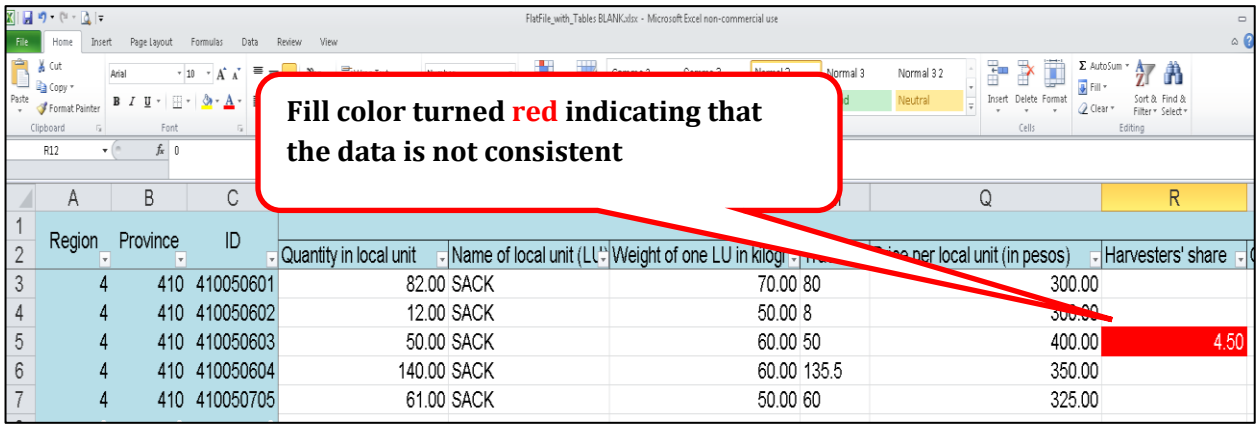


	A	B	C	J	P	Q	R	S	T
1	Region	Province	ID	ItemCode	Imputed	Units	L_U	WtLu	QtyKg	Value
57	4	400	400050603	7						
58	4	400	400050603	8						
59	4	400	400050603	9						
60	4	400	400050603	10						
61	4	400	400050603	11	1704	2.5	SACK	50	125.00	750.00
62	4	400	400050603	12						
63	4	400	400050603	13						

Illustration 54

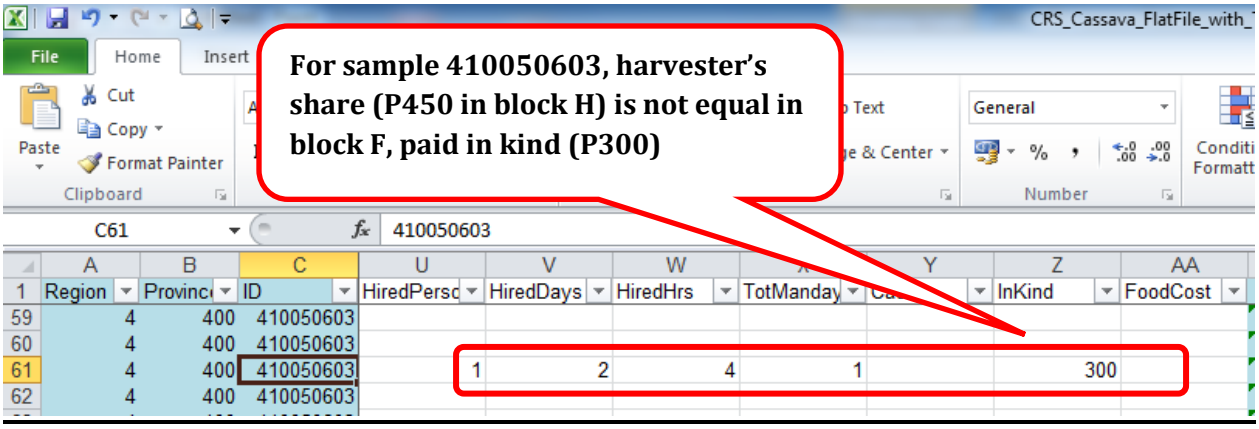
HARVESTERS' SHARE

BLOCK H



	A	B	C	Q	R
1					
2	Region	Province	ID	Quantity in local unit	Name of local unit (LU	Weight of one LU in kilogr	Price per local unit (in pesos)	Harvesters' share
3	4	410	410050601	82.00	SACK	70.00	80	300.00	
4	4	410	410050602	12.00	SACK	50.00	8	300.00	
5	4	410	410050603	50.00	SACK	60.00	50	400.00	4.50
6	4	410	410050604	140.00	SACK	60.00	135.5	350.00	
7	4	410	410050705	61.00	SACK	50.00	60	325.00	

BLOCK F

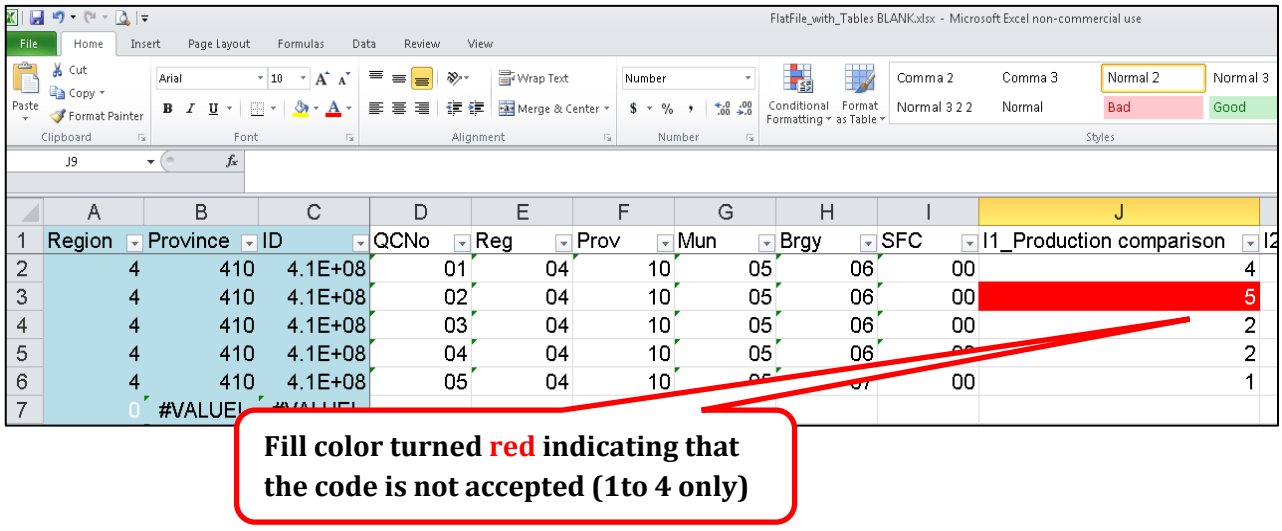


	A	B	C	U	V	W	X	Y	Z	AA
1	Region	Provinc	ID	HiredPersc	HiredDays	HiredHrs	TotManday		InKind	FoodCost
59	4	400	410050603							
60	4	400	410050603							
61	4	400	410050603	1	2	4	1		300	
62	4	400	410050603							

Block I

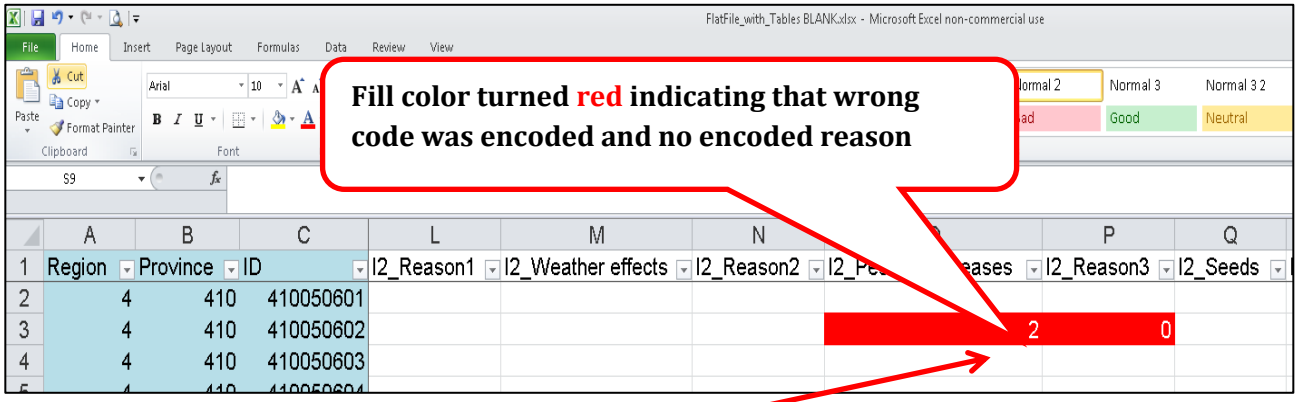
1. **Production comparison -** acceptable codes for comparison of camote production during reference period with the same period of last year is from 1 to 4 only.

Illustration 55



2. **Reason/s for the change in production -** acceptable codes on the reasons for the change in production is from 1 to 7 only. Write the verbatim answer in every reason.

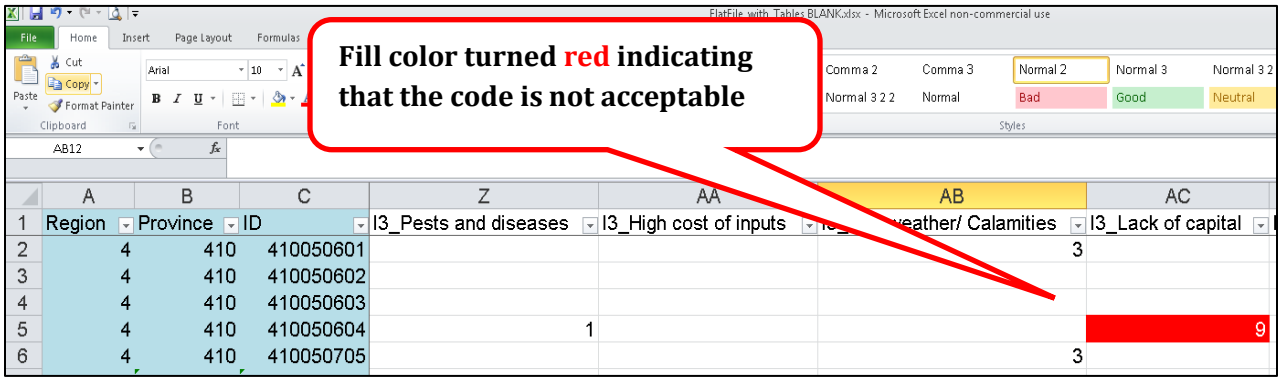
Illustration 56



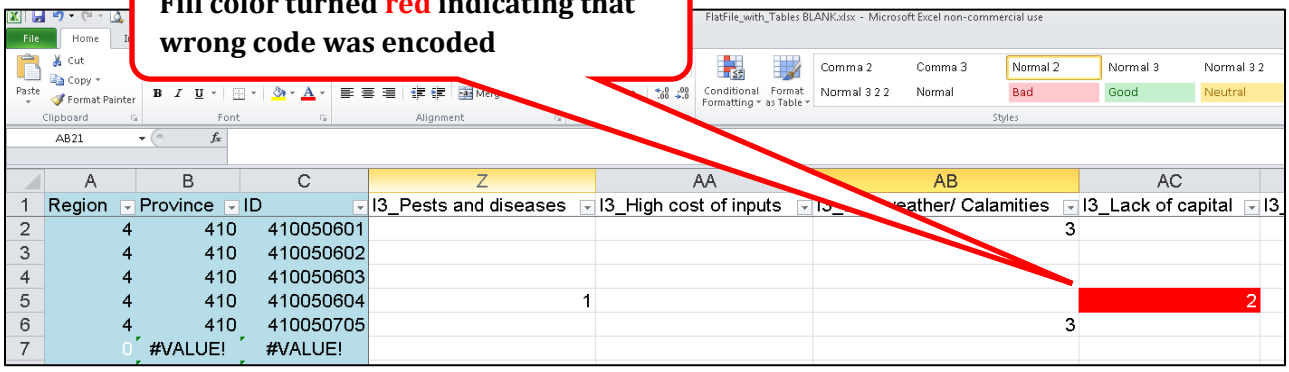
Correct data to be inputted **code 3** and should have verbatim for **reason**

3. **Camote production related problems -** acceptable codes on the camote production related problems are 1 to 8 only.

Illustration 57



	A	B	C	Z	AA	AB	AC
1	Region	Province	ID	I3_Pests and diseases	I3_High cost of inputs	eather/ Calamities	I3_Lack of capital
2	4	410	410050601			3	
3	4	410	410050602				
4	4	410	410050603				
5	4	410	410050604	1			9
6	4	410	410050705			3	

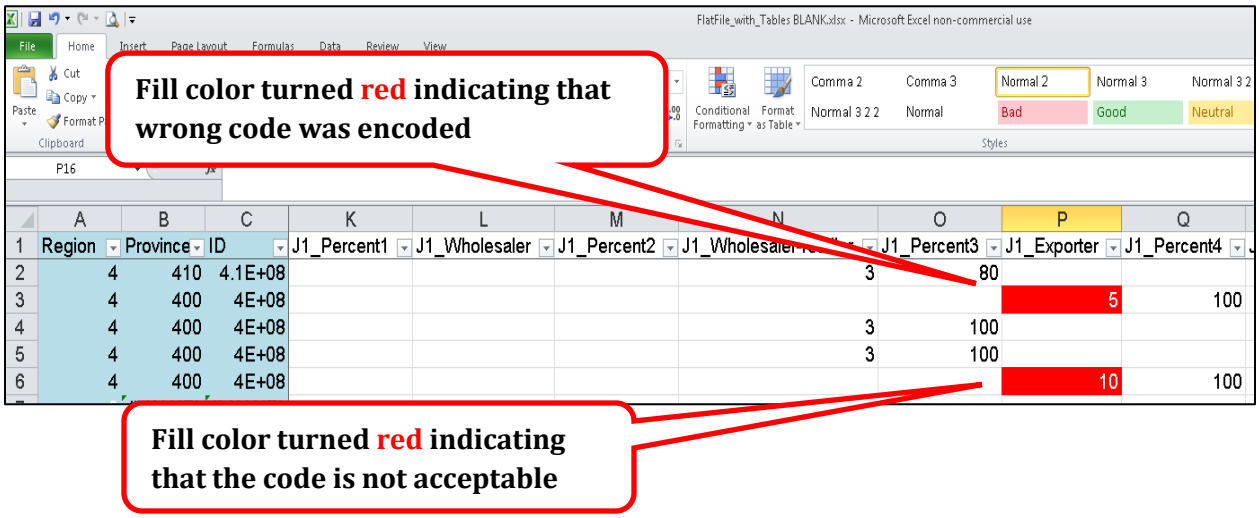


	A	B	C	Z	AA	AB	AC
1	Region	Province	ID	I3_Pests and diseases	I3_High cost of inputs	eather/ Calamities	I3_Lack of capital
2	4	410	410050601			3	
3	4	410	410050602				
4	4	410	410050603				
5	4	410	410050604	1			2
6	4	410	410050705			3	
7	0	#VALUE!	#VALUE!				

Block J

1. **Major buyer produce -** acceptable codes for major buyer of produce are 1 to 9 only.

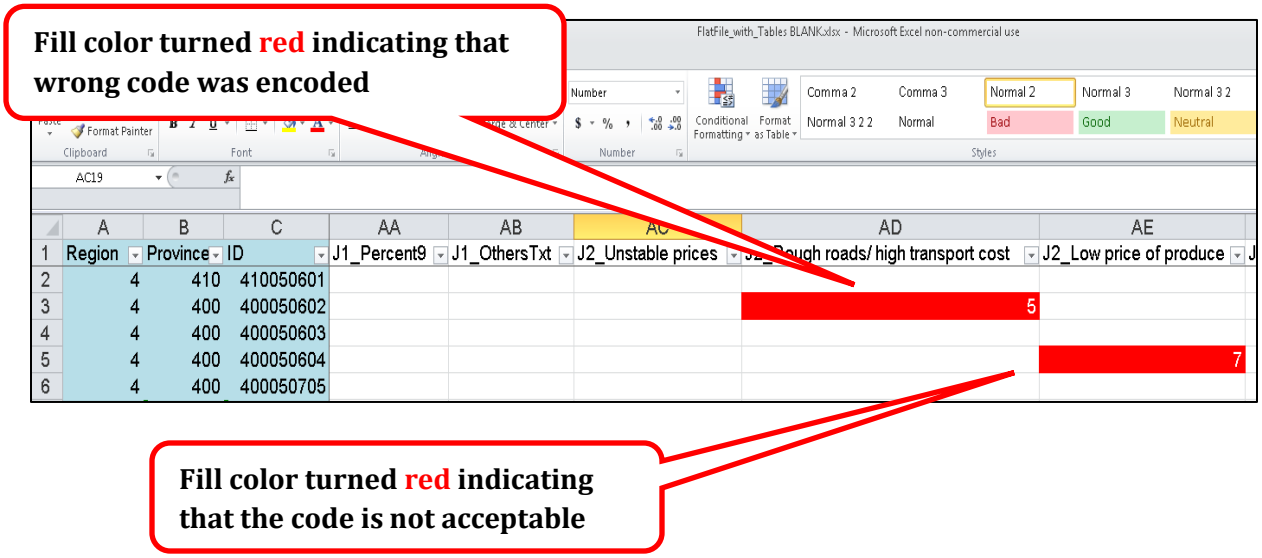
Illustration 58



	A	B	C	K	L	M	N	O	P	Q
1	Region	Province	ID	J1_Percent1	J1_Wholesaler	J1_Percent2	J1_Wholesaler	J1_Percent3	J1_Exporter	J1_Percent4
2	4	410	4.1E+08				3	80		
3	4	400	4E+08						5	100
4	4	400	4E+08				3	100		
5	4	400	4E+08				3	100		
6	4	400	4E+08						10	100

2. **Marketing related problems -** acceptable codes on the marketing related problems are 1 to 6 only.

Illustration 59

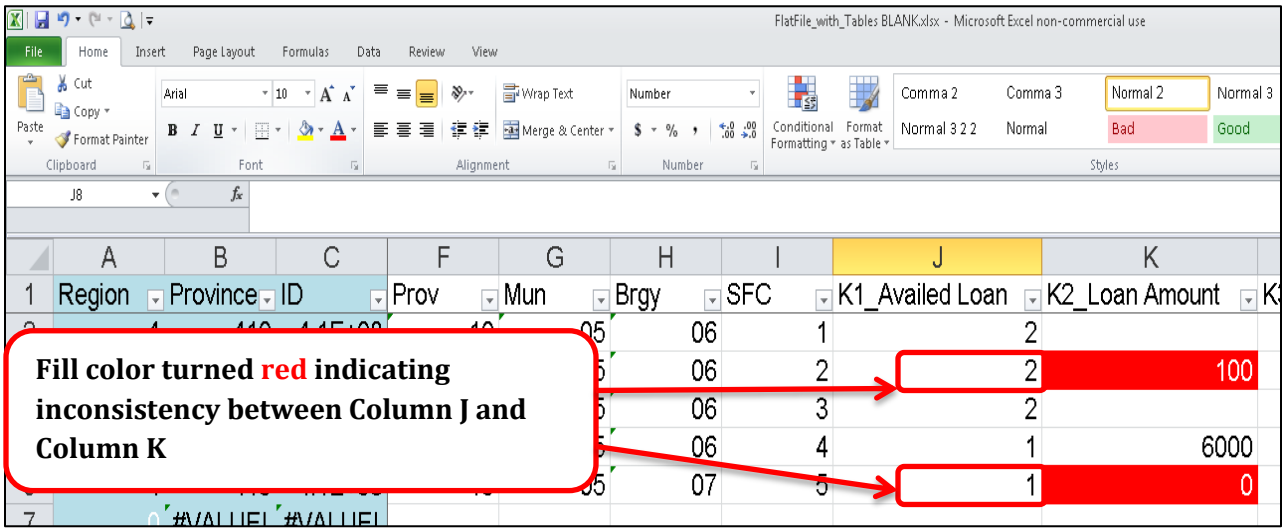


	A	B	C	AA	AB	AC	AD	AE
1	Region	Province	ID	J1_Percent9	J1_OthersTxt	J2_Unstable prices	J2_Rough roads/ high transport cost	J2_Low price of produce
2	4	410	410050601					
3	4	400	400050602				5	
4	4	400	400050603					
5	4	400	400050604					7
6	4	400	400050705					

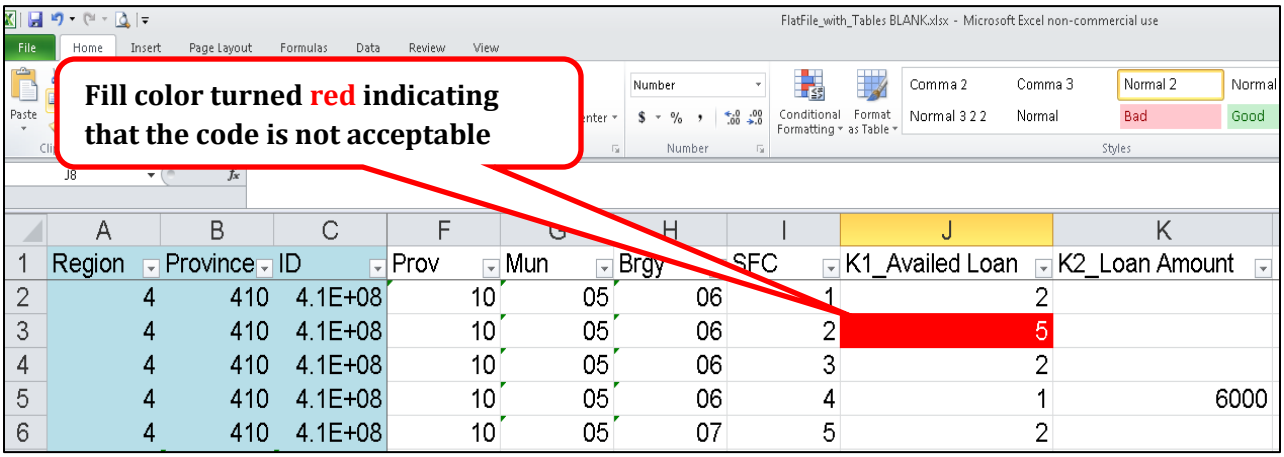
Block K

1. **Availed loan for camote production -** if “yes” (code 1) there should be entries in Column K. Acceptable codes are 1 and 2 only.

Illustration 60



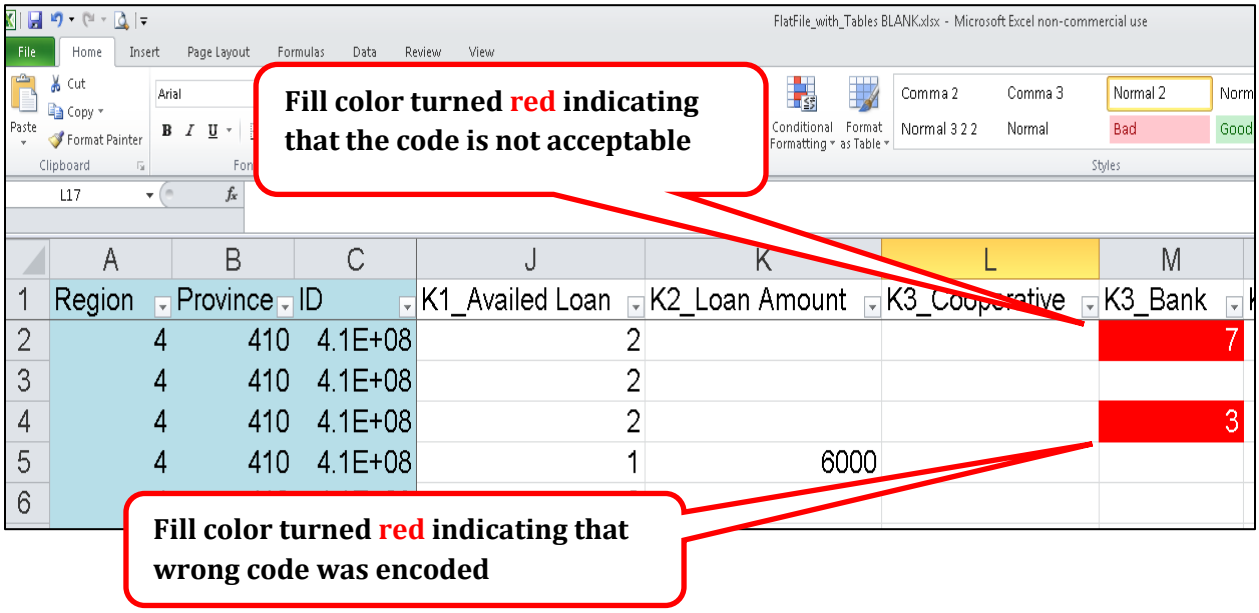
	A	B	C	F	G	H	I	J	K
1	Region	Province	ID	Prov	Mun	Brgy	SFC	K1_Availed Loan	K2_Loan Amount
2					05	06	1	2	
3					05	06	2	2	100
4					05	06	3	2	
5					05	06	4	1	6000
6					05	07	5	1	0
7			#VALUE!	#VALUE!					



	A	B	C	F	G	H	I	J	K
1	Region	Province	ID	Prov	Mun	Brgy	SFC	K1_Availed Loan	K2_Loan Amount
2	4	410	4.1E+08	10	05	06	1	2	
3	4	410	4.1E+08	10	05	06	2	5	
4	4	410	4.1E+08	10	05	06	3	2	
5	4	410	4.1E+08	10	05	06	4	1	6000
6	4	410	4.1E+08	10	05	07	5	2	

2. **Major source of code -** acceptable codes for the major source of loan are 1 to 4 only.

Illustration 61

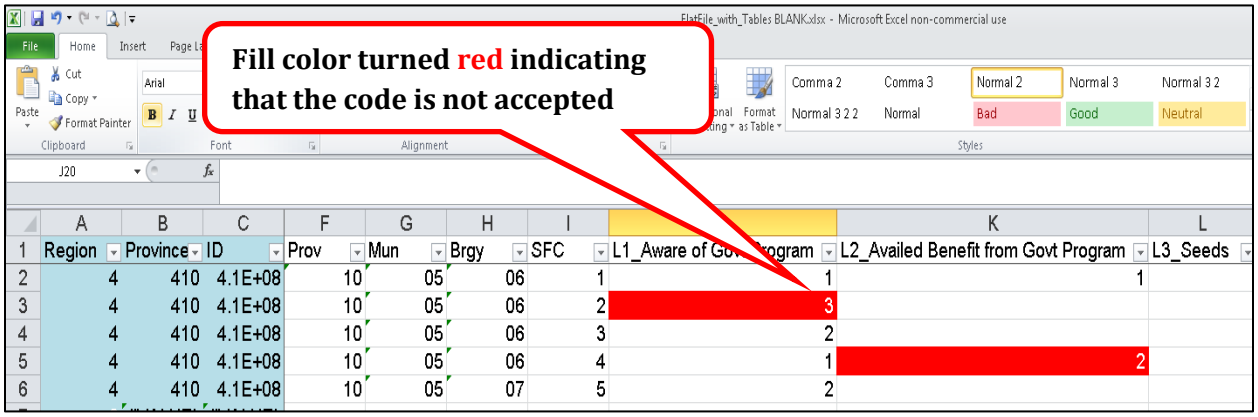


	A	B	C	J	K	L	M
1	Region	Province	ID	K1_Availed Loan	K2_Loan Amount	K3_Cooperative	K3_Bank
2	4	410	4.1E+08	2			7
3	4	410	4.1E+08	2			
4	4	410	4.1E+08	2			3
5	4	410	4.1E+08	1	6000		
6							

Block L

1. **Government program/intervention on camote -** if " yes" (code 1), there should be entries in Column K. Acceptable codes are 1 and 2 only.

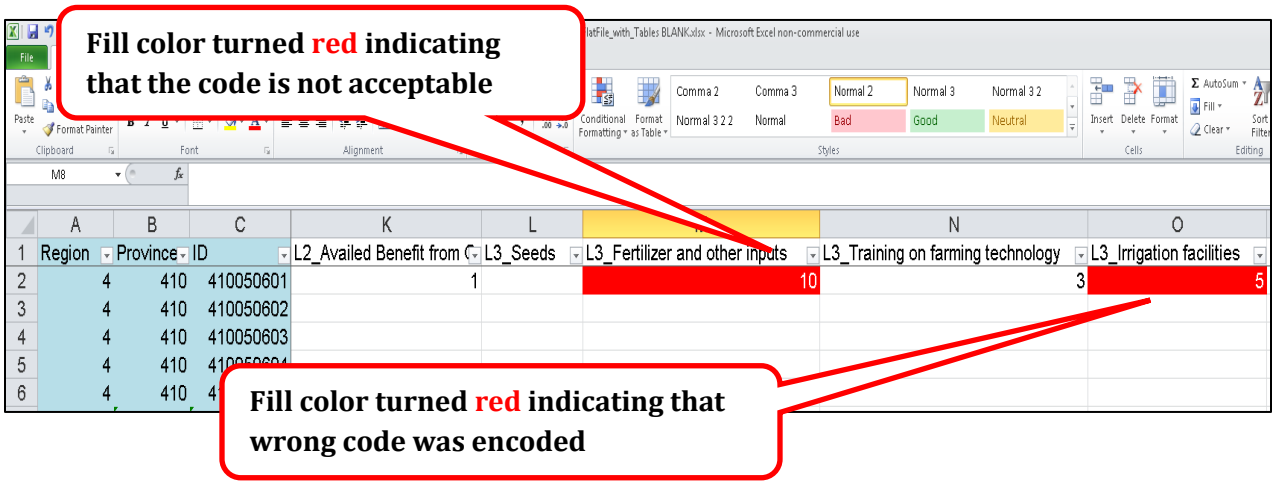
Illustration 62



	A	B	C	F	G	H	I	L1_Aware of Govt Program	K	L
1	Region	Province	ID	Prov	Mun	Brgy	SFC		L2_Availed Benefit from Govt Program	L3_Seeds
2	4	410	4.1E+08	10	05	06	1	1	1	
3	4	410	4.1E+08	10	05	06	2	3		
4	4	410	4.1E+08	10	05	06	3	2		
5	4	410	4.1E+08	10	05	06	4	1	2	
6	4	410	4.1E+08	10	05	07	5	2		

2. **Benefits -** acceptable codes for benefits availed are 1 to 8 only.

Illustration 63

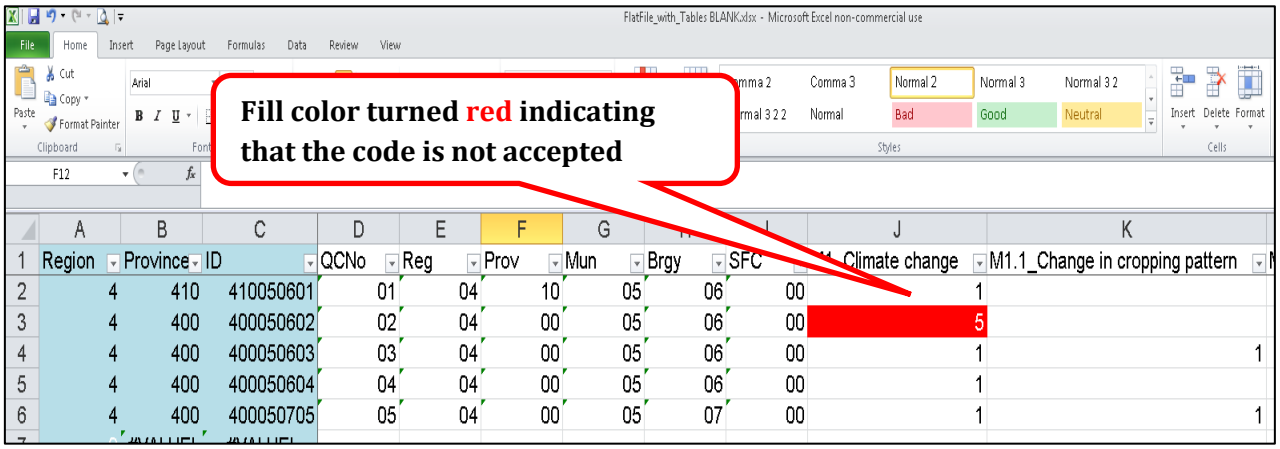


	A	B	C	K	L		N	O
1	Region	Province	ID	L2_Availed Benefit from G	L3_Seeds	L3_Fertilizer and other inputs	L3_Training on farming technology	L3_Irrigation facilities
2	4	410	410050601	1		10	3	5
3	4	410	410050602					
4	4	410	410050603					
5	4	410						
6	4	410						

Block M

1. **Climate Change -** if “yes” (code 1), there should be entry in Column K. Acceptable codes for climate change are 1 and 2 only.

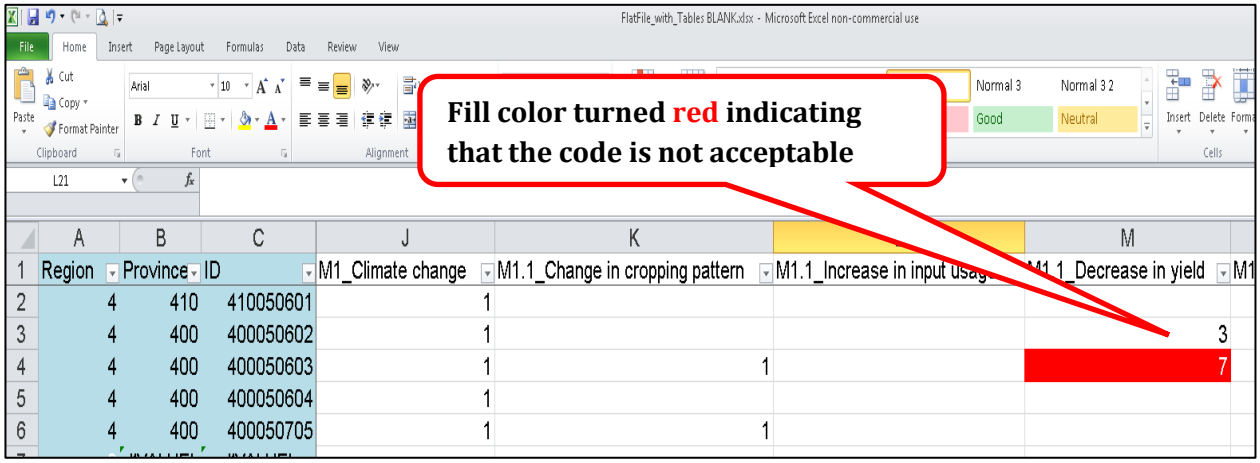
Illustration 64



	A	B	C	D	E	F	G		I	J	K
1	Region	Province	ID	QCNo	Reg	Prov	Mun	Brgy	SFC	Climate change	M1.1_Change in cropping pattern
2	4	410	410050601	01	04	10	05	06	00	1	
3	4	400	400050602	02	04	00	05	06	00	5	
4	4	400	400050603	03	04	00	05	06	00	1	1
5	4	400	400050604	04	04	00	05	06	00	1	
6	4	400	400050705	05	04	00	05	07	00	1	1

2. **Effects -** acceptable codes for the effects of climate change are 1 to 5 only.

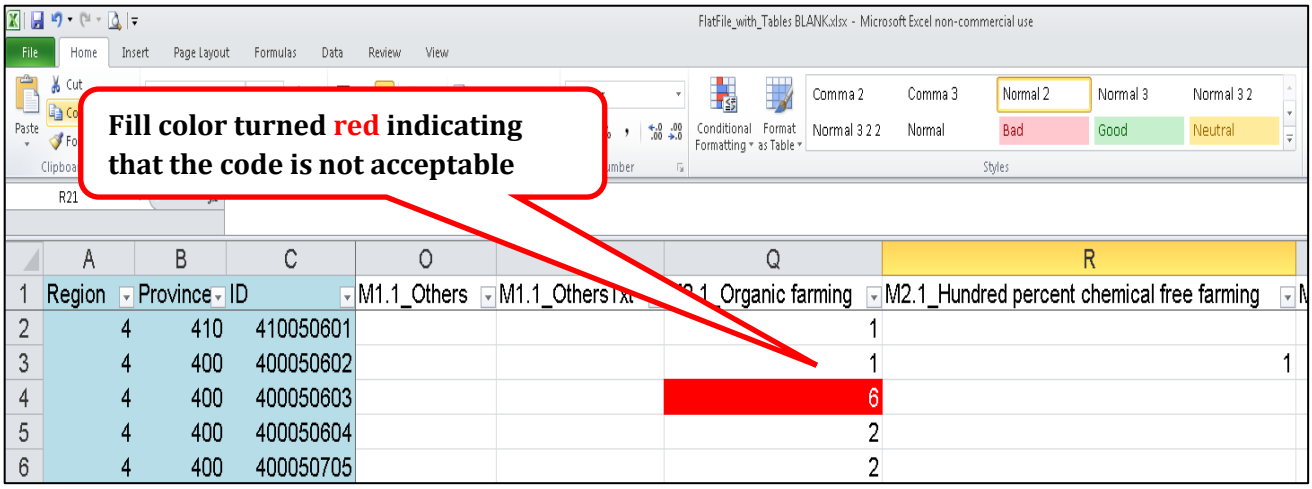
Illustration 65



	A	B	C	J	K	M
1	Region	Province	ID	M1_Climate change	M1.1_Change in cropping pattern	M1.1_Decrease in yield
2	4	410	410050601	1		
3	4	400	400050602	1		3
4	4	400	400050603	1	1	7
5	4	400	400050604	1		
6	4	400	400050705	1	1	

3. **Organic / natural farming method -** if the answer in Column Q is “yes” (code 1) acceptable codes for practices in organic/natural farming are1 to 4 only.

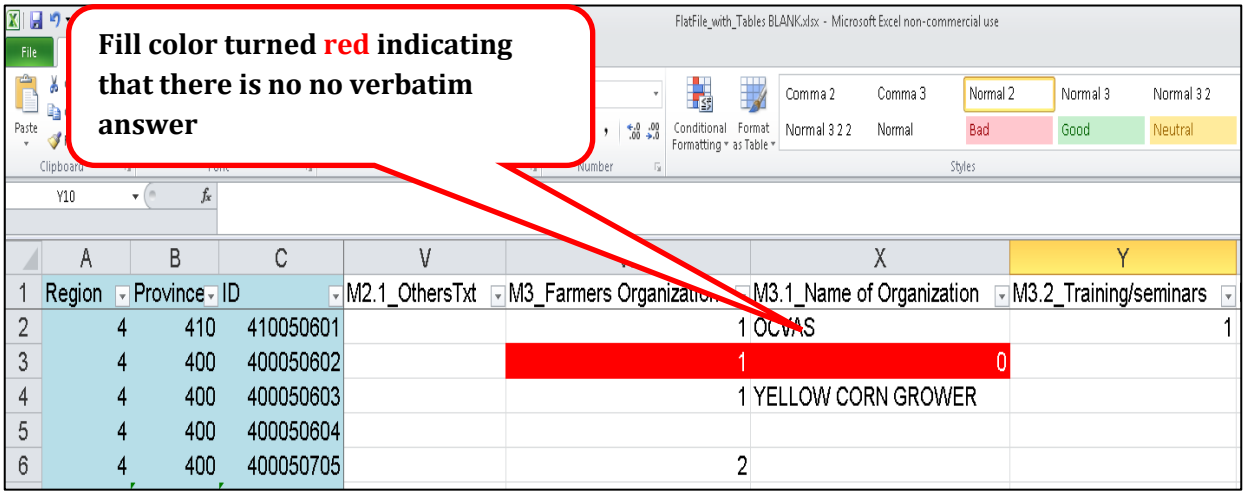
Illustration 66



	A	B	C	O	Q	R
1	Region	Province	ID	M1.1_Others	M2.1_Organic farming	M2.1_Hundred percent chemical free farming
2	4	410	410050601		1	
3	4	400	400050602		1	1
4	4	400	400050603		6	
5	4	400	400050604		2	
6	4	400	400050705		2	

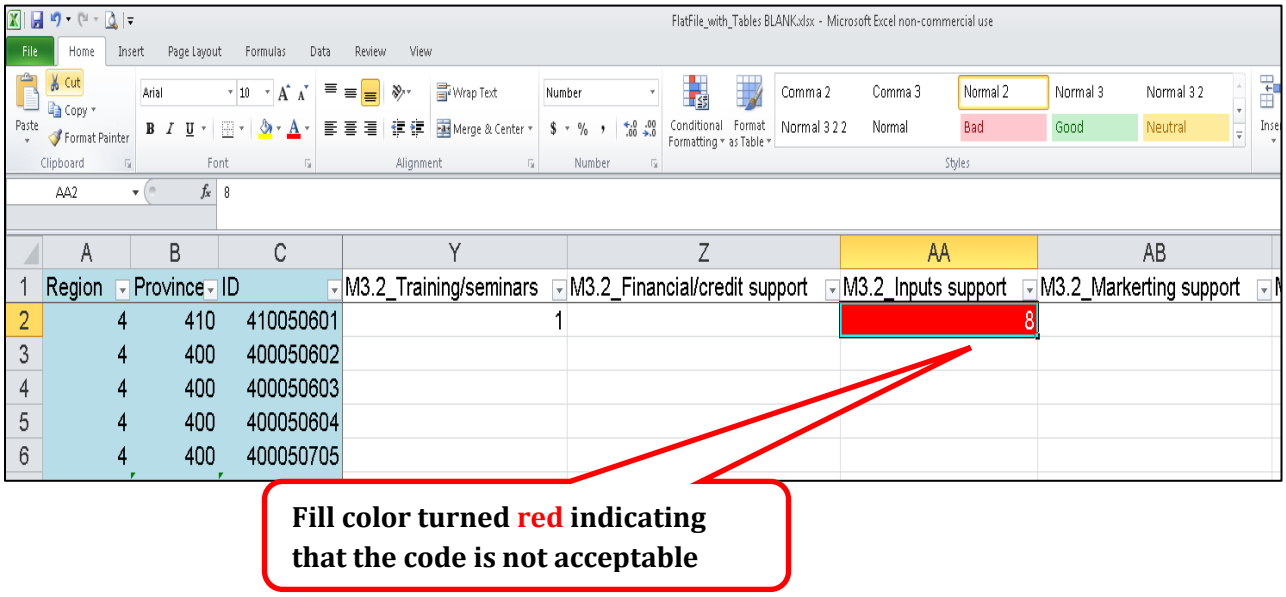
4. **Camote farmers' organization -** if "yes" (code 1), there should be entries in Column X - specify the name of organization.

Illustration 67



5. **Benefit/s received from the organization -** acceptable codes for benefits received from the farmers' organization are 1 to 5 only.

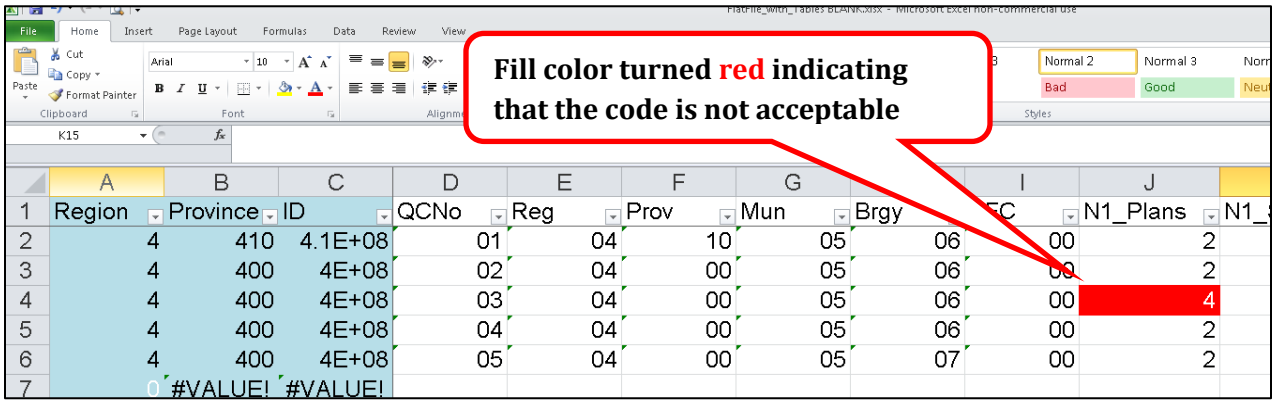
Illustration 68



Block N

1. **Column J -** acceptable codes for plan regarding camote farm operation are 1 to 3 only.

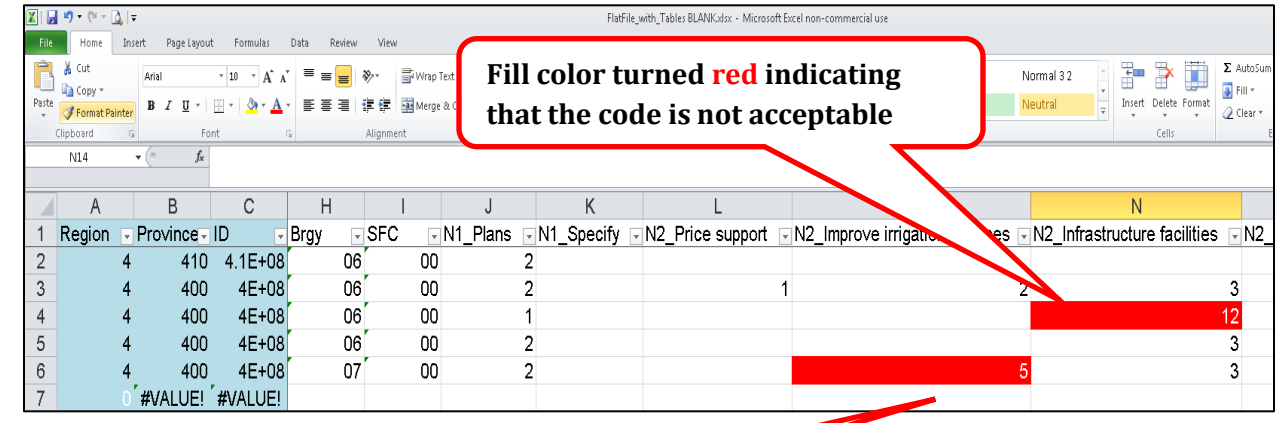
Illustration 69



	A	B	C	D	E	F	G		I	J
1	Region	Province	ID	QCNo	Reg	Prov	Mun	Brgy	FC	N1_Plans
2	4	410	4.1E+08	01	04	10	05	06	00	2
3	4	400	4E+08	02	04	00	05	06	00	2
4	4	400	4E+08	03	04	00	05	06	00	4
5	4	400	4E+08	04	04	00	05	06	00	2
6	4	400	4E+08	05	04	00	05	07	00	2
7	0	#VALUE!	#VALUE!							

2. **Column K -** acceptable codes for recommendations in order to improve camote production are 1 to 10 only.

Illustration 70



	A	B	C	H	I	J	K	L		N
1	Region	Province	ID	Brgy	SFC	N1_Plans	N1_Specify	N2_Price support	N2_Improve irrigatio	N2_Infrastructure facilities
2	4	410	4.1E+08	06	00	2				
3	4	400	4E+08	06	00	2		1	2	3
4	4	400	4E+08	06	00	1				12
5	4	400	4E+08	06	00	2				3
6	4	400	4E+08	07	00	2			5	3
7	0	#VALUE!	#VALUE!							

7.3 ACCURACY CHECK

1. Compute for the following indicators at the household level, then check for minimum, maximum and modal:

    a. **Cropping cycle** – number of months from planting to harvesting

    b. **Seeding rate** – quantity of planting materials per hectare

    Seeding rate may vary by province or depending on the variety/type of seeds.

    c. **Fertilizer application rate** – quantity of fertilizer (in bag of 50 kg) per hectare

    Fertilizer use varies depending on the fertility of the soil. Too much fertilizer can damage the crop.

    d. **Labor utilization rate** – number of mandays per hectare (by activity and by type of labor)

    The number of mandays depend heavily on the type of labor. Man-machine labor can finish the same task with less number days/time compared to man-animal. Likewise man-animal labor can finish the same task with less number days/time compared to man labor only.

    The number of mandays also depend on the quantity of material inputs. For instance, eight (8) bags of fertilizer requires two (2) mandays. It is logical to understand that the fertilizer application of 4 bags can be finished using one (1) manday. Follow similar analysis for different farm activities.

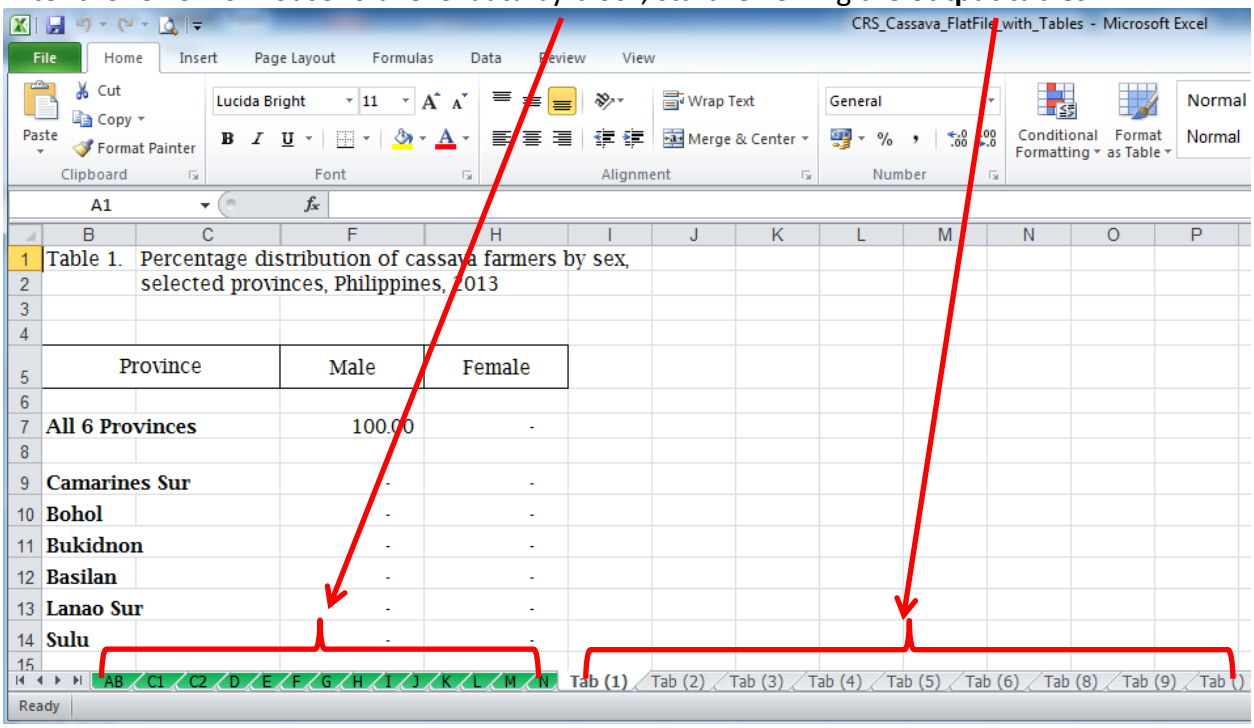
    e. **Value of material input per unit –** it is the total value of material input divide by total quantity

    A good example is the price per unit of seeds or seedlings. A hybrid seed costs higher than that of traditional one.

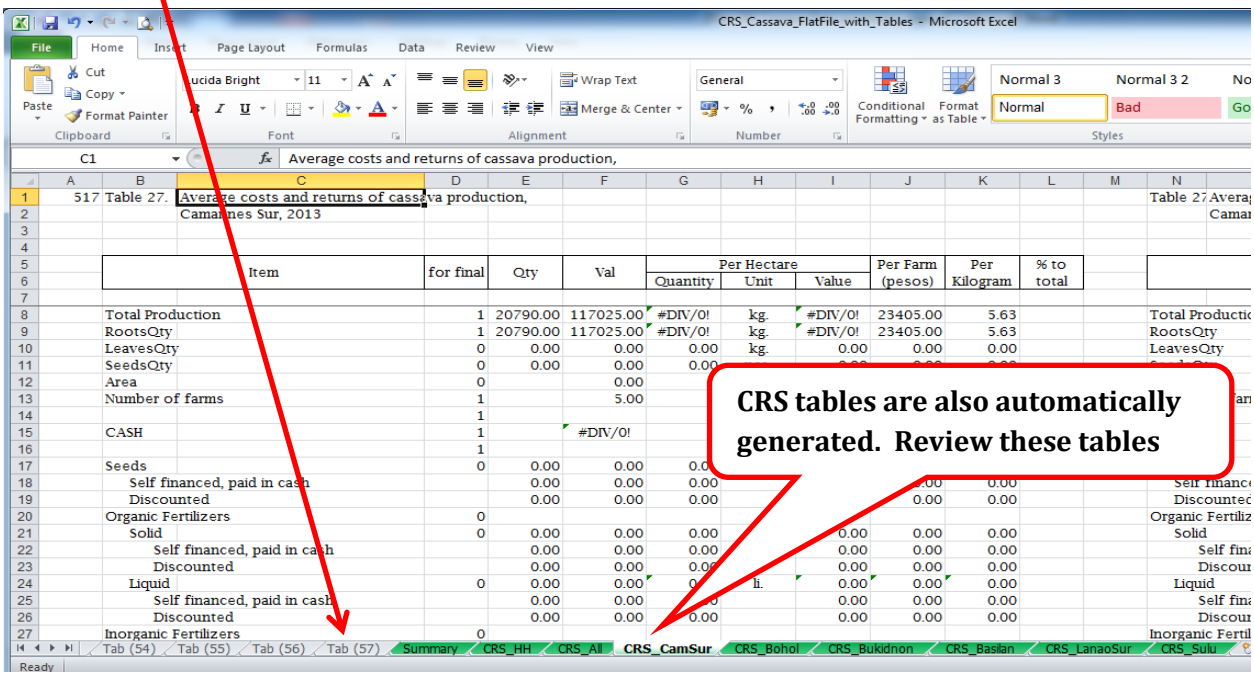
2. Compare the survey results on production per hectare with the CSD data on yield;
3. Compare the gross returns per kilogram with the farm gate price released by AMSAD;
4. Do temporal comparison i.e. 2014 CRS results versus previous CRS results;
5. Do spatial comparison i.e. CRS of one province relative to other provinces

Review of the Output Tables and CRS Tables

After the review of household level data by block, start reviewing the **output tables**



There are 57 output tables that are linked in the household level data.



Corrections shall be done in the household level data that correspond to the data items.

REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY
BUREAU OF AGRICULTURAL STATISTICS