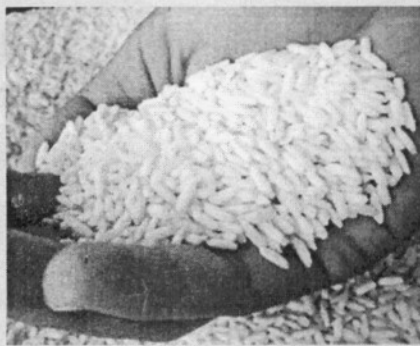


PALAY PRODUCTION SURVEY

July 2008 Round



**DATA
PROCESSING
GUIDELINES**



Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS

I. INTRODUCTION

This document serves as a data processing manual for the Palay Production Survey (PPS) July 2008 Round. It contains the procedures on system installation, accessing the system, data entry, data cleaning, generation of barangay master file and output tables.

For July 2008 Round, the barangay master file will no longer be updated manually. The system was revised to include a program that will automatically update the barangay master file based on the clean and edited data file.

Furthermore, both survey and monitoring provinces will use one updated PPS system and perform the same data processing procedures in order to generate the provincial and barangay estimates.

II. UPDATED PPS SYSTEM INSTALLATION

The PPS updated system is contained in a CD. The steps in installing the updated system into the hard disk particularly in drive C are as follows:

1. Insert the CD in the CD drive.
2. Double click on the **ppsjuly** icon.
3. The set-up wizard will appear; click **Next** to begin installation.
4. Click **Install**.
5. Click on the "**Launch ppsjuly**" checkbox to uncheck the option.
6. Click **Finish** to complete installation of the PPS system.

III. ACCESSING THE UPDATED PPS SYSTEM

The PPS system can be accessed through the following steps:

1. Click on **Start**.
2. Highlight **Programs, Accessories**, then **Command Prompt** (See Figure 1).
3. At the display of the Command Prompt window, type the syntax "**cd ppsjuly**" then press Enter.

C:\Documents and....\>**cd ppsjuly** then [ENTER]

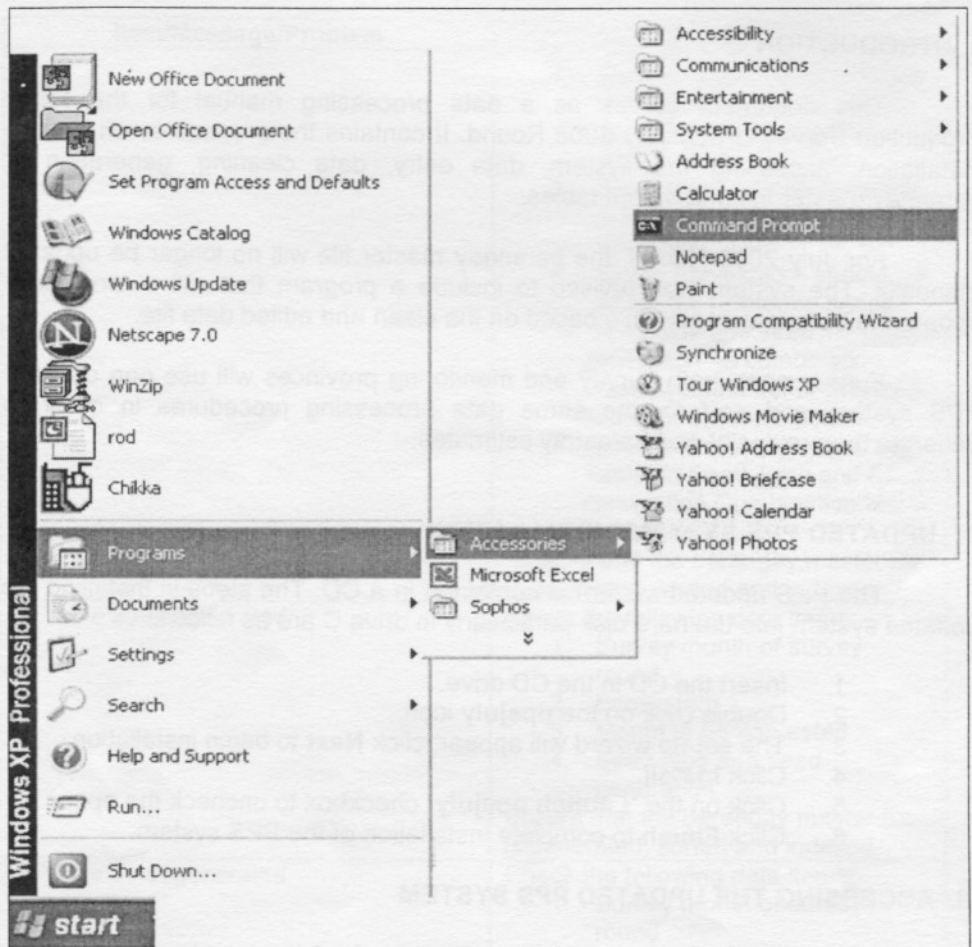


Figure 1: Accessing the DOS Command Prompt

4. At **C:\PPSJULY>** prompt, invoke **PALAY.BAT** by simply typing "**palay**" then press Enter.

C:\PPSJULY>palay then [ENTER]

5. The PPS **Main Menu** will be displayed on the DOS screen where the user can select the desired options to execute. (See Figure 2).

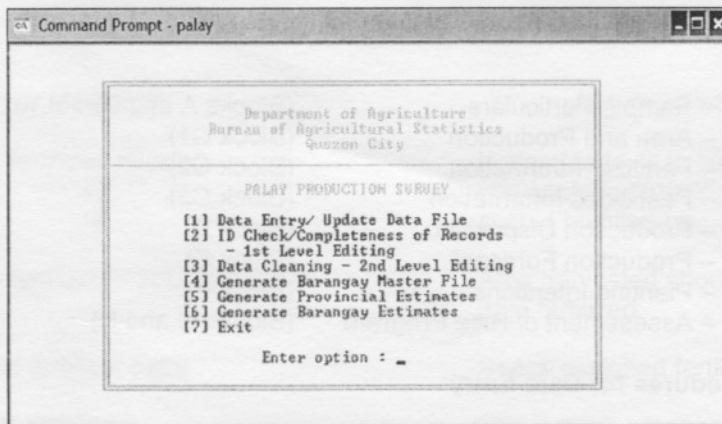


Figure 2. PPS Main Menu

The **PPS Main Menu** is composed of the following options:

- [1] Data Entry
- [2] ID Check/ Completeness of Records – 1st Level Editing
- [3] Data Cleaning – 2nd Level Editing
- [4] Generate Barangay Master file
- [5] Generate Provincial Estimates
- [6] Generate Barangay Estimates
- [7] Exit

IV. DATA ENTRY

Data entry is the process of capturing the data from the source document or from the survey questionnaire transforming into a machine-readable media. The contents of the PPS questionnaire are inputted into the machine using a data entry application program developed in IMPS. The data entry program is composed of eight record types, where each record type represents a corresponding block in the questionnaire. These record types are:

RT 1 – Sample Particulars	(Blocks A and B)
RT 2 – Area and Production	(Block C1)
RT 3 – Fertilizer Information	(Block C2)
RT 4 – Pesticides Information	(Block C3)
RT 5 – Production Disposition	(Block D)
RT 6 – Production Forecast	(Block E)
RT 7 – Planting Intentions	(Block F)
RT 8 – Assessment of Rice Program	(Blocks G and H)

Procedures for Data Entry:

1. Select **option 1** from **Main Menu**.
2. Press any key at the display of the IMPS logo or enter a password.
3. Highlight **B – Centry** then [ENTER].
4. Highlight **E – Enter Data** then [ENTER].
5. Enter Application program : **RICE1** [.AP]
6. Enter Batch file : **PpprdBn** [.BCH]

where:

P – represents Palay raw data file

pp – Province code

rd – Survey round code: **01** for January, **04** for April, **07** for July, **10** for October

B – Represents a Batch file

n – Batch number

Command Prompt - palay

Integrated Microcomputer Processing System (3.0)
U.S. Bureau of the Census

Enter data

Application file: **RICE1** [.AP]

Batch file: **P2702B1** [.BCH]

ID check file: _____

CONCOR editing program: _____ [.EXE]

CONCOR lookup file: _____

F1 - Help F2 - Dictionary F3 - Procedures

Figure 3 : Enter Data Screen

7. Press **F3** to do procedure.
8. Press **Y** to create batch; else, press **N**.
9. Enter Operator's ID.
10. Highlight '**Add to Batch**' then press **[ENTER]** key.
11. Enter data items for Batch screen:

- Region	rr
- Province	pp
- Survey Round	mm-yyyy

where **mm** = **01** for January Round; **04** for April Round; **07** for July Round and **10** for October Round.

Figure 4: Batch Screen

12. If the values entered are correct, press **Y**, else, press **N** and enter the correct values.
13. Enter data items for Questionnaire Screen:

- Municipality Code	xx
- Barangay Code	xxx
- Stratum Code	xx
- Replicate	xx
- Household Weight	999999999 (assume 6 decimal places)
- Questionnaire Number	xx
- Page Number	xx

The household weight has 9 characters, 3 of which are whole numbers and the next 6 are assumed decimal places. For instance, a household weight of 1.000000 should be encoded as 001000000. A household weight of 0.123456 must be encoded as 000123456. A household weight of 3.456789 should be encoded as 003456789.

Command Prompt - palay

ADD Batch=PIEST F1=Help B-Rec= 1 Quest= 1 Q-Rec= 1

PALAY PRODUCTION SURVEY

****NOTE: Use this application for DATA ENTRY PURPOSES ONLY. For UPDATING DATA ITEMS, use RICE2.AP**

QUESTIONNAIRE

Municipality ---

Barangay -----

Stratum -----

Replicate -----

Household weight <6 decimal places>

Questionnaire No. of pages

Figure 5 : Questionnaire Screen

14. Enter data items for each record type.
15. Complete the inputting of all data items found in each page of the questionnaire before proceeding to the next page.

Command Prompt - palay

ADD Batch=PIEST F1=Help B-Rec= 1 Quest= 1 Q-Rec= 1

PALAY PRODUCTION SURVEY

RECORD TYPE 1

B. SAMPLE PARTICULARS ID: 0155-01-001-01-01-001000000-01-01

Enum. Area HSNo.

Name Status

Respondent's name Classification

Informant's name Designation

FARM INFORMATION

Total agric'l area ha Type/s of ecosystem

Total palay farm area ha

Code for 1R RP UP

Did you harvest palay during the period? [1-Yes 0-No]

Figure 6 : Record Type 1 Screen

After the last field in Record Type 1 is filled-up, use the slash (/) key to go to the next household. Do not use the Enter key as it will not create another record for another household. After inputting the five (5) samples in each questionnaire for Record Type 1, press slash (/) and then TAB to go to the next record type which is record type 2. Do the same with the rest of the record types.

Figure 7 : Record Type 2 Screen

Figure 8 : Additional Screen for Record Type 2

Press slash (/) to go to a new blank form and enter the information of the next household. Press TAB to go to the next record type.

Command Prompt - palay

ADD Batch=PTEST B-Rec= 3 Quest= 1
F1=Help Q-Rec= 3

PALAY PRODUCTION SURVEY

RECORD TYPE 3 (Continued...)

OTHER INORGANIC INPUTS APPLIED					
Code	Name	Quantity	Unit	Weight/unit	Volume/unit

ORGANIC INPUTS APPLIED					
Code	Name	Quantity	Unit	Weight/unit	Volume/unit

Figure 9 : Record Type 3 Screen

Command Prompt - palay

ADD Batch=P3787B1 B-Rec= 3 Quest= 1
F1=Help Q-Rec= 3

PALAY PRODUCTION SURVEY

RECORD TYPE 3 ID: 0837-01-001-01-01-00100000-01-01
C2. FERTILIZER INFORMATION EA-HSN :

Quarter** Ecosystem* Did you apply fertilizer...? ☐

Area applied w/ fertilizer

MAJOR INORGANIC FERTILIZER APPLIED (E.G. UREA, AMMOSUL, AMMOPHOS, COMPLETE)

Code	Name	N	P	K	Quantity	Code	Name	N	P	K	Quantity

NEXT FORM -->

** REFERENCE PERIOD: 1 - Jan-Mar 2 - Apr-June 3 - July-Sept 4 - Oct-Dec
* ECOSYSTEM: 1-Irrigated 2-Rainfed 3-Upland

Figure 10 : Additional Form for Record Type 3

Press slash (/) to go to a new blank form and enter the information for the next household. Press TAB to go to the next record type.

Command Prompt - palay

ADD Batch=P3787B1 Quest= 1
F1=Help B-Rec= 4 Q-Rec= 4

PALAY PRODUCTION SURVEY

RECORD TYPE 4 ID: 0837-01-001-01-01-001000000-01-01
C3. PESTICIDE INFORMATION EA-HSN: -

Quarter** Ecosystem Did you apply pesticide...?
Area applied w/ pesticide

Name	Code*/	Quantity	Unit	Weight/unit	Volume/unit

** REFERENCE PERIOD: 1 - Jan-Mar 2 - Apr-June 3 - July-Sept 4 - Oct-Dec
*/PESTICIDE: 1-Insecticide 2-Herbicide 3-Fungicide 4-Rodenticide
5-Molluscicide 6-Nematocide 7-Others

Figure 11 : Record Type 4 Screen

Press slash (/) to go to a new blank form and enter the information of the next household. Press TAB to go to the next record type.

Command Prompt - palay

ADD Batch=P3787B1 Quest= 1
F1=Help D-Rec= 5 Q-Rec= 5

PALAY PRODUCTION SURVEY

RECORD TYPE 5 ID: 0837-01-001-01-01-001000000-01-01
D. PALAY UTILIZATION & DISPOSITION EA-HSN: -

Quarter** Ecosystem*

Sold	H'hold Consumption	Landowner	Harvesters, etc.	Seeds	Loan

Irrigation Fee For Feeds Wastage

** REFERENCE PERIOD: 1 - Jan-Mar 2 - Apr-June 3 - July-Sept 4 - Oct-Dec
* ECOSYSTEM: 1-Irrigated 2-Rainfed 3-Upland

Figure 12 : Record Type 5 Screen

Press slash (/) to go to a new blank form and enter the information of the next household. Press TAB to go to the next record type.

PALAY PRODUCTION SURVEY					
RECORD TYPE 6					
E. PALAY PRODUCTION FORECAST					
ID: 0837-01-001-01-01-001000000-01-01					
ENUM. AREA <input type="checkbox"/> HSN <input type="checkbox"/>					
Do you have have any standing palay?	Ecosystem	Harvest Month	Area to be Harvested	QUANTITY TO BE PRODUCED	
				Total No. of Units	LU Weight/LU
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Month planted Seed type <input type="checkbox"/>		Generation of seeds Area planted <input type="checkbox"/>			

Figure 13 : Record Type 6 Screen

Press slash (/) to go to a new blank form and enter the information of the next household. Press TAB to go to the next record type.

PALAY PRODUCTION SURVEY				
RECORD TYPE 7				
F. PALAY PLANTING INTENTIONS				
ID: 0837-01-001-01-01-001000000-01-01				
ENUM. AREA <input type="checkbox"/> HSN <input type="checkbox"/>				
Do you intend to plant palay?	Ecosystem	Month when Planted	Area to be Planted	Month to be Harvested
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 14 : Record Type 7 Screen

Press slash (/) to go to a new blank form and enter the information of the next household. Press TAB to go to the next record type.

Command Prompt - palay

ADD Batch=P3707B1 F1=Help B-Rec= 8 Quest= 1 Q-Rec= 8

PALAY PRODUCTION SURVEY

RECORD TYPE 8 ID: 0837-01-001-01-01-00100000-01-01
EA-HSN -

<p>G. ASSESSMENT OF PALAY PRODUCTION</p> <p>Was your farm's production the same, larger or smaller than your farm's rice production in the same quarter of last year? <input type="checkbox"/></p> <p>Reason/s for change**</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>	<p>H. FARMER'S PARTICIPATION IN GMA</p> <p>Are you aware of the GMA Rice Program or any other gov't program on rice? <input type="checkbox"/></p> <p>Have you availed of any benefits from GMA Rice Program...? <input type="checkbox"/></p> <p>Program/s availed**</p> <p><input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/></p>
---	---

** Responses can be keyed-in in any order

Figure 15 : Record Type 8 Screen

After the last record for Record Type 8 is keyed-in, press **F7** to save and accept the questionnaire.

Useful Function Keys:

Arrow keys for navigation

Tab

- go to the next record type

F5

- choose next record type from menu

CTRL-F5

- choose next record type (enter value)

F4

- delete current record or questionnaire. Record will be deleted if record screen is displayed. Questionnaire will be deleted if monitor displays the questionnaire screen.

F7

- save questionnaire

*

- duplicate data field of previous record

F1

- help key

16. Upon data entry termination, press ESC.

17. Highlight 'End Batch'; then press [ENTER].

18. Press ESC until Main Menu is reached.

If Data Entry module cannot be accessed, check the path using the syntax below:

1. At C:> type path then {ENTER}.

C:>path [ENTER]

2. Check if **IMPS3** is included in the **PATH** statement.
3. If not, open the autoexec.bat file and include IMPS3 in the path statement. To do this, at C:> prompt type the syntax below:

C:>edit autoexec.bat [ENTER]

At the display of the file, locate the statement PATH, then append at the end of the syntax ;C:\IMPS3 then **Alt F Save**, **Alt F Exit**. However, if the file is blank, type the syntax as follows:

PATH=%PATH%;C:\IMPS3;

Then press **Alt F Save** to save the file; then **Alt F Exit** to go back to the DOS prompt.

4. Reboot the computer.

V. EDITING

Manual editing is the ocular inspection of data items in the questionnaire for possible occurrence of errors while coding is the assigning of numeric codes to data items in the questionnaire. For guidelines on editing and coding, please refer to the PPS Manual on Coding and Editing Guidelines for January 2008 Round.

Computerized editing is the running of a program that will automatically check erroneous variables. The program validates data items as to ranges, consistencies and other editing criteria.

Editing of the PPS data consists of two (2) levels. The first level checks if the ID entered for one sample household is consistent with the ID indicated in the other records of said household. This level also checks if all records pertaining to a sample household have been encoded. There are records that are dependent with each other. For instance, a record on production (Record Type 2) should have corresponding records on disposition and assessment, Record Types 5 and 8, respectively.

The second level of editing is the usual check on valid entries, ranges and consistencies between related items. This level is a more detailed edit because each data item is checked as to its validity and acceptability.

A. FIRST LEVEL EDITING

First level editing concentrates on checking the consistency of Enumeration Area (EA) and Household Serial (HSN) of the questionnaire from page 1 to 8. The error list is divided into 3 parts, namely (a) questionnaire ID in error; (b) error messages and (c) questionnaire in error (this pertains to the whole questionnaire). See illustration below.

1035-02-025-02-02-001000000-05-05-04-2008

-(a)→

RECORD TYPE= 3 OF EAHSN = 00149 NO MATCHING RT1
RECORD TYPE= 4 OF EAHSN = 00149 NO MATCHING RT1
RECORD TYPE= 6 OF EAHSN = 00149 NO MATCHING RT1
RECORD TYPE= 7 OF EAHSN = 00149 NO MATCHING RT1
RECORD TYPE= 8 OF EAHSN = 00149 NO MATCHING RT1
STATUS 10; NO HARVEST BUT NO OTHER RECORDS
FOR EAHSN = 149

(b)

*** QUESTIONNAIRE IN ERROR ***

1-1035-02-025-02-02-001000000-05-05-04-2008-00125
1-1035-02-025-02-02-001000000-05-05-04-2008-00131
1-1035-02-025-02-02-001000000-05-05-04-2008-00137
1-1035-02-025-02-02-001000000-05-05-04-2008-00143
1-1035-02-025-02-02-001000000-05-05-04-2008- 149
3-1035-02-025-02-02-001000000-05-05-04-2008-00125
3-1035-02-025-02-02-001000000-05-05-04-2008-00143
3-1035-02-025-02-02-001000000-05-05-04-2008-00149
4-1035-02-025-02-02-001000000-05-05-04-2008-00125
4-1035-02-025-02-02-001000000-05-05-04-2008-00143
4-1035-02-025-02-02-001000000-05-05-04-2008-00149
6-1035-02-025-02-02-001000000-05-05-04-2008-00143
6-1035-02-025-02-02-001000000-05-05-04-2008-00149
7-1035-02-025-02-02-001000000-05-05-04-2008-00143
7-1035-02-025-02-02-001000000-05-05-04-2008-00149
8-1035-02-025-02-02-001000000-05-05-04-2008-00143
8-1035-02-025-02-02-001000000-05-05-04-2008-00149

(c)

.....

Part (a) – identifies the questionnaire identification number with error

Part (b) – lists all the error messages

Part (c) – lists all records of the questionnaire from page 1 to 8. It must be noted that the first digit in the questionnaire list identifies the record type number. Remember that a record type number corresponds to a particular block in the questionnaire like record type 2 for Block C.1 (current production).

Two Types of Error in First Level Editing

1. Blocks' Inconsistency

Example: **RECORD TYPE= 6 OF EAHSN = 00149 NO MATCHING RT1**

This type of error can be easily identified using Part (C). Check all EA-HSN of record types 1 and 6. The error may either be in record type 1 or 6. Using the example above, 149 in record type 1 must be changed to 00149 in order to correct the error.

2. Status Code Inconsistency

Example:

STATUS 10;NO HARVEST BUT NO OTHER RECORDS FOR EAHSN = 149
STATUS= 55 BUT W/ RECORDS FOR EAHSN =00020
STATUS 10 BUT NO OTHER RECORDS FOR EAHSN =00102
STATUS 10 BUT NO RTYPE 2 & 5 FOR EAHSN =00102

This type of error can be tricky. The error must be checked against the questionnaire itself. The EA-HSN must be checked and also the status code. In most cases the EA-HSN assigned for pages 2 to 8 are mixed-up. Be careful with encoding EA-HSN.

In the first level edit, the raw data as it was encoded is the input used in running the first editing program. The data entry application program that will be used is **RICE1.AP**. No sorting will be done prior to running the editing program.

Take note that all sample ID's must be corrected and completed before proceeding to the second level of editing.

The menu for the first level of editing is shown below.

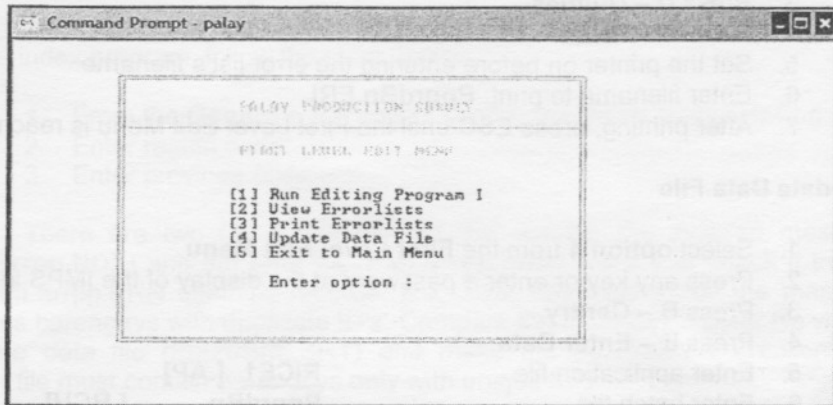


Figure 16. First Level Editing Menu

To run the first level editing program, follow the steps enumerated below.

1. Run Editing Program 1

1. Select **option 2** from the **Main Menu**.
2. Select **option 1** from the **First Level Edit Menu**.
3. Enter input file: **PpprdBn.BCH**
4. Enter output file: **PpprdBn.ERL**

Take note that the extension name of the error list for the first editing level is **.ERL**, to distinguish it from the error list that will be generated in the second level.

2. View Error lists

1. Select **option 2** from the **First Level Edit Menu**.
2. Enter filename to view: **PpprdBn.ERL**.
3. Press **[ESC]** after viewing the file.

3. Print Error lists

You may also opt to print the error list. The steps are as follows:

1. Select **option 3** from the **First Level Edit Menu**.

2. Press any key or enter a password at the display of the IMPS logo.
3. Press **U – Utilities**.
4. Press **P – Print**.
5. Set the printer on before entering the error list's filename.
6. Enter filename to print: **PpprdBn.ERL**
7. After printing, press **ESC** until the First Level Edit Menu is reached.

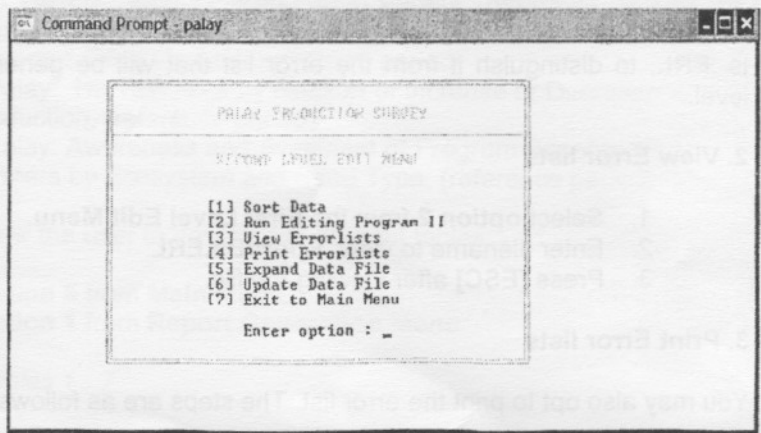
4. Update Data File

1. Select **option 4** from the **First Level Edit Menu**.
2. Press any key or enter a password at the display of the IMPS logo.
3. Press **B – Centry**.
4. Press **E – Enter Data**.
5. Enter application file : **RICE1 [.AP]**
6. Enter batch file : **PpprdBn [.BCH]**
7. Press **F3** to do procedure.
8. Enter Operator's ID.
9. Highlight '**Modify Batch**', then press **[ENTER]**.
10. Proceed with updating the batch based on the corrections reflected in the error lists.

NOTE: Repeat the activities for editing level 1 until all sample ID's are corrected and completed.

B. SECOND LEVEL EDITING

Only after all sample ID's have been corrected and completed in the first level of editing can the data processor proceed with the second level. Unlike in the first level, a sorting activity is involved here where all



records for a particular household are grouped together.

The figure on the left side shows the menu for the second level of editing.

To run the editing program at the second level, the procedures below must be followed.

1. Sort Data File

1. Select **option 3** from **Main Menu**
2. Select **option 1** from **Second Level Edit Menu**
3. Enter input file : **PpprdBn.BCH / PpprdBnE.BCH**
4. Enter output file : **PpprdBnE.SRT**

where *P* – means Palay data file

pp – Province code

rd – Survey round code: **01** for January,
04 for April,
07 for July, **10** for October

B – means a Batch file

N - Batch number

E – means an Edited data file to distinguish it from the data file resulting from the first level edit.

2. Run Editing Program 2

1. Select **OPTION 2** from **Second Level Edit Menu**.
2. Enter Input File Name – **PpprdBnE.SRT**.
3. Enter Barangay master File Name – **Prrpp.NDX**.
4. Enter Output File Name – **PpprdBn.ERR**.

3. View Error list

1. Select **option 3** from the **Second Level Edit Menu**.
2. Enter file name to view.
3. Press **ESC** after viewing the file.

4. Print Error list

Again, you may opt to print the error lists at this level. The steps in printing are provided below.

1. Select **option 4** from the **Second Level Edit Menu**.
2. Press any key or enter a password at the display of the IMPS logo.
3. Press **U – Utilities**.
4. Press **P – Print**.
5. Set the printer on before entering the error list's filename. The error lists from the second level is 150 characters long. So you need to set the pitch control to a compressed number so that printing will not be truncated.
6. Enter filename to print: **PpprdBn.ERR**
7. After printing the error list, press **ESC** until the Second Level Edit Menu is reached.

5. Expand Data File (Fixing Record Length of Data File)

1. Select **option 5** from the **Second Level Edit Menu**.
2. Press any key or enter a password at the display of the IMPS logo.
3. Press **U – Utilities**.
4. Press **E – Expand data file**.
5. Enter input file : PpprdBnE.SRT
6. Enter output file : PpprdBnE.BCH
7. Enter record length : 347
8. Press **ESC** until **Edit Menu** is reached.

6. Update Data File

1. Select **option 6** from the **Second Level Edit Menu**.
2. Press any key or enter a password at the display of the IMPS logo.
3. Press **B – Centry**.
4. Press **E – Enter Data**.
5. Enter application file : RICE2 [.AP]
6. Enter batch file : PpprdBnE [.BCH]
7. Press **F3** to do procedure.
8. Press **Y** to create .BOP; else, press N.
9. Enter **Operator's ID**.
10. Highlight '**Modify Batch**', then press **[ENTER]**.

Proceed with updating the batch based on the corrections reflected in the error lists. Refer to Appendix 1 for the list of error messages and actions to be taken.

Function keys that can be used:

F6	- find questionnaire with error
F7	- save changes made in questionnaire
F4	- delete record/questionnaire
F3	- insert record before current record (then F5 to choose record type)
CTRL+ F3	- insert record after current record (then F5 to choose record type)
CTRL+ PgDn	- proceed to next questionnaire
CTRL+ PgUp	- get back to previous questionnaire
F1	- help

11. After modifying data file, press **ESC**.
12. Highlight '**End Batch**'; then press **[ENTER]**.
13. Press **ESC** until **Edit Menu** is reached.

The PPO may view the error list and then open the data file for updating at the same time so that printing of error lists can be avoided. This can be done by using 2 windows. One window displays the error lists while another window displays the data entry application program used in updating the data file. The operator will shift from one window to the other. This can be done by options 3 and 6 of the **Second Level Edit Menu**.

NOTE: Repeat the activities of sorting, validation and updating of data until the file is error-free.

VI. GENERATION OF THE MASTER FILE OF BARANGAYS

Starting July 2008 round, the barangay master file will be automatically generated. A program will compute the barangay's adjusted weight based on the total and actual number of samples counted from the data file (PpprdBnE.SRT). It is important, therefore, that the data file is thoroughly clean and error-free. That is, all sample ID's have been completed and corrected; and consistencies of data items have been checked.

Proceed with updating the batch based on the corrections reflected in the error lists. Refer to Appendix 1 for the list of error messages and actions to be taken.

Function keys that can be used:

F6	- find questionnaire with error
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CTRL+ PgDn	- proceed to next questionnaire
CTRL+ PgUp	- get back to previous questionnaire
F1	- help

11. After modifying data file, press **ESC**.
12. Highlight '**End Batch**'; then press **[ENTER]**.
13. Press **ESC** until **Edit Menu** is reached.

The PPO may view the error list and then open the data file for updating at the same time so that printing of error lists can be avoided. This can be done by using 2 windows. One window displays the error lists while another window displays the data entry application program used in updating the data file. The operator will shift from one window to the other. This can be done by options 3 and 6 of the **Second Level Edit Menu**.

NOTE: Repeat the activities of sorting, validation and updating of data until the file is error-free.

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Starting July 2008 round, the barangay master file will be automatically generated. A program will compute the barangay's adjusted weight based on the total and actual number of samples counted from the data file (PpprdBnE.SRT). It is important, therefore, that the data file is thoroughly clean and error-free. That is, all sample ID's have been completed and corrected; and consistencies of data items have been checked.

The figure below shows the menu in generating the barangay master file.

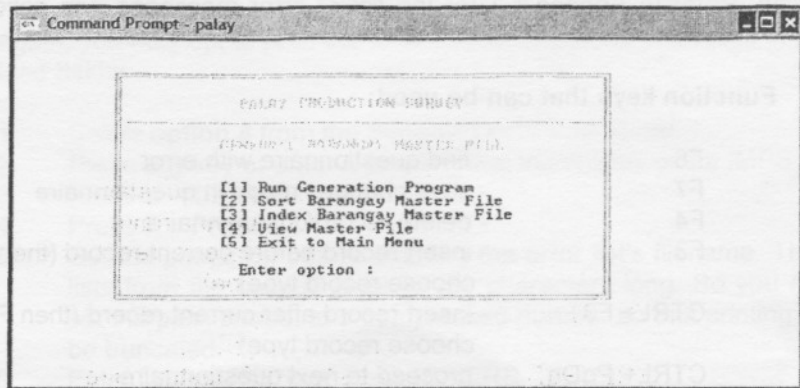


Figure 18. Menu for Generating Barangay Master file

A. RUN BARANGAY MASTER FILE GENERATION PROGRAM

1. Select **Option 4** from **Main Menu**.
2. Select **Option 1** from **Generate Barangay Master file Menu**
3. Enter input file: **PpprdBnE.SRT**
4. Enter barangay master file: **Prrpp.BCH**

where *P* – Palay Production Survey
rr – Region Code
pp – province Code

5. Enter region code.
6. Enter province code.

The output file of this activity is the master file of barangays whose adjusted weights have been computed based on the status code of the sample household. All sample households therefore must be encoded regardless of the status code. View and check the output file, **Prrpp.OUT** if it contains records. If the file is empty, the barangay master file is not generated. Do Section VI-A again.

B. SORT THE MASTER FILE OF SAMPLE BARANGAYS

1. From the **Generate Barangay Master file Menu**, select **Option 2**.
2. Enter region code.
3. Enter province code.

C. INDEX THE MASTER FILE OF SAMPLE BARANGAYS

After sorting the master file of barangays, the file needs to be indexed. To run the index program, follow the steps below:

1. From the **Generate Barangay Master file Menu**, select **option 3**.
2. Enter region code.
3. Enter province code.

There are two (2) output files of this activity, the indexed master file (**PMLSrpp.NDX**) and the print file (**PMLSrpp.PRN**). View and check if the print file, PMLSrpp.PRN contains records. If it does, this means that the master file contains barangays with duplicate ID's. Compare the barangay master file vis-à-vis with the data file (PpprdBnE.SRT) and make the necessary corrections. The master file must contain barangays only with unique ID's.

D. VIEW THE MASTER FILE

1. Select **option 4** from **Generate Barangay Master file Menu**.
2. Enter filename to view: **Prrpp.OUT/ PMLSrpp.SRT/ PMLSrpp.PRN**

There are three output files that you can view from the process of generating the barangay master file. These are 1) the generated barangay master file (**Prrpp.OUT**), 2) the sorted generated barangay master file (**PMLSrpp.SRT**), and 3) the print file after indexing the master file (**PMLSrpp.PRN**). You are advised to view these files in order to check if they contain records or not. If Prrpp.OUT or PMLSrpp.SRT is empty, you have to run the generation program again and then sort. On the other hand, if PMLSrpp.PRN is empty, it means the barangay master file is clean and ready for tabulation purposes.

VII. GENERATE OUTPUT TABLES

It must be noted that before running any of the tabulation programs, ensure that the data file is totally clean and the master file of barangays has been generated. Otherwise, report generation will fail.

A. Provincial Estimates

The thirteen (13) output tables generated by the system are listed as follows:

Table 1. Palay: Physical Area, Production, Harvest Area & Yield,
(reference period)

-
- Table 2. Palay: Production, Harvest Area & Yield Forecast, (reference period)
 - Table 3. Palay: Planting Intentions and Expected Harvest Area, (reference period)
 - Table 4. Palay: Quantity of Yield Enhancing Inputs Applied by Ecosystem, Seed Type, Fertilizer Grade, (reference period)
 - Table 5. Palay: Quantity of Yield Protecting Inputs Applied by Ecosystem, Type of Input and Seed Type, (reference period)
 - Table 6. Palay Utilization and Disposition of Production (in kilograms), (reference period)
 - Table 7. Palay: Seed Use by Method of Crop Establishment, Ecosystem and Seed Type, (reference period)
 - Table 8. Palay, Actually Irrigated VS. not Actually Irrigated production, Harvest Area and Yield by Type of Irrigation Facilities, (reference period)
 - Table 9. Palay: Production, Harvest Area and Yield by Farm Size, (reference period)
 - Table 10. Palay: Production, Harvest Area and Yield by Month Planted and Month Harvested, (reference period)
 - Table 11A. (Hybrid) Palay: Production, Harvest Area and Yield by Seed Type and Seed Variety, (reference period)
 - Table 11B. (Modern Inbred) Palay: Production, Harvest Area and Yield by Seed Type and Seed Variety, (reference period)
 - Table 11C. (Good Seeds) Palay: Production, Harvest Area and Yield by Seed Type and Seed Variety, (reference period)
 - Table 11D. (Farmers Produced Seed) Palay: Production, Harvest Area and Yield by Seed Type and Seed Variety, (reference period)
 - Table 11E. (Native) Palay: Production, Harvest Area and Yield by Seed Type and Seed Variety, (reference period)
 - Table 12. Palay: Harvest Area by Reason of Increase or Decrease in Production, (reference period)
 - Table 13. Palay: Awareness and Availment of Program Benefits of Farmers by Ecosystem and Seed Type, (reference period)

The steps below allow the user to generate the output tables:

1. Select **Option 5** from **Main Menu**.
2. Select **Option 1** from **Report Generation Menu**

Generate Output Tables 1 - 7

3. Generate Table 1.
 - **Select Option 1 from Output Table Menu.**

- Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp01.TBL**
4. Generate Table 2.
- Select **Option 2** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp02.TBL**
5. Generate Table 3.
- Select **Option 3** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp03.TBL**
6. Generate Table 4.
- Select **Option 4** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Fertilizer File : **F-FILE.BCH**
 - Enter Output File Name : **Ppp04.TBL**
7. Generate Table 5.
- Select **Option 5** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp05.TBL**
8. Generate Table 6.
- Select **Option 6** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp06.TBL**

-
9. Generate Table 7.
 - Select **Option 7** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp07.TBL**
 10. Select **Option 8** to view output tables.
 - Enter File Name of output table.
 - Press **[ESC]** to return to Output Table Menu.

Generating Tables 8 – 13.

11. Select **Option 2** from Report Generation Menu
12. Generate Table 8.
 - Select **Option 1** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp08.TBL**
13. Generate Table 9.
 - Select **Option 2** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp09.TBL**
14. Generate Table 10.
 - Select **Option 3** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp10.TBL**
15. Generate Table 11.
 - Select **Option 4** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name 1: **Ppp11A.TBL**
 - Enter Output File Name 2: **Ppp11B.TBL**

- Enter Output File Name 3: **Ppp11C.TBL**
 - Enter Output File Name 4: **Ppp11D.TBL**
 - Enter Output File Name 5: **Ppp11E.TBL**
 -
16. Generate Table 12.
- Select **Option 5** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp12.TBL**
17. Generate Table 13.
- Select **Option 6** from **Output Table Menu**.
 - Enter Input File Name : **PpprdBnE.SRT**
 - Enter Masterlist File Name: **PMLSrrpp.NDX**
 - Enter Replicate File Name: **RK.NDX**
 - Enter Output File Name : **Ppp13.TBL**
18. View Table
- Select **Option 7** from **Output Table Menu**.
 - Enter File Name of output table.
 - Press **[ESC]** to return to Output Table Menu.

B. BARANGAY ESTIMATES

The output tables by barangay are on current production, production forecast, planting intentions and production disposition. Two types of estimates are generated, expanded and unexpanded. In the expanded barangay estimate, data variables such as area and production are multiplied with the barangay's adjusted weight. The unexpanded barangay estimate is just the actual totals of the barangay.

The steps on how to generate the barangay estimates are as follows:-

1. Generate Table 1 (Current Production)
 - Select **option 6** from the **Main Menu**.
 - Select **option 1** from the **Barangay Estimate Menu**.
 - Enter input file : **PpprdBnE.SRT**
 - Enter barangay master file : **PMLSrrpp.NDX**
 - Enter replicate file : **RK.NDX**
 - Enter output file without expansion : **Ppp01A.TBL**
 - Enter output file with expansion : **Ppp01B.TBL**

2. Generate Table 2 (Production Forecast)
- Select **option 6** from the **Main Menu**.
 - Select **option 2** from the **Barangay Estimate Menu**.
 - Enter input file : **PpprdBnE.SRT**
 - Enter barangay master file : **PMLSrrpp.NDX**
 - Enter replicate file : **RK.NDX**
 - Enter output file with expansion : **Ppp02A.TBL**
 - Enter output file without expansion : **Ppp02B.TBL**
3. Generate Table 3 (Planting Intentions)
- Select **option 6** from the **Main Menu**.
 - Select **option 3** from the **Barangay Estimate Menu**.
 - Enter input file : **PpprdBnE.SRT**
 - Enter barangay master file : **PMLSrrpp.NDX**
 - Enter replicate file : **RK.NDX**
 - Enter output file with expansion : **Ppp03A.TBL**
 - Enter output file without expansion : **Ppp03B.TBL**
4. Generate Table 6 (Production Disposition)
- Select **option 6** from the **Main Menu**.
 - Select **option 4** from the **Barangay Estimate Menu**.
 - Enter input file : **PpprdBnE.SRT**
 - Enter barangay master file : **PMLSrrpp.NDX**
 - Enter replicate file : **RK.NDX**
 - Enter output file with expansion : **Ppp06A.TBL**
 - Enter output file without expansion : **Ppp06B.TBL**

VIII. GUIDELINES IN PRINTING THE OUTPUT TABLES IN MS EXCEL

The output tables are in text format. They need to be converted into EXCEL as these tables have long widths. However, prior to exporting it to EXCEL, the output file must be expanded first. The steps below help you convert the output files into EXCEL format:

A. Converting Output Tables from Text Format to EXCEL-accessible Format

1. From the sub-directory **C:\PPSJULY>**, type **IMPS** then press **[ENTER]**.
2. Press **[ENTER]** or type your password at the display of the **IMPS** logo.
3. From **IMPS** menu, select **U – Utilities** then press **[ENTER]**.
4. From **IMPS Utilities**, select **E- Expand** data file then press **[ENTER]**.
5. Enter the file name to expand, for example, **Ppp01.TBL**.
6. Enter the output file name, for example, **Ppp01.PRN**.
7. Enter the record length, that is, **260**.

Below is a summary of record lengths of the output tables that need to be fixed prior to importing in EXCEL.

Table No.	Record Length
1, 1a, 1b	260
2, 2a, 2b	275
3, 3a, 3b	300
4	280
5	435
6, 6a, 6b	300
7	190
8	280
9	145
10	280
11A-11E	110
12	300
13	230

B. Reformatting the Converted Output Table in MS EXCEL

At this point you can now access the .PRN file in EXCEL. You may reformat the output the way you want or print the output using EXCEL. The other output tables can be converted and printed using these instructions.

1. To open the .PRN file in EXCEL, click **File** then click **Open**.
2. At the "Look in" box, ensure that the **PPSJULY** directory is indicated.
3. At the "File name" box, type *.PRN then press Enter. All files with extension name of .PRN will be displayed in the window.
4. **Double click** on the file that you wish to open.
5. The Text Import Wizard window will appear; click on **Delimited**. Then click **Next**.
6. Click **Tab** to uncheck the option.
7. Click **OTHER**. In the box beside it, type "I" by pressing **Shift** and the backslash "I" key at the same time. Click **Next**.
8. Click **Finish**.
9. At this point, you may now format the output and set **Page Setup**.
10. After page setting, click **File** then click **Save As**.
11. At the "File name" box, remove the quotation marks and the ".PRN" from the filename.
12. At the "Save as Type" box, scroll down and look for **Microsoft Excel Worksheet**. If found, click on it.
13. Click **Save**.

IX. RUNNING PROGRAMS OUTSIDE THE MAIN MENU

In case you encounter problems in data cleaning or tabulation, you may run the program/s outside the PPS system by calling the specific program at DOS prompt, then note any message that will be prompted.

1. From the main menu, select **option 7** to exit from the system.
2. At DOS prompt or **C:\PPSJULY>** prompt, type the program name and press Enter.

Ex. **c:\ppsjuly>PALAY1** then **[Enter]**

Refer to the list below for the names of the programs.

Program Name	Description
PALAY1	Tabulation program for Table 1
PALAY2	Tabulation program for Table 2
PALAY3	Tabulation program for Table 3
PALAY4	Tabulation program for Table 4
PALAY5	Tabulation program for Table 5
PALAY6	Tabulation program for Table 6
PALAY7	Tabulation program for Table 7
PALAY8	Tabulation program for Table 8
PALAY9	Tabulation program for Table 9
PALAY10	Tabulation program for Table 10
PALAY11	Tabulation program for Tables 11a-11e
PALAY12	Tabulation program for Tables 12
PALAY13	Tabulation program for Table 13
PBRGY1	Tabulation program-Table 1 (by barangay)
PBRGY2	Tabulation program-Table 2 (by barangay)
PBRGY3	Tabulation program-Table 3 (by barangay)
PBRGY6	Tabulation program-Table 6 (by barangay)
PCPSEDT1	First level editing program
PPSEDT	Second level editing program
PWEIGHTS	Generation program of barangay master file
BGYSRT	Sort program for barangay master file
BGYNDX	Indexing program for barangay master file
RCPSORT	Sort program for PPS data file

3. Take note of the message that will be displayed. For description of the message and its solution, see Appendix 2. Appendix 2 lists frequently encountered problems and solutions.

X. OTHER DIRECTIVES

The PPO shall provide the ICTD, Central Office with the following:

1. **Soft copy of the raw data file - PpprdBn.BCH**
2. **Soft copy of the clean and sorted data file – PpprdBnE.SRT**
3. **Soft copy of the original master file of barangays – Prppp.SRT**
 - a. **Soft copy of the generated output tables**

The required output/data files can be sent through e-mail or through mails in the form of diskettes (e-mail address – **sdos_bas@yahoo.com**). Submission shall be on or before the **Provincial Data Review**.

Appendix 1
Second Level Edit Error Messages and Actions to be Taken
Palay Production Survey

Error Message	Action to be Taken
1. Invalid province code	Check province code in the PSGC or master list
2. Barangay ID not found in barangay master file	Check ID against the list of the barangay master file. Correct the ID in the data file.
3. Name of sample farmer missing	This field item should be filled-up.
4. Respondent name missing	If sample status is 10-20 & 51, this field should be filled-up. If sample status is 52-55, this item may not be filled up.
5. Invalid respondent code	Check if code is from 1-3 only.
6. Invalid sample status	Check if code is 10/20 or 51-55.
7. Status is palay household but palay area = zeros	If sample status is 10, check that palay farm area has a value.
8. Non-palay household but palay area is filled-up	If sample status is 20, palay farm area should be zero. Else, check if sample farmer harvested palay or has any standing palay (Block E) or intend to plant palay (Block F). If so, change status to 10.
9. Informant's name missing	If sample status is 52-55, this item should be filled-up.
10. Informant designation invalid	If sample status is 52-55, check if code is between 1 and 2.
11. Palay farm area missing but total farm area not zeros	If sample status is 10, there should be an entry for palay farm area.

Error Message	Action to be Taken										
12. Palay area > total farm area	Palay farm area should be < or = total farm area.										
13. Palay farm area not zeros but sample status not 10	Check sample status.										
14. Did not harvest palay but ecosystem is filled-up.	Change code to 1-Yes.										
15. Harvested palay but ecosystem is blank	Ecosystem should be filled-up.										
16. Invalid ecosystem	Valid ecosystem codes are 1-3.										
17. Invalid quarter code	Quarter code will depend on the reference period. <table> <tr> <th>Reference Period</th><th>Quarter</th></tr> <tr> <td>Jan-March</td><td>1</td></tr> <tr> <td>Apr-June</td><td>2</td></tr> <tr> <td>July-Sept</td><td>3</td></tr> <tr> <td>Oct-Dec</td><td>4</td></tr> </table>	Reference Period	Quarter	Jan-March	1	Apr-June	2	July-Sept	3	Oct-Dec	4
Reference Period	Quarter										
Jan-March	1										
Apr-June	2										
July-Sept	3										
Oct-Dec	4										
18. Invalid month harvested	Check if the harvest month is within the reference period.										
19. Invalid month planted	Check if planting month is within the planting season corresponding the reference period.										
20. Area planted < area harvested	Area planted should be > or = area harvested.										
21. Area harvested > total farm area	Area harvested should be < or = total farm area.										
22. Area planted > total farm area	Area planted should be < or = total farm area.										
23. Total no. of units missing	Check if this field has an entry.										
24. Local unit missing	Unit of measure must be filled-up.										

Error Message	Action to be Taken
25. Weight/LU missing	Weight per local unit must be filled up and should be in kilograms.
26. Invalid seed type/class	Valid codes are 1-6 for palay
27. Invalid generation of seeds	For palay seed types 1-5, seed generation codes are 1-2. If seed type 6 or native, seed generation should be blank.
28. Invalid variety code	Check the list of rice varieties for the correct code.
29. Variety name missing	Check the list of rice varieties for the corresponding variety name.
30. Invalid crop establishment	Valid codes are 1-2 only.
31. Quantity of seeds used missing	This field should be filled-up.
32. Unit of measure for seeds missing	This field should be filled-up.
33. Weight/LU for seeds missing	Weight/LU should be filled-up and in kilograms.
34. Seeding rate exceed level	<p>Compute seeding rate = (total no. of units x weight/LU) / area planted. Below is the recommended seeding rate:-</p> <p>1st generation seeds transplanting – 20-65 kg/ha direct seeding – 40-85 kg/ha 2nd generation seeds transplanting – 70-85 kg/ha direct seeding – 100-150 kg/ha</p>
35. Invalid irrigation facility	Check irrigation facility codes.
36. Column 29 missing	Valid responses are 0 and 1 only.
37. Adequacy of irrigation invalid	Valid codes are 1-3.

Error Message	Action to be Taken
38. Area fertilized missing	If Yes (code 1) to question on "did you apply fertilizer?", area fertilized should be filled-up.
39. Area fertilized < area harvested	Area harvested should be = or < area fertilized.
40. Invalid fertilizer code	Check assigned fertilizer code.
41. N-P-K missing	Check if the nitrogen, phosphorus & potassium contents are filled-up.
42. Quantity missing	Check that quantity of fertilizer or pesticide applied is filled-up.
43. Weight/volume per unit missing	If the fertilizer/pesticide is in solid form, weight/unit should be filled-up in kilograms. If the fertilizer/pesticide is in liquid form, volume/unit should be filled up in liters.
44. Area applied w/ pesticide < area harvested	Area harvested should be < or = area applied.
45. Name of pesticide missing	This field should be filled-up.
46. Invalid pesticide code	Each pesticide indicated should be classified. Classification codes are 1-7.
47. Total production not = total disposition	The sum of all types of disposition should equal total production.
PRODUCTION FORECAST	
48. Area to be harvested > area planted	For production forecast, area to be harvested should be = or < area planted.
49. Area to be harvested > total farm area	Area to be harvested should be = or < total farm area in RT 1

Error Message

Action to be Taken

50. Area planted > total farm area

Area planted should be = or < total farm area in RT 1.

PLANTING INTENTIONS

51. Area to be planted > total farm area

Area to be planted should be = or < total farm area in RT 1.

ASSESSMENT ON PRODUCTION

52. Reason for change missing

This field should be filled up if the assessment is 2 or 3.

53. Invalid answer to "are you aware of the GMA Program...?"

Valid responses are 0 and 1.

54. Invalid answer to "have you availed of any benefits from GMA program?"

Valid responses are 0 and 1.

55. GMA Program missing

This item should be filled-up if answer to "have you availed of any benefits...?" is 1 or Yes.

56. Invalid code for reason/s

Check assigned codes for reasons for change in production.

57. Invalid GMA program code

Check assigned codes for GMA programs.

Appendix 2

Frequently Encountered Problems and Solutions

Item/Message/Problem	Solution
1. RL: File status 92 on <Filename>	The indicated filename is incorrect or not found in the directory. Check the entered filename if correctly typed.
2. RL: File status 94 on <Unopened File>	The indicated filename is incorrect. Check the filename entered. Or the file may be corrupted. This usually occurs in .NDX files. If the file is RK.NDX, copy the RK.NDX in the PPS or CPS directory whichever is installed in the computer or you may copy it from the system CD. If the filename in error is the barangay master file, generate the master file again by following the procedures discussed in Section VI.
3. Subscript error or subscript out of range	This occurs on different data items depending on the table being generated. Probable cause is the assignment of code. Check the data items expected from specific tables. Most common data items to be checked are survey month, quarter code, month of harvest, month of planting, seed type or class and generation of seeds. Check if these data items have valid codes.
4. No table generated	This error may be due to master file error or subscript error. Master file error means it was not generated, sorted and indexed. Make sure that the master file is generated, sorted and indexed. Subscript error is caused by one or two data items with error (see item 3).
5. Table 1 not generated	Check the following data items:- 1. Survey month of survey round- it should match the reference period, i.e. 01 for January Round, 04 for April Round, 07 for July Round, and 10 for October Round

Item/Message/Problem	Solution
	<ol style="list-style-type: none"> 2. Quarter code – should match the reference period, i.e. 1 – Jan-Mar, 2 – Apr-June, 3 – July-Sept, 4 – Oct-Dec 3. Ecosystem – valid codes are 1-3. Blank ecosystem is not accepted. 4. Month harvested – should fall within the reference period 5. Seed type and seed generation –a combination of these two data items will result to a different classification of seeds in the output table. See Table on Seed Type and Seed Generation Combination below for details. <p>-Ensure that the barangay master file is generated, sorted and indexed.</p>
6. Table 2 not generated	<p>Check the following data items: -</p> <ol style="list-style-type: none"> 1. Survey month of survey round 2. Ecosystem 3. Month to be harvested 4. Seed type and seed generation <p>Ensure that the barangay master file is generated, sorted and indexed.</p>
7. Table 3 not generated	<p>Check the following data items:-</p> <ol style="list-style-type: none"> 1. Survey month of survey round 2. Ecosystem 3. Month to be planted 4. Month to be harvested <p>Ensure that the barangay master file is generated, sorted and indexed.</p>
8. Table 4 not generated	<p>Check the following data items:-</p> <ol style="list-style-type: none"> 1. Survey month of survey round 2. Ecosystem 3. Seed type and seed generation 4. Fertilizer code <p>Ensure that the barangay master file</p>

Item/Message/Problem	Solution
9. Table 5 not generated .	Check the following data items:- 1. Survey month of survey round 2. Ecosystem 3. Seed type and seed generation 4. Pesticide group code Ensure that the barangay master file is generated, sorted and indexed.
10. Table 6 not generated	Check the following data items:- 1. Survey month of survey round 2. Ecosystem Ensure that the barangay master file is generated, sorted and indexed.
11. Table 8 not generated	Check the following data items:- 1. Survey month of survey round 2. Irrigation facility code Ensure that the barangay master file is generated, sorted and indexed.
12. Invalid Bgy-Exp <Barangay Code>	The indicated barangay code is not found in the master file. Check the indicated code against the list of the barangay master file. Correct the ID in the data file and sort it again.

Table on Seed Type and Seed Generation Combination

Type /Class of Seed		Seed Generation	Table Output – Type of Seed
Name	Code	Code	
Hybrid	1	1	Hybrid
MI-Foundation	2	1	MI-Foundation
MI-Registered	3	1	MI-Registered
MI-Certified	4	1	MI-Certified
Good Seeds	5	1	Good Seeds
Native	6	No code	Native
Hybrid	1	2	Farmer's Seeds
MI-Foundation	2	2	Farmer's Seeds
MI-Registered	3	2	Farmer's Seeds
MI-Certified	4	2	Farmer's Seeds
Good Seeds	5	2	Farmer's Seeds

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