REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY

Monthly Palay and Corn Situation Reporting System

Manual of Operations for Supervisors

April 2017

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1. Introduction

The Palay and Corn Production Survey (PCPS) is one of the major agricultural surveys conducted by the Philippine Statistics Authority (PSA). This is conducted in two modules, the Palay Production Survey (PPS) and the Corn Production Survey (CPS).

The data gathered from both modules include actual harvests for the current period and forecasts for the next quarters based on standing crop and planting intentions. Forecast data are subject to changes depending on weather conditions, inputs and outputs, prices and other factors which contribute largely to the deviations of the actual data from the early forecasts. In such case, a close monitoring of the growing conditions and actual plantings of the crop is deemed necessary. This is done through the Monthly Palay and Corn Situation Reporting System (MPCSRS).

Results of MPCSRS are disseminated through a special release on Updates of Palay and Corn Forecasts which is uploaded in the PSA Website.

The supervisors play a significant role in the success of the survey since they are responsible on the performance of the statistical researchers and personnel in their respective areas of assignment. It is essential that the supervisor adhere to prescribed procedures and duties stated in this manual.

This manual aims to provide the supervisors information about the survey, their role as supervisors and guide them to solve problems encountered during field operations. This also serves as a guide for ensuring effective implementation of the survey that will ensure the generation of timely and quality data for palay and corn forecasts.

2. **The Monthly Palay and Corn Situation Reporting System (MPCSRS)**

The MPCSRS primarily aims to:

- update the estimate of the current quarter based on standing crop and forecast for the next quarter based on planting intentions; and
- provide monthly updates on area and production of palay and corn across the country.

The MPCSRS is conducted monthly, in between the PCPS rounds, during February, March, May, June, August, September and November, covering 79 provinces except Batanes but including Zamboanga City and Davao City.

The data gathered include updates of forecasts based on standing crop and actual plantings by ecosystem/type (palay) and seed type/seed class (corn), by stage of crop growth and crop damages. In the event of unusual factors affecting the crop situation in the province during the reference period, the Provincial Statistics Officers (PSOs) take the initiative to include crop damages in their report.

In order to provide more reliable updates on the standing crop and actual plantings, improvements were introduced in the design of the MPCSRS with respect to the data collection schedule, coverage, data items, questionnaire layout, estimations and data processing. These enhancements were enforced starting February 2009.

The Statistical Researchers (SRs) are hired to gather data. The SRs conduct data collection based on the schedule below.

Table 1. MPCSRS Reporting Months and Cut-off Dates

Reporting Month	Data Collection	Cut-off Dates
February	February 1-5	January 1- 31
March	March 1-5	January 1 - February 28
May	May 1-5	April 1 - 30
June	June 1-5	April 1 – May 31
August	August 1-5	July 1 – 31
September	September 1-5	July 1- August 31
November	November 1-5	October 1 - 31

3. Survey Methodology

3.1 Sampling Design

The MPCSRS uses the Palay and Corn Production Survey (PCPS) frame. There are four (4) replicates of the PCPS but the MPCSRS covers only one (1) replicate barangays. The MPCSRS employs a two-stage stratified sampling with the barangay as the primary sampling unit (psu) and the households as the secondary sampling unit (ssu).

The number of sample barangays for each province varies based on palay and corn production. The provinces were classified into six (6) groups covering a predetermined number of sample barangays:

Classification	No. of Sample Barangays
1. Major palay, major corn	10 palay, 10 corn
2. Major palay, minor corn	10 palay, 5 corn
3. Minor palay, major corn	5 palay, 10 corn
4. Minor palay, minor corn	5 palay, 5 corn
5. Major palay, non-corn	10 palay, no corn
6. Minor palay, non-corn	5 palay, no corn

The selection of the 4-25 sample households is the same with that of the PCPS.

3.2 Estimation Procedure

3.2.1 Stratum Estimates

Each replicate (represented by the PSU) in a stratum will yield an independent estimate that will be used for the stratum. For the kth barangay/PSU in the jth stratum of the ith province, the independent estimate of the total is obtained by the weighted sum of the observations from the sample farming households, given by the equation:

$$X'_{ijk} = w_{ijk} \sum_{l=1}^{n_{ijk}} x_{ijkl}$$

where x_{ijkl} is the observation from the lth sample farming household of the kth sample barangay in the jth stratum of the ith province.

The unbiased estimate of the total for the jth stratum of the ith province is simply the sum of the independent estimates of the PSU, given by the equation:

$$X'_{ij} = \sum_{k=1}^{b_{ij}} X'_{ijk}$$

The variance for the total of the jth stratum of the ith province is given by:

$$v(X'_{ij}) = \frac{b_{ij}}{b_{ij} - 1} \sum_{k=1}^{b_{ij}} \left(X'_{ijk} - \frac{X'_{ij}}{b_{ij}} \right)^2 (1 - f_{ij})$$

where f_{ij} refers to the sampling rate for the barangays in the jth stratum of the ith province or $f_{ij} = \dfrac{b_{ij}}{B_{ij}}$, with B_{ij} denoting the total number of barangays in the jth stratum of the ith province.

The equation above for the variance is approximately equal to:

$$v(X'_{ij}) = \frac{b_{ij}}{b_{ij} - 1} \sum_{k=1}^{b_{ij}} \left(X'_{ijk} - \frac{X'_{ij}}{b_{ij}} \right)^2$$

if $f_h \approx 0$ or if b_{ij} is very small and B_{ij} is very large.

3.3.2 Provincial Estimates

The estimate of the total for the province is obtained simply by aggregating all the stratum estimates in the province. Hence, the estimate of the total for the ith province is given by:

$$X_i^{'} = \sum_{j=1}^{S_i} X_{ij}^{'}$$

where S_i is the total number of strata in the ith province (domain).

The variance for the total of the ith province is simply the sum of the stratum variances:

$$v\left(X_i^{'}\right) = \sum_{j=1}^{S_i} v\left(X_{ij}^{'}\right)$$

3.2.3 Regional and National Estimates

Estimates of total for the region and for the whole country, together with their respective variances, are obtained by aggregating relevant provincial estimates (for the region) and aggregating relevant regional estimates (for the whole country).

4. Survey Operations Procedures

This section discusses the role of supervisors and strategies in data collection up to data review and validation to ensure the quality of estimates generated. The role of supervisors and strategies in data collection specified in this manual are common across various PSA surveys.

4.1 Role of Supervisors

1. Conduct Statistical Researchers' (SRs) orientation training.

2. Prepare a documentation of the proceedings of the orientation training.

3. Determine respective assignments of SRs under his/her supervision.

4. Conduct spot-checking of the SRs under his/her supervision.

5. Address problems and gray areas reported by the SRs.

6. Monitor the progress of SRs' work.

7. Perform field editing of accomplished survey returns.

8. Ensure that all sample households in the barangays are interviewed.

9. Prepare narrative report on the progress of work and problems encountered during enumeration.

10. Conduct back-checking of SRs' outputs.

11. Review and validate the survey results.

4.2 Data Collection

The method of data collection of the survey is through face-to-face interview of sample household using a structured questionnaire which is undertaken by hired SRs. The survey will be supervised by Provincial Office (PO) personnel based on their respective municipal coverage. The Provincial Statistical Officer (PSO) will be the overall supervisor for the province, while the Regional Director (RD) will be the overall

supervisor for the region. Selected Central Office (CO) personnel may also assist in the field supervision especially at the start of the enumeration.

Field supervisors will see to it that the field operation is running smoothly and within schedule. Part of their work is to observe the SRs, make a follow-up, do spot-check on the interviewers, edit and back-check their work especially when incomplete or inconsistent entries are found. They should always be on top of the situation and be able to address problems that may arise within their supervision areas.

The MPCSRS is being conducted on a monthly basis except for the months of January, April, July and October wherein the PCPS is being conducted. Data collection and submission of reports are based on the schedule in Table 2 below.

Table 2. Schedule of Data Collection and Submission of Reports

Reporting Month	Data Collection	Cut-off Dates	Submission of Reports to CO	Uploading of Special Release to PSA Website
February	February 1-5	January 31	nlt February 18	On or before the 15th day of the following month
March	March 1-5	February 28	nlt March 18	
May	May 1-5	April 30	nlt May 18	
June	June 1-5	May 31	nlt June 18	
August	August 1-5	July 31	nlt August 18	
September	September 1-5	August 31	nlt September 18	
November	November 1-5	October 31	nlt November 18	

nlt – not later than

There is no schedule for MPCSRS in December. This is because it would coincide with the data collection for the PCPS January Round which is done one month earlier than usual, during the first ten days of December to comply with the Philippine System of National Accounts calendar.

The MPCSRS questionnaires consist of three (3) main blocks as follows:

Block A. Sample Identification;

Block B. Update of Current Quarter Area and Production of Standing Crop/Planting
         Intentions; and

Block C – Statistical Researcher and PSO Identification

Detailed instructions in data collection and filling-out of the questionnaire are discussed in the Manual of Operations for Statistical Researchers.

BLOCK A. Sample Identification

This refers to information on the names and codes for the region, province, municipality and barangay, the stratum and replicate numbers that identifies the sample household.

BLOCK B. Update of Current Quarter Area and Production of Standing Crop/ Planting Intentions

Sub-Block B.1 – CURRENT QUARTER'S AREA AND PRODUCTION BASED ON STANDING CROP

This sub-block refers to the quarter's forecast data of the previous PCPS survey round and the data update based on the indications from the sample farmer's present crop situation, including the stage of the crop growth. It also includes plausible reason/s for changes in the latest quarter's forecast.

B. UPDATE OF CURRENT QUARTER AREA AND PRODUCTION OF STANDING CROP / PLANTING INTENTIONS

Line No.	Household Code (EA-HSN)	Complete Name of Sample Agricultural Operator (Last name, first name)	* Sample Status (Indicate Code) If Codes 60 to 74, end interview	First Name of Respondent	** Type/s of Ecosystem (Indicate code)	*** Major type/class of palay seed (Indicate code/s)	AREA (Ha)					PRODUCTION (Sack of 50 kg)		Reasons for Material Change in Area, Production
							Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	Total (Col. 8+Col.9 ......Col.11)	Total Production Forecast	Production of Harvested Crops (Actual)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)

B.1. CURRENT QUARTER'S AREA AND PRODUCTION BASED ON STANDING CROP (spanning columns 6–14)

Rows 1 through 5, each with four blank sub-rows for columns (8)–(14).

Sub-Block B.2 – UPDATE ON CURRENT QUARTER'S PLANTING INTENTIONS

This sub-block refers to the actual plantings with breakdown by stage of crop growth from the beginning of the quarter up to the cut-off date of each survey/reporting month.

L i n e No.	Household Code (EA -HSN)	Type/s of Ecosystem (Indicate code)	Vegetative	Reproductive	Maturing	Total (Col.17+Col.18+Col.19)	Expected Month of Harvest	Reasons for Material Change in Area
(1)	(2)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
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			. __ __	. __ __	. __ __	. __ __		
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			. __ __	. __ __	. __ __	. __ __		

B. UPDATE OF CURRENT QUARTER'S AREA AND PRODUCTION OF STANDING CROP / PLANTING INTENTIONS

B.2. UPDATE ON CURRENT QUARTER'S PLANTING INTENTIONS

Actual Plantings by Stage of Crop Growth (Ha)

BLOCK C – STATISTICAL RESEARCHER AND PSO IDENTIFICATION

This block gathers information about the Statistical Researcher and the Provincial Statistics Officer. It specifically contains their names, signatures, and dates of accomplishing the questionnaire.

C. STATISTICAL RESEARCHER AND PSO IDENTIFICATION

Name and Signature of Statistical Reseacher:_____ Date :_____ Name and Signature of PSO:_____ Date :_____

Prior to data collection, three levels of training are conducted to ensure the quality of data collected. The first level is the operational training which aims to train the selected representatives from the Regional Statistical Services Offices (RSSOs) and Provincial Offices (POs) to be pool of trainers who will be responsible in cascading the operational training in their respective areas. The training will be cascaded to the PSOs (Provincial

Statistics Officers) and palay/corn focal persons at the RSSOs then to the supervisors and statistical researchers at the POs. The first and second levels of trainings are done annually while the third level training is done quarterly. Mock interviews and dry-run exercises are essential parts in the conduct of each level of training.

4.3 Data Processing

Like in the PCPS, the processing of the MPCSRS returns is decentralized. In the operation centers, the reviewed and manually edited questionnaires are encoded in the data entry module of MPCSRS Processing System developed through the Census and Survey Processing System (CSPro). Completeness checks are done to ensure that all sample households of the sample barangays are encoded in the province data file and that data entries are complete. This is followed by editing through checking values of data items and their consistencies within their block and across other blocks. Generation of output tables MPCSRS FORM 1 (Palay) and MPCSRS FORM 2 (Corn) – Regional/Provincial Reports follows. (See Appendix A and Appendix B, respectively**)**

Detailed instructions on data processing is discussed in the MPCSRS Processing Guidelines prepared by the System Development Division (SDD).

4.4 Guidelines in Filling-out the Regional/Provincial Report

The MPCSRS FORM 1 (Palay) and MPCSRS FORM 2 Form (Corn) are provincial summary reports to be submitted to the Central Office copy furnished the
Regional Statistical Service Office (RSSO). It is similar to the PCPS National Review Sheets (NRS) which includes the Regional Data Review (RDR) and Provincial Data Review (PDR). Below are instructions on how to accomplish the regional/provincial reports:

Reporting Month - Month when the report was made which automatically provide by the system.

Region/Province – Name of the region and province automatically provided by the system.

Reference Quarter – Indicated reference quarter of the standing and planting intentions based on the preceding round of the PCPS in the space provided.

PCPS Round - This indicates the latest PCPS round.

4.4.1 Block A. Comparison of Quarter's Present Crop Situation and Last Quarter's Crop Forecast

This block refers to the updated forecast on the standing crop compared to previous PCPS forecast for the province.

Column 1 – Item. This includes data items on production, area and yield per hectare by ecosystem/crop type and by seed class/type.

Column 2 – Last Quarter's Forecast. Enter the validated estimate of the standing crop provided by the Crops Statistics Division after the National Data Review (NDR) of each quarter round.

Columns 3-7 – RDR. The RSSO-consolidated data are entered in these columns based on the submission of the POs.

Columns 8-12 – PDR. The PO-reviewed data are entered in these columns based on the data review and validation undertaken by the Field Supervisors and PSO in the province.

The Provincial Offices (POs) will follow the detailed procedures of data review and validation procedures discussed in Section 5. The PSOs will have to submit through

email the PO-reviewed data to CSD at CO, copy furnished RSSO for their control purposes.

Columns 13-17 – Survey Result. This contains the data generated by the MPCSRS Processing System which will automatically be transferred to Column 13-Total, Column 14-Harvested, Column 15-Vegetative Stage, Column 16-Reproductive Stage and Column 17-Maturing Stage, correspondingly. This will be the basis for review and validation reported in PDR columns.

Columns 18 – Reason/s for Changes in Quarter's Forecast. Provide reason/s for any change in the updated forecast of production, area and yield per hectare compared to that of the standing crop, i.e. Column 2 vs Column 8 for PDR.

4.4.2 Block B. Comparison of Present Plantings and Last Quarter's Planting Intentions

Likewise, the generated output on the actual plantings will automatically be transferred to the Survey Result columns of Block B. Follow the same procedure in Block A.

5. Data Review and Validation

Data review and validation is being done to check data completeness, consistency, accuracy, quality and take into account some situations not captured during the survey. Some points to consider in the conduct of data review and validation based on some actual problems encountered are illustrated in this section.

5.1 Data Review

Data review starts from data collection up to data processing and generation of output tables. The process involves analyzing the survey data in terms of completeness, consistency among variables, trend and concentration of the data and presence of extreme observations. Correction of spotted errors in the data is done afterwards. The output of the process is a clean data file used in the re-computation of survey estimates.

Inputs. In order to facilitate review process, the input materials needed are as follows:

- Masterlist of sample barangays and sample respondents;
- Accomplished and edited survey returns; and
- Output tables generated from the MPCSRS processing system of the previous and current reporting months of the reference quarter.

Review Process. At this stage, review process includes checks on data completeness, data consistency, correcting identified errors and computation of estimates based on clean and reviewed data. Things to consider during data review are the following:

- Completeness of data entries

  All entries in the output tables should be complete where necessary.

- If there is survey result during the reporting month, there should be data entries under PDR columns in MPCSRS FORM 1 (Palay)/ Form 2 (Corn) for both the updated quarter's forecasts based on standing crop (Block A) and actual plantings based on planting intentions (Block B).

MONTHLY PALAY AND CORN SITUATION REPORTING SYSTEM
FEBRUARY 2017
(Reporting Month)

Region: **Northern Mindanao** Reference Quarter: January - March 2017
Province: **Bukidnon** (Quarter's Standing Crop/Planting Intentions)
PCPS Round: January 2017
(JAN/APR/JUL/OCT)

A. COMPARISON OF QUARTER'S PRESENT CROP SITUATION AND LAST QUARTER'S CROP FORECAST

Item	Last Quarter's Forecast	PDR Total	PDR Harvested	PDR Vegetative Stage	PDR Reproductive Stage	PDR Maturing Stage	Survey Result Total	Survey Result Harvested	Survey Result Vegetative Stage	Survey Result Reproductive Stage	Survey Result Maturing Stage	Reason/s for Changes in Quarter's Forecast (Col. 3 and 8 vs Col. 2)
(1)	(2)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
PALAY												
Production (MT)	126,242	126,060	35,480				233,655	88,018				
Hybrid	32,147	32,124	9,644				87,860	50,618				
Inbred-Certified	26,230	26,157	7,022				106,060	28,850				
Farmers'/Good Seeds	67,765	67,679	18,771				39,735	8,550				
Traditional/Native	100	100	43				-	-				
Irrigated	116,569	116,387	32,075				154,510	75,818				
Hybrid	32,147	32,124	9,644				87,860	50,618				
Inbred-Certified	25,006	24,933	6,647				57,750	21,700				
Farmers'/Good Seeds	59,416	59,330	15,784				8,900	3,500				
Traditional/Native	-	0	0									
Rainfed	9,573	9,573	3,362				79,145	12,200				
Hybrid	-						-	0				
Inbred-Certified	1,224	1,224	375				48,310	7,150				
Farmers'/Good Seeds	8,349	8,349	2,987				30,835	5,050				
Traditional/Native	-	0	0									
Upland	100	100	43				-	-				
Inbred-Certified	-	0	0									
Farmers'/Good Seeds	-	0	0									
Traditional/Native	100	100	43				-	-				
Area Harvested (Ha)	28,470	28,464	8,002	0	11,862	8,600	52,851	18,613	-	13,566	20,672	
Hybrid	5,270	5,270	1,581	0	2,219	1,470	15,173	9,463	-	3,500	2,210	
Inbred-Certified	5,746	5,740	1,540	0	2,441	1,759	25,408	6,580	-	5,946	12,882	
Farmers'/Good Seeds	17,384	17,384	4,851	0	7,202	5,331	12,270	2,570	-	4,120	5,580	
Traditional/Native	70	70	30	0	0	40	-	-	-	-	-	
Irrigated	25,560	25,554	6,972	0	11,028	7,554	30,891	15,163	-	6,896	8,832	5.60 has totally damaged due to flashflood.
Hybrid	5,270	5,270	1,581	0	2,219	1,470	15,173	9,463	-	3,500	2,210	
Inbred-Certified	5,436	5,430	1,445	0	2,357	1,628	13,338	4,700	-	2,396	6,242	5.60 has totally damaged due to flashflood.
Farmers'/Good Seeds	14,854	14,854	3,946	0	6,452	4,456	2,380	1,000	-	1,000	380	
Traditional/Native	-	-	0	0	0	0	-	-	-	-	-	
Rainfed	2,840	2,840	1,000	0	834	1,006	21,960	3,450	-	6,670	11,840	No change
Hybrid	-	-	0	0	0	0	-	-	-	-	-	
Inbred-Certified	310	310	95		84	131	12,070	1,880	-	3,550	6,640	
Farmers'/Good Seeds	2,530	2,530	905		750	875	9,890	1,570	-	3,120	5,200	
Traditional/Native	-	-	0	0	0	0	-	-	-	-	-	
Upland	70	70	30	0	0	40	-	-	-	-	-	No change
Inbred-Certified	-	0	0	0	0	0	-	-	-	-	-	
Farmers'/Good Seeds	-	0	0	0	0	0	-	-	-	-	-	
Traditional/Native	70	70	30	0	0	0	-	-	-	-	-	

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- Breakdown of forecasts/estimates should correspond to related items.

  Illustration:

  The breakdown of corn production by variety differed from that of area. There is no corresponding area of the production indicated for hybrid white corn.

- Consistency of the data across portions of the output tables.

  - Under Harvested Column, data on production and area should be lesser than or equal to the corresponding Total production and area.

- The sum of areas harvested and those under vegetative, reproductive, and maturing stages of the crop should be equal to the Total.
- The derived yields based on forecasts/estimates should be consistent by ecosystem and seed class for palay; and by croptype and seed type for corn.

Region: **NEGROS ISLAND REGION (NIR)** Reference Quarter: **JANUARY - MARCH 2017**
Province: **NEGROS ORIENTAL** (Quarter's Standing Crop/Planting Intentions)
 PCPS Round: **PCPS JANUARY 2017 ROUND**
 (JAN/APR/JUL/OCT)

A. COMPARISON OF QUARTER'S PRESENT CROP SITUATION AND LAST QUARTER'S CROP FORECAST

Item	Last Quarter's Forecast	UPDATED QUARTER'S FORECAST										Reason/s for Changes in Quarter''s Forecast (Col. 3 and 8 vs Col. 2)
		P D R					Survey Result					
		Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	
(1)	(2)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Yield per Ha. (MT)	1.10	0.94	0.76				0.80	0.68				Smaller ears harvested due to strong wind and heavy rainfall during vegetative and reproductive stage; some farms were not applied with fertilizer.
Hybrid	3.24	2.80	2.53				#DIV/0!	#DIV/0!				
Modern OPV	1.22	1.05	0.86				1.71	2.28				
Native OPV	0.91	0.78	0.60				0.78	0.58				
White	1.09	0.94	0.75				0.78	0.58				
Hybrid	3.14	2.70	2.21				-					
Modern OPV	1.22	1.05	0.86				#DIV/0!	#DIV/0!				
Native OPV	0.91	0.78	0.60				0.78	0.58				
Yellow	2.55	2.18	2.30				1.53	2.28				
Hybrid	3.50	3.05	3.13				#DIV/0!	#DIV/0!				
Modern OPV	1.94	1.69	1.92				1.71	2.28				
Native OPV	1.38	1.00	1.00				0.60	#DIV/0!				

* For damaged crop, submit corresponding damage report

Yield by ecosystem/seed class (palay):

Irrigated > Rainfed > Upland

Hybrid > Inbred > Farmer's/Good seed > Traditional/Native

Yield by croptype/seed type (corn):

Yellow > White

Hybrid > Modern OPV > Native OPV

- If unusual levels of forecasts are derived, verify and review entries in the questionnaire.

5.2 Data Validation

In the data validation process, data quality checks are being done by investigating the "reviewed" estimates side-by-side with existing information, established facts and other auxiliary information if they hang together well and if actual situation in the province is reflected.

Inputs. The following review materials needed are as follows:
- o Historical data series on quarterly, semestral and annual data series of palay and corn production, harvest area and yield
- o Auxiliary information such as:
  - Report on weather condition
  - Area and crop condition
  - Irrigation
  - Levels of inputs usage
  - Supply and demand
  - Information on rice and corn program implementation/interventions; and
- o Output tables generated from the processing system of the previous and current reporting months of the reference quarter.

Validation Process. The validation process involves the following:
1. Establish acceptability of quarter yield and area which would rationalize the level of quarter quantity of harvested/production.
2. Assess the consistency of reasons and justify with sound reasons any significant changes in the increase or decrease of level of estimates. The provided reason(s) should be specific as to the following:
   - Weather – what about the weather
   - Shifting – to or from what crop/activity
   - Movement of harvest – to or from what quarter
   - Pests and diseases – specify type of pests or diseases
   - Interventions – what was availed of

3. Assess the consistency of the survey-based estimates and forecasts with the existing data series

4. Check the consistency of the data being validated with the latest PCPS results and/or the MPCSRS results as of the other reporting month within the reference quarter.

Illustration 1:

An error in the stage of crop growth concerning area was identified during the MPCSRS September 2016 round. The reported area harvested was 355 has, lower than the reported area harvested of 360 has in August 2016 round. The September 2016 level is supposed to be an increased level as the two rounds are cumulative. The 5 has. difference was erroneously accounted back to maturing stage which was reported to have been harvested already in August 2016 round.

MONTHLY PALAY AND CORN SITUATION REPORTING SYSTEM
September 2016

Region : A   Reference Quarter: July-September 2016
Province : B   PCPS Round: July 2016 Round

A. CORN: Comparison of quarter's present crop situation and last quarter's crop forecast

ITEM	Last Quarter's Forecast	PDR				
		Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage
AREA HARVESTED (ha)	970	970	355	-	539	76
Hybrid	66	66	42	-	21	3
Modern OPV	226	226	8	-	159	59
Native OPV	678	678	305	-	359	14
White	862	862	305	-	490	67
Hybrid	-	-				
Modern OPV	184	184	-	-	131	53
Native OPV	678	678	305	-	359	14
Yellow	108	108	50	-	48	9
Hybrid	66	66	42	-	21	3
Modern OPV	42	42	8	-	27	7
Native OPV	-	-	-	-	-	-

MONTHLY PALAY AND CORN SITUATION REPORTING SYSTEM
August 2016

Region : A   Reference Quarter: July-September 2016
Province : B   PCPS Round: July 2016 Round

A. CORN: Comparison of quarter's present crop situation and last quarter's crop forecast

ITEM	Last Quarter's Forecast	PDR				
		Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage
AREA HARVESTED (ha)	970	970	360	539	72	-
Hybrid	66	66	42	21	3	-
Modern OPV	226	226	8	159	59	-
Native OPV	678	678	309	359	10	-
White	862	862	309	490	62	-
Hybrid	-	-				
Modern OPV	184	184	-	131	53	-
Native OPV	678	678	309	359	10	-
Yellow	108	108	50	48	9	-
Hybrid	66	66	42	21	3	-
Modern OPV	42	42	8	27	7	-
Native OPV	-	-	-	-	-	-

Illustration 2:

A discrepancy in the breakdown of total area (updated standing crop) between the two reporting months within the reference quarter of the province was detected. The area reported in the previous reporting month cannot be shifted to other crop type/seed type in the following month because the crop in the same area is already standing.

Similar situation on shifting to other ecosystem for palay i.e from irrigated to rainfed or croptype for corn i.e from yellow to white, is not possible to happen in the two consecutive reporting months of MPCSRS.

5. Check the conformity of the forecasts with the normal range of the values in the data series.

APPENDICES

Concepts and Definitions

Production- refers to quantity produced and actually harvested during the reference period. It includes those harvested but damaged, stolen, given away, consumed, given as harvester's share, reserved etc.   Production from seed growers is excluded from the survey.

Farm – a parcel or parcels of land which has a total land area of at least 1,000 square meters (one-tenth of a hectare) used for agricultural purposes.

Operator – a person who takes the technical, financial and administrative responsibility in managing the farm, including the management and supervision of hired labor; he may work on the land himself or may employ others to work on the land. He may or may not be the owner of the land.

Household – a person or a group of person who sleeps under the same dwelling unit and usually has a common arrangement in the preparation and consumption of food. The household members may not necessarily be related by ties of kinship, although they are usually relatives. In some instances, more than one household may occupy the same dwelling unit.

Agricultural household – any household in which a member operates an agricultural land either a "Farming Household" or "Non-Farming household".

Farming household – any household in which a member operates an agricultural land, either solely or jointly with other members, and the aggregate area operated by the operator-members of such household qualifies to be called a farm.

Non-farming household – any household in which a member operates an agricultural land, either solely or jointly with other members, and the aggregate area operated by the operator-members of such household does not qualify as a farm.

Non-agricultural household – any household in which none of the members operates any agricultural land.

Appendix B

MPCSRS Form 1 (Palay) – Regional/Provincial Report

MPCSRS FORM 1B (Palay)
(Regional/Provincial Report)
Page 1 of 2 pages

Region: _____
Province: _____

Reference Quarter: _____
PCPS Round : _____

MONTHLY PALAY AND CORN SITUATION REPORTING SYSTEM

(Reporting Month)

A. COMPARISON OF QUARTER'S PRESENT CROP SITUATION AND LAST QUARTER'S CROP FORECAST

(Quarter's Standing Crop/Planting Intentions)

(JAN/APR/JUL/OCT)

Item	Last Quarter's Forecast	RDR							UPDATED QUARTER'S FORECAST PDR						Survey Result				Reason/s for Changes in Quarter's Forecast (Col. 8 vs Col. 2)
		Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage			Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)		(18)
PALAY																		
Production (MT)																		
Hybrid																		
Inbred-Certified																		
Farmers/Good Seeds																		
Traditional/Native																		
Irrigated																		
Hybrid																		
Inbred-Certified																		
Farmers/Good Seeds																		
Traditional/Native																		
Rainfed																		
Hybrid																		
Inbred-Certified																		
Farmers/Good Seeds																		
Traditional/Native																		
Upland																		
Inbred-Certified																		
Farmers/Good Seeds																		
Traditional/Native																		
Area Harvested (Ha)																		
Hybrid																		
Inbred-Certified																		
Farmers/Good Seeds																		
Traditional/Native																		
Irrigated																		
Hybrid																		
Inbred-Certified																		
Farmers/Good Seeds																		
Traditional/Native																		
Rainfed																		
Hybrid																		
Inbred-Certified																		
Farmers/Good Seeds																		
Traditional/Native																		
Upland																		
Inbred-Certified																		
Farmers/Good Seeds																		
Traditional/Native																		

Page 2 of 2 pages

UPDATED QUARTER'S FORECAST

Item	Last Quarter's Forecast	R D R							P D R						Survey Result				Reason/s for Changes in Quarter's Forecast (Col. 8 vs Col. 2)
		Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage		Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	
(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
Yield per Ha. (MT)																		
Hybrid																		
Inbred-Certified																		
Farmers'/Good Seeds																		
Traditional/Native																		
Irrigated																		
Hybrid																		
Inbred-Certified																		
Farmers'/Good Seeds																		
Traditional/Native																		
Rainfed																		
Hybrid																		
Inbred-Certified																		
Farmers'/Good Seeds																		
Traditional/Native																		
Upland																		
Inbred-Certified																		
Farmers'/Good Seeds																		
Traditional/Native																		

* For damaged crop, submit corresponding damage report

B. COMPARISON OF PRESENT PLANTINGS AND LAST QUARTER'S PLANTING INTENTIONS

ACTUAL PLANTINGS (Ha)

Item	Last Quarter's Planting Intentions	R D R						P D R						Survey Result				Reason/s for Changes in Quarter's Forecast (Col. 8 vs Col. 2)
		TOTAL	Stages of Crop Growth			Expected Month of Harvest		TOTAL	Stage of Crop Growth			Expected Month of Harvest		TOTAL	Stage of Crop Growth			Expected Month of Harvest
			Vegetative	Reproductive	Maturing				Vegetative	Reproductive	Maturing				Vegetative	Reproductive	Maturing	
(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
PALAY																		
Irrigated																		
Rainfed																		
Upland																		

Vegetative - planting/transplanting and tillering stage
Reproductive - booting to blooming/tasseling stage
Maturing - Milk, dough and ripening stage

Prepared by: _____

NOTED: _____
PSO

Date: _____

Appendix C

MPCSRS Form 2 (Corn) – Regional/Provincial Report

UPDATED QUARTER'S FORECAST

Item	Last Quarter's Forecast	R D R						UPDATED QUARTER'S FORECAST P D R							Survey Result				Reason/s for Changes in Quarter's Forecast (Col. 3 and 8 vs Col. 2)
		Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage	Total	Harvested	Vegetative Stage	Reproductive Stage	Maturing Stage			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)			(18)
Yield per Ha. (MT)																			
Hybrid																			
Modern OPV																			
Native OPV																			
White																			
Hybrid																			
Modern OPV																			
Native OPV																			
Yellow																			
Hybrid																			
Modern OPV																			
Native OPV																			

* For damaged crop, submit corresponding damage report

B. COMPARISON OF PRESENT PLANTINGS AND LAST QUARTER'S PLANTING INTENTIONS

ACTUAL PLANTINGS (Ha)

ITEM	Last Quarter's Planting Intentions	P D R						Survey Result				Reason/s for Changes in Quarter's Forecast (Col. 3 and 8 vs Col. 2)
		TOTAL	Stage of Crop Growth			Expected Harvest Month	TOTAL	Stage of Crop Growth			Expected Harvest Month	
			Vegetative	Reproductive	Maturing			Vegetative	Reproductive	Maturing		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
CORN												
White												
Yellow												

Vegetative - planting/transplanting and tillering stage
Reproductive - booting to blooming/tasseling stage
Maturing - Milk, dough and ripening stage

Prepared by: _____

NOTED: _____ PSO

Date: _____

Timetable of Activities

Activity	Reporting Month						
	Feb	Mar	May	Jun	Aug	Sep	Nov
1. Briefing of SR		Wk4		Wk4		Wk4	Wk4
2. Data Collection and supervision	1-5	1-5	1-5	1-5	1-5	1-5	1-5
3. Data processing and generation of output tables	6-12	6-12	6-12	6-12	6-12	6-12	6-12
4. Data review and validation	12-14	12-14	12-14	12-14	12-14	12-14	12-14
5. Submission of reports to RSSO	nlt 15th	nlt 15th	nlt 15th	nlt 15th	nlt 15th	nlt 15th	nlt 15th
6. Submission of reports and raw data files to CSD	nlt 18th	nlt 18th	nlt 18th	nlt 18th	nlt 18th	nlt 18th	nlt 18th
7. Submission of special release for uploading to the PSA Website	On or before the 15th day of the following month						

nlt – not later than