



Supply Utilization Accounts/Food Balance Sheet of the Philippines



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OUTLINE OF PRESENTATION

1. BACKGROUND

2. BASIC EQUATION/ESTIMATION FLOW/DATA REQUIREMENTS AND SOURCES

3. ACTIVITIES

4. DATA COMPILATION ISSUES AND CONCERNS

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BACKGROUND

SUA of Selected Agricultural Commodities

- ☐ **82 agricultural commodities**
- ☐ **latest publication: 2016, covering the period 2014-2016.**
- ☐ **Bureau of Agricultural Statistics (BAS)**
- ☐ **Philippine Statistics Authority (2013-present).**

SUA/FBS of FAO

- ☐ **Participation in FAO Regional Project (TCP/RAS/3409),
“Building Statistical Capacity for Quality Food Security
and Nutrition Information in Support of Better
Informed Policies”**
- ☐ **760 commodities**
- ☐ **Excel Program**

BASIC EQUATION

SUPPLY



UTILIZATION

- ☐ Beginning Stock
- ☐ Production
- ☐ Import

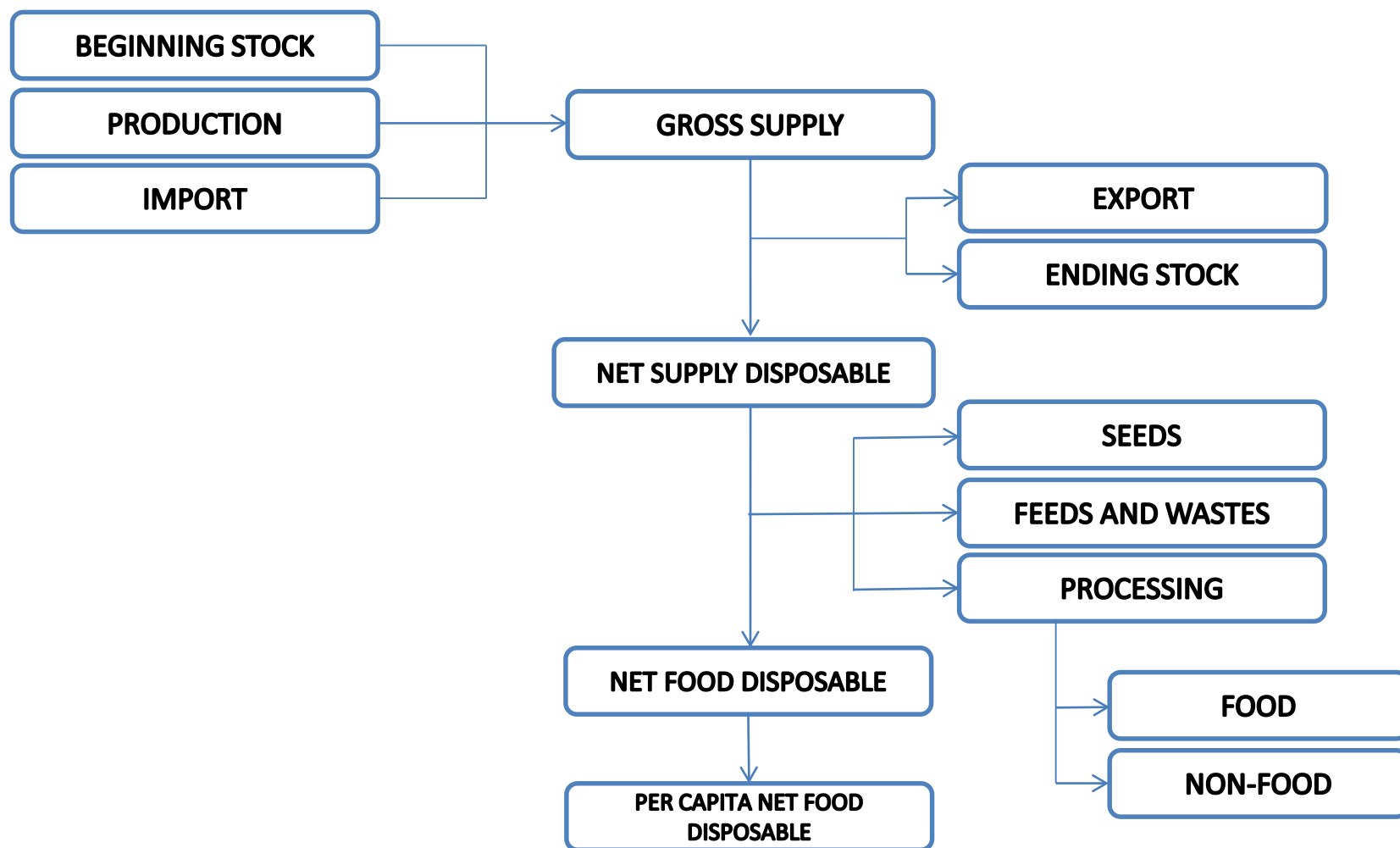
- ☐ Export
- ☐ Domestic Utilization
 - (Seeds, Feeds and Wastes, and Processing)
- ☐ Net Food Disposable
- ☐ Ending Stock



DATA REQUIREMENTS AND SOURCES

| ITEM | SOURCE OF DATA |
|-------------------------|--|
| Production | PSA Palay and Corn Production Survey (PCPS) |
| Trade | Trade Statistics Division of PSA |
| Stocks | PSA Palay and Corn Stocks Survey National Food Authority (NFA) data |
| Population | Population Projection from the Demographic and Social Statistics Division of the PSA |
| Nutrient Factors | Food Composition Table (FCT) on Per Capita Food Intake published by the DOST-FNRI |

ESTIMATION FLOW





2014-2016 SUA of the Philippines

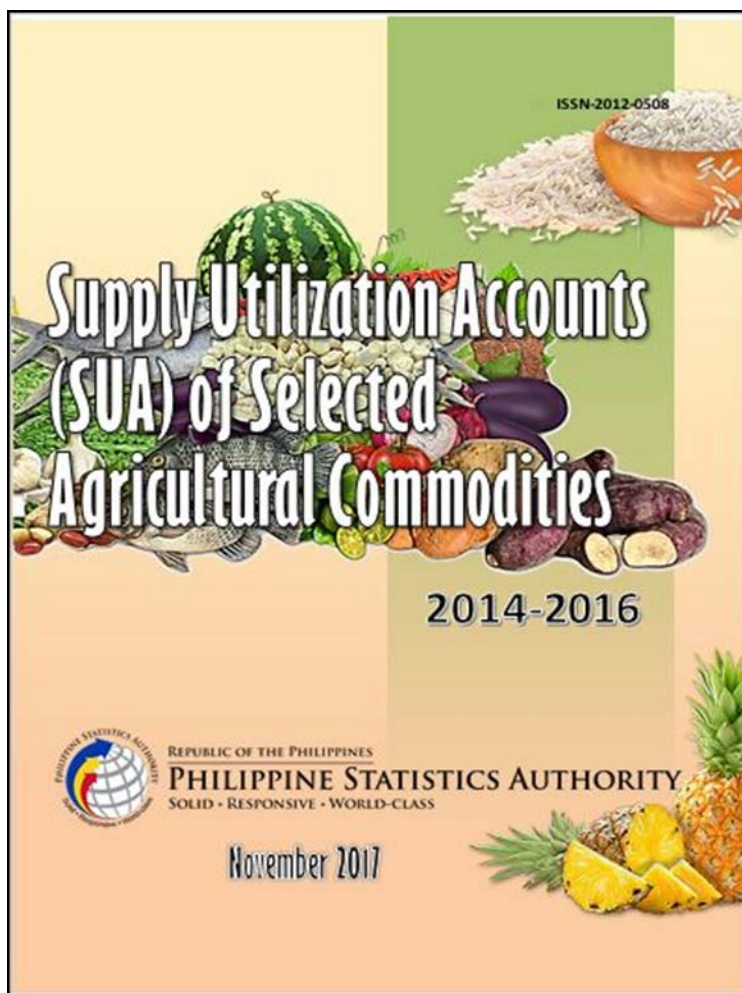


Table 1.1 RICE: Supply Utilization Accounts, Philippines, 2014-2016

| Year | SUPPLY | | | | UTILIZATION | | | | | | | |
|-----------------------------|-----------------|------------|---------|--------------|-------------|-------|---------------|--------------|---------------------|------------|------------|--------------|
| | Beginning Stock | Production | Imports | Gross Supply | Exports | Seeds | Feeds & Waste | Process- ing | Net Food Disposable | | | Ending Stock |
| | | | | | | | | | Total | Per Capita | | |
| | | | | | | | | | | Kg./ Yr. | Grams/ Day | |
| Level (in '000 metric tons) | | | | | | | | | | | | |
| 2014 | 2,126 | 12,405 | 1,087 | 15,618 | 1 | 232 | 806 | 496 | 11,421 | 114.35 | 313.29 | 2,662 |
| 2015 | 2,662 | 11,870 | 1,478 | 16,010 | a/ | 228 | 772 | 475 | 11,336 | 111.62 | 305.81 | 3,199 |
| 2016 | 3,199 | 11,528 | 605 | 15,332 | a/ | 223 | 749 | 461 | 11,134 | 107.84 | 295.45 | 2,765 |
| Average | 2,662 | 11,934 | 1,057 | 15,653 | 1 | 228 | 776 | 477 | 11,297 | 111.27 | 304.85 | 2,875 |
| Growth Rate (in percent) | | | | | | | | | | | | |
| 14-15 | 25.21 | -4.31 | 35.97 | 2.51 | | -1.72 | -4.22 | -4.23 | -0.74 | -2.39 | -2.39 | 20.17 |
| 15-16 | 20.17 | -2.88 | -59.07 | -4.23 | | -2.19 | -2.98 | -2.95 | -1.78 | -3.39 | -3.39 | -13.57 |
| Average | 22.69 | -3.60 | -11.55 | -0.86 | | -1.96 | -3.60 | -3.59 | -1.26 | -2.89 | -2.89 | 3.30 |

a/ - Less than 1 thousand metric tons

From 2014 to 2016, rice production averaged 11.9 million metric tons. It declined by an average rate of 3.60 percent yearly. From 12.4 million metric tons in 2014, it went down to 11.9 million metric tons in 2015 and further dropped to 11.5 million metric tons in 2016. Total supply decreased by an average of 0.86 percent per year. It was highest at 16.0 million metric tons in 2015 and lowest at 15.3 million metric tons in 2016.

Rice imports, which shared an average of 6.75 percent in the total supply, fluctuated during the three-year period. From 1.1 million metric tons in 2014, it rose to 1.5 million metric tons in 2015 but declined to 0.6 million metric tons in 2016. Exports averaged 1 thousand metric ton during the reference period.

The total net food disposable posted a decreasing trend from 11.4 million metric tons in 2014 to 11.1 million metric tons in 2016. It averaged 11.3 million metric tons. Likewise, the per capita net food disposable recorded continuous reduction from 114.35 kilograms in 2014 to 107.84 kilograms in 2016. On the average, the annual per capita net food disposable was estimated at 111.27 kilograms.



Philippine participation in the FAO project, 2013

FAO Regional Project (TCP/RAS/3409), “Building Statistical Capacity for Quality Food Security and Nutrition Information in Support of Better Informed Policies”

To attain the project’s objective of “enhancing the analytical skills of the countries to produce quality and timely food security and nutrition information for the assessment and monitoring progress toward achieving national policy objectives as well as international commitments and goals.



ACTIVITIES

*First Regional Training/Workshop on Supply Utilization Accounts/Food Balance Sheets (SUA/FBS),
March 3-7, 2014, Pattaya, Thailand*

Objective

To train national experts in the preparation of the Supply Utilization Accounts for the compilation of country's yearly Food Balance Sheets.

Output

Two (2) national experts were capacitated in the SUA/FBS systems developed by FAO.





ACTIVITIES

First National Training/Workshop on Supply Utilization Accounts/Food Balance Sheets (SUA/FBS),
June 9-11, 2014, Philippines.

Objective

To equip the participants in analyzing available food and agriculture data and using standardized methodologies and tools to produce quality and timely food security and nutrition statistics for sound decision making.

Output

Prepared FBS FAO-based system covering the period 2009 to 2012.





ACTIVITIES

Second National Training/Workshop on Supply Utilization Accounts/Food Balance Sheets (SUA/FBS),
March 16-20, 2015, Philippines.

Objective

To provide training on the concepts and definitions of SUA/FBS and their compilation procedures to learn and understand the current SUA and FBS system based on the recommendations of the FAO.

Output

Updated SUA/FBS using the FAO-based system for the years 2009 to 2013.





ACTIVITIES

Second Regional Training/Workshop on Supply Utilization Accounts/Food Balance Sheets (SUA/FBS),
April 20-24, 2015, Bangkok, Thailand.

Objective

To train participants in testing the integrity and reliability of food and nutrition data that have been updated, revised and compiled into the SUA for 2009-2013.

Output

Updated and revised SUA/FBS for 2009-2013 based on the comments and statistical discrepancy checks for Nepal, Lao PDR and Philippines.



ACTIVITIES

Workshop on Validation of the 2009-2013 SUA/FBS,
August 11-12, 2015, Philippines

Objective

To validate the specific commodities/ items included in the SUA/FBS.

To discuss and resolve issues in the compilation of the preliminary 2009-2013 Food Balance Sheet.

Output

Validated the SUA/FBS list of commodities for crops, livestock, poultry and fisheries vis-à-vis trade commodities.



ACTIVITIES

Regional Training Workshop on Food Security Statistics,
September 21 to 23, 2015, Bangkok, Thailand.

Objective

To compile, verify and validate country Supply and Utilization Accounts (SUA) and generate Food Balance Sheets (FBS).

Output

Validated SUA/FBS





ACTIVITIES

Regional Training Course of Supply Utilization Accounts/ Food Balance Sheet Methodology and Compilation Tool, November 20-24, 2017, South Korea

Objective

To provide developing countries with the methodological framework and tools to compile high quality Food Balance Sheets.

Output

Updated and revised SUA/FBS for 2014 to 2016 based on the suggestions/learnings from the training.



ISSUES AND CHALLENGES IN DATA COMPILATION

- ☐ **Some local commodities do not fall on the same category with the FAO list.**
- ☐ **Data gaps**
 - ☐ **No data on production for the processed commodities and some commodities in raw forms**
 - ☐ **With production but no corresponding parameters for utilization**
- ☐ **Matching of commodity items and trade data.**

ISSUES AND CHALLENGES IN DATA COMPILATION

- ☐ **Outdated technical conversion ratios and parameters.**
- ☐ **The nutrient factors of some commodities are disaggregated by parts.**
- ☐ **For further review of commodities under Not Elsewhere Specified.**
- ☐ **Institutionalization of the new SUA/FBS Methodology and Compilation Tool**

WAY FORWARD

- ☐ **Capacity Building (workshop/training) for SUA/FBS compilers.**
- ☐ **Updating of parameters through field visits and research (desktop and library)**
- ☐ **Regular compilation of Philippine SUA/FBS developed by FAO.**
- ☐ **Refinement of FAO FBS Excel based system**
- ☐ **Advocacy program to promote the usefulness and utility of FBS.**



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