# AGREP

## Arkansas Global Rice Economics Program

# International Rice Outlook

### Baseline Projections, 2014-2024

**By**

**Eric J. Wailes and Eddie C. Chavez**[1]

**SP 01 2015** **March 2015**

Department of Agricultural Economics and Agribusiness
Division of Agriculture
Room 217, Agriculture Building
University of Arkansas
Fayetteville, AR 72701



[1] L.C. Carter Chair and Distinguished Professor, and Senior Program Associate, respectively at the Department of Agricultural Economics, Division of Agriculture, University of Arkansas, Fayetteville.

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**Report Prepared by**

Eric J. Wailes and Eddie C. Chavez[1]

**In cooperation with**

**The Food and Agricultural Policy Research Institute, University of Missouri**


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Global rice projections were prepared with the assistance of the team at FAPRI-MU, including Pat Westhoff (westhoffp@misssoui.edu), Scott Gerlt (gerlts@missouri.edu), Jarrett Whistance (jwxbb@mail.missoui.edu), Julian Binfield (binfieldj@missouri.edu) and Deepayan Debnath (debnathd@missouri.edu); and Mike Helmar (mhelmar@cabnr.unr.edu) at the University of Nevada-Reno, and Darren Hudson (Darren.hudson@ttu.edu) at Texas Tech University. Any errors, however, in this report are solely the responsibility of the authors.

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# International Rice Outlook

**International Rice Baseline Projections, 2014-2024**

Eric J. Wailes and Eddie C. Chavez

**Keywords:** International rice, baseline, policy, deterministic, stochastic, Arkansas Global Rice Model

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## Abstract

This outlook contains updated baseline rice projections from the Arkansas Global Rice Economics Program (AGREP) for the U.S. and international rice economies. The purpose of this document is to present the current state and the expected directions of the rice economies in the world by assessing their potential supply and demand paths over the next decade. This set of projections serves as a baseline for evaluating and comparing alternative macroeconomic, policy, weather, and technological scenarios. The estimates are intended for use by government agencies and officials, farmers, consumers, agribusinesses and other stakeholders who conduct medium- and long-term planning.

The AGREP baseline projections are grounded in a series of assumptions about the general economy, agricultural policies, weather, and technological change. It is generally assumed that current agricultural policies will continue in the United States and other countries reported in this study. The projections included in this outlook are based on information available as of January 2015. In light of the volatility of the global rice economy, a stochastic analysis is included in this report to provide a better understanding of the probable distribution of future outcomes. The stochastic estimates establish likely upper and lower bounds for selected variables.

## Introduction

This outlook is a framework to present a baseline of the likely direction of key variables in the global rice economy and the degree of variability of some of the key variables. It is not a set of predictions. Deterministic and stochastic baseline estimates presented in this report are generated using the Arkansas Global Rice Model (AGRM). AGRM is a multi-country/regional statistical simulation and econometric framework developed and maintained by the Arkansas Global Rice Economics Program (AGREP) with the Department of Agricultural Economics and Agribusiness at the Division of Agriculture, University of Arkansas in Fayetteville.

The AGRM has benefited from working closely with the Food and Agricultural Policy Research Institute (FAPRI) based at the University of Missouri, Columbia which maintains U.S. agricultural and other commodity models. They provide projections on variable costs of production for U.S. rice, and prices and net returns for other U.S. crops which are transmitted into the AGRM country models.

In particular, prices and net returns for corn, cotton, soybeans, and wheat are relevant considering that these commodities are substitute crops for rice in the U.S. and other countries. For example, rice area competes with a number of crops including soybeans, corn, and cotton in rice-producing states in the U.S. (Arkansas, Louisiana, Missouri, Mississippi, Texas, and California). In the People's Republic of China (PRC), rice competes with corn in the provinces of Guangxi, Heilongjiang, Jilin, and Liaoning; with wheat in the province of Jiangsu; and with both corn and wheat in the provinces of Anhui, Chongqing, Guizhou, Hubei, Ningxia, Sichuan, and Yunnan. In India, rice competes with wheat particularly in the northern states (Carriquiry et al., 2012; Wailes and Chavez, 2013).

The historical rice data is obtained from the Production, Supply, and Distribution (PS&D) online database (USDA-FAS, 2015) and Rice Outlook (USDA-ERS, 2015) as of January 2015. The AGRM rice marketing years by country generally follow the USDA system. For example, *the year 2014 or marketing year 2014/15* in the model refers to January 2015–December 2015 for Thailand, Vietnam, and Indonesia; October 2014-September 2015 for India; July 2014-June 2015 for the Philippines; and April 2015-March 2016 for South American countries. See http://apps.fas.usda.gov/psdonline/psdAvailability.aspx for details. As such, the annual cumulative growth rates as well as the total growth estimates presented in this document are based from the marketing year 2013/14 and cover the 11-year period 2013-2024.

The global model is disaggregated into 46 of the major rice producing, consuming and trading rice countries/regions. The rest-of-the-world is grouped into five regional aggregations: Africa, the Americas, Asia, Europe, and Oceania. Rice is an ascendant food staple in Sub-Sahara Africa. Therefore we provide projections of selected West African countries and for the ECOWAS (the Economic Community of West African States). Each country or regional model includes a supply sector (harvested area and yields per hectare), a domestic demand sector (per capita use), international trade, stocks and price linkage equations. Net global rice trade for long grain and medium grain solves for two world reference prices, long grain and medium grain.

The deterministic baseline assumes the following: a continuation of existing policies; IHS Global Insight projections for macroeconomic variables; no new WTO Doha Round trade reforms; and average weather conditions. Growth rates in rice yields in selected countries are made relatively stronger than previous baselines in recognition of potential positive impacts from the Global Rice Science Partnership (GRiSP) R&D and other funding to improve global rice productivity.

The stochastic baseline provides a range of probable outcomes (confidence intervals), as opposed to the deterministic analysis which generates average point estimates. Stochastic estimates are useful because the underlying assumptions in the deterministic baseline usually do not hold true in reality, i.e., actual market outcomes deviate from average estimates. Stochastic analysis provides information on risk and uncertainty which is an important characteristic of the international rice economy.

The stochastic framework is generated using multivariate empirical distributions (MVE) of the yield variable for each of the 51 countries and regions in the model, as well as for each of the six rice-producing states in the United States. Yield is used because it is the variable that not only varies by year and by country but it is also very sensitive to changes in weather conditions and water availability—factors that are critical for rice production. The MVE take into account serial and geographical covariance. A total of 200 random draws are implemented using a 31-year empirical distribution of historical yields from 1983 through 2013, generated using the software Simulation & Econometrics to Analyze Risk (Simetar) developed by Richardson et al.(2008).

## Rice Policy Overview

The rice sector policy assumptions by country are documented in Appendix Table 1 of the publication by Wailes and Chavez (2012). Changes in policies are primarily updated using USDA, Foreign Agricultural Service attaché reports and the *Rice Market Monitor*, published by the United Nations-Food and Agricultural Organization. Current domestic and trade policies (e.g. tariff rates) are maintained over the baseline.

## *Key Market Drivers*

### India and Thailand Domestic Rice Policies

Over the last four years, the international rice market has been impacted and dominated by two key events. The first is India's official lifting of its ban on non-basmati rice exports as of September 2011. The second is Thailand's implementation in October 2011 of its controversial and costly paddy pledging program (PPP), a producer price-floor support and government storage policy. The PPP provided price supports to Thai rice producers which were 50% higher than prevailing market prices (Wailes and Chavez, 2013). This resulted in a separation between Thailand's rice export prices and those of other Asian countries until early 2014, when the policy was discontinued (Figure 1). The long grain Thai 100% B price subsequently declined substantially from $614 per metric ton (mt) in May 2012 to $399 per mt in May 2014, a 35% drop.

The major consequence of the PPP is that Thailand lost leadership in global long grain rice trade and its rice exports plunged 40% in 2011; and its rice stockpiles more than doubled (Figure 2).

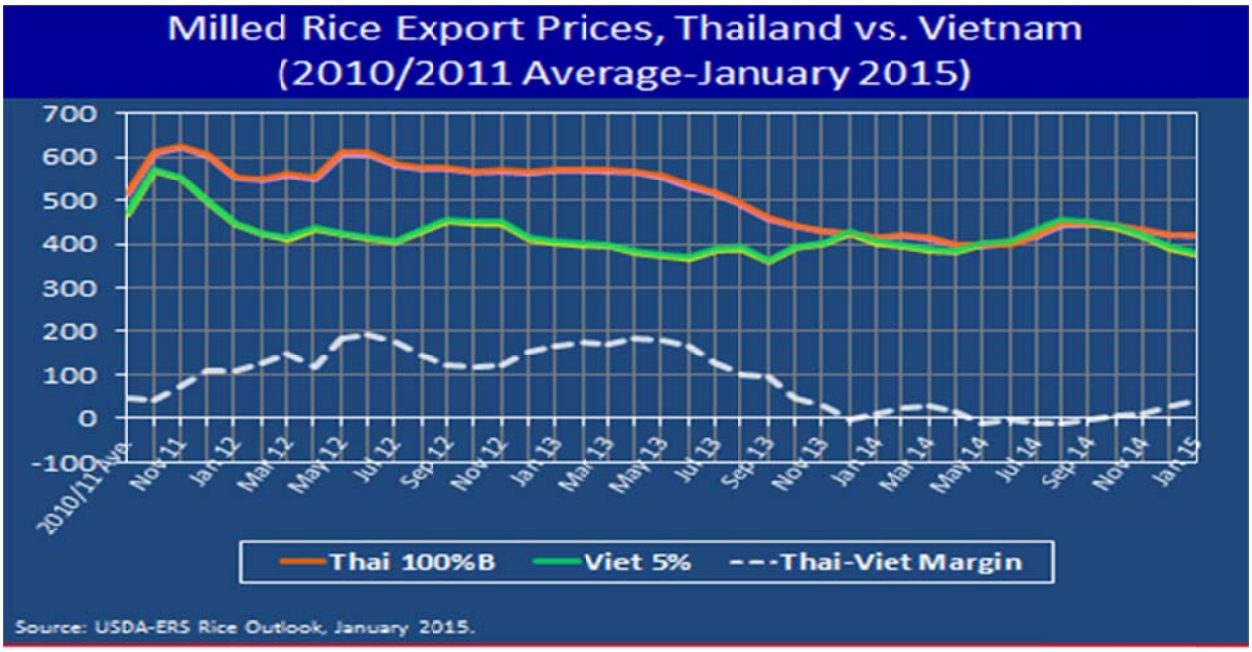


**Figure 1 Thai and Viet Rice Export Prices after Implementation of the Paddy Pledging Program**

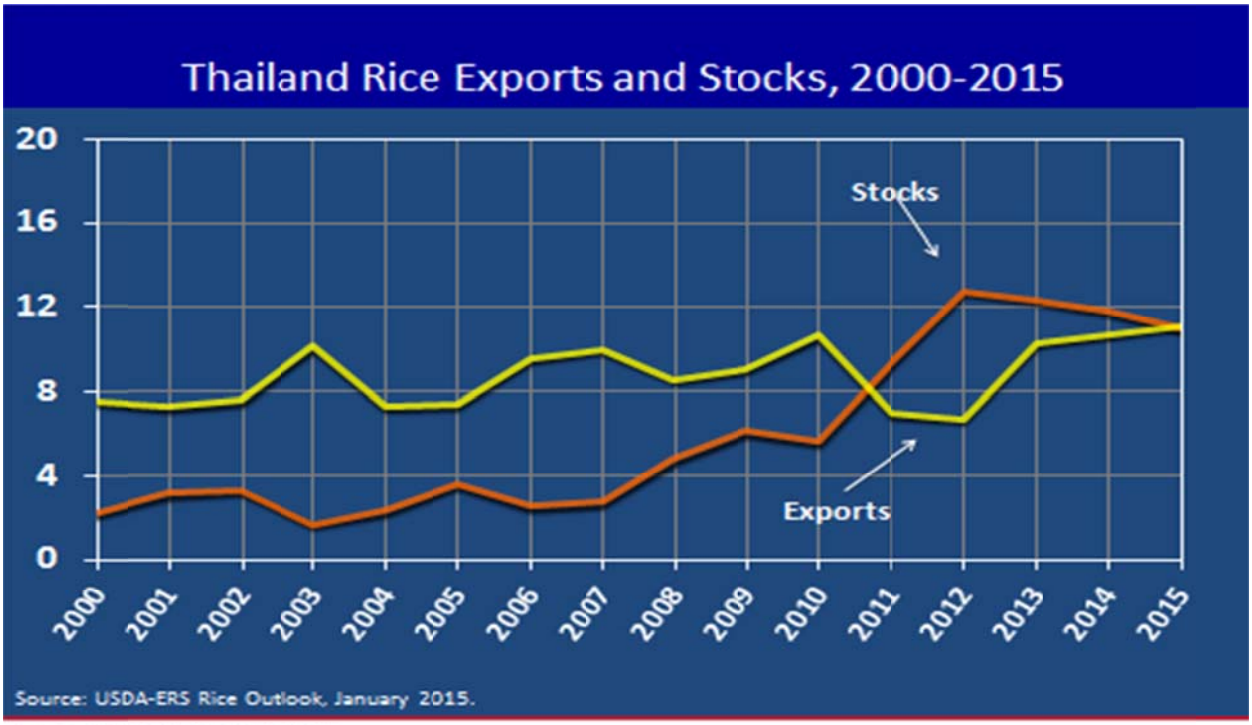


**Figure 2 Impacts of the 2011 Paddy Pledging Program on Thai Exports and Stocks.**

Another consequence of the PPP is that the government controlled Thai rice price limited its usefulness as the world's long grain rice reference price. During the period in which PPP was in effect, the net trade equilibrating international rice reference prices generated by AGRM (Figure 3) were closer to the prevailing export prices of Vietnam and India (Wailes and Chavez, 2013). This is supported by the fact that the global rice export market was dominated by India and Vietnam, with relatively dependable supplies also coming from Pakistan, the United States, Cambodia and Myanmar.

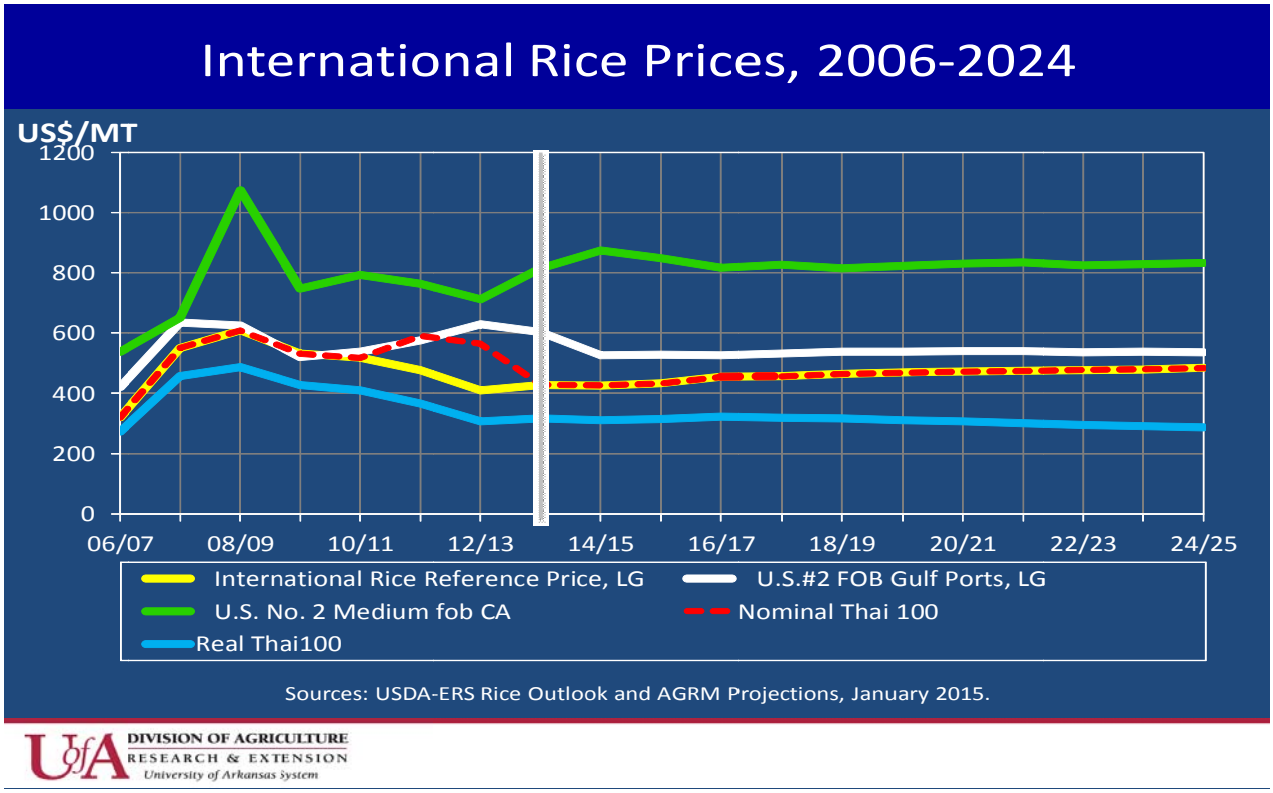


**Figure 3 Historical and Projected World Reference Rice Prices, 2006-2024.**

## Thailand Returns as an Active Participant in Rice Trade

In addition to the loss of global export market share, the PPP faced numerous criticisms including an overwhelming government budget deficit, charges of corruption and ultimately inadequate government funds to pay the Thai rice farmers a price support as promised by the former Prime Minister Yingluck Shinawatra. Following the May 22, 2014 military coup d'état, the PPP was suspended for the remainder of the 2013/14 marketing year by the new government and replaced with the Rice Farmer Assistance Program. This new program provides subsidized credit and production inputs to farmers (USA Rice Federation, 2014). Government storage of new crop rice is no longer guaranteed. This policy change has resulted in Thai exports and prices becoming more globally competitive once again (Figure 1).

On November 4, 2014, a region-specific on-farm pledging program was approved by Thailand's Rice Policy and Management Committee chaired by the new Prime Minister Prayut Chan-o-cha. The new

program is implemented for the October 2014-September 2015 paddy main crop, fragrant and glutinous rice; and available only in northern and northeastern production areas of the country under limited conditions (USDA-FAS, 2014).

To date, the new military leadership has been prudent in release and sales of the country's excessive rice stockpile which stands at a conservatively estimated 12.0 mmt (USDA-FAS, 2015). A key question is what percent of these stocks are of export quality? Much of the rice in government storage has deteriorated. Therefore one of the key policy assumptions of this baseline study is an exogenous Thai rice stock reduction that drives a return by Thailand to export levels consistent with prices competitive with Vietnam and India. Thai stocks may return more quickly to levels of the previous decade than reflected in this baseline. This is particularly likely if the government disposes of the excess and deteriorating stocks for non-food uses.

## Wide Margins between U.S. and Asian Rice Prices

U.S. export prices over the past year were high---with margins to Asian prices as high as $200 per mt (Figure 4). The disparity in prices is a result of the smaller 2013/2014 U.S. production. As a result of regional and bilateral trade agreements, U.S. rice exports have become more concentrated on Western Hemisphere markets where Asian supplies are less competitive. With a return to more normal production levels in the U.S. the baseline suggests that U.S. long grain rice prices will likely be influenced by the Asian price levels. Over the projection period, while Asian reference rice prices increase slightly, U.S. rice export prices are expected to decline to a margin above the Asian prices of about $50 per mt by the end of the projection period—making U.S. prices relatively more competitive (Table 1). Rigidity in the price margin is based on negotiated preferences for US rice in bilateral and regional trade agreements. U.S. average rice farm prices are projected to follow the declining trend of export prices (Table 3).

## Sources of Growth in Rice Trade

While China remains an important major rice importer over the next decade, the growth in imports will come mainly from West African and the Middle Eastern countries. Expansion in exports is expected from significant investment in production and processing capacity in Southeast Asian countries of Vietnam, Cambodia and Myanmar. Productivity gains from adoption of hybrid rice varieties and farmer adoption of GRiSP research innovations are expected to positively impact Asian and African rice production.

## Growing Segmentation in Rice Markets

There is increasing segmentation in global rice trade flows, reflected in projected international reference price differences between long and medium grain markets. This is indicated by the recent trend where the medium California rice price is much higher than the Southeast Asian long grain prices (Figure 3). The lack of substitution in production between for medium grain and long grain supports this trend.

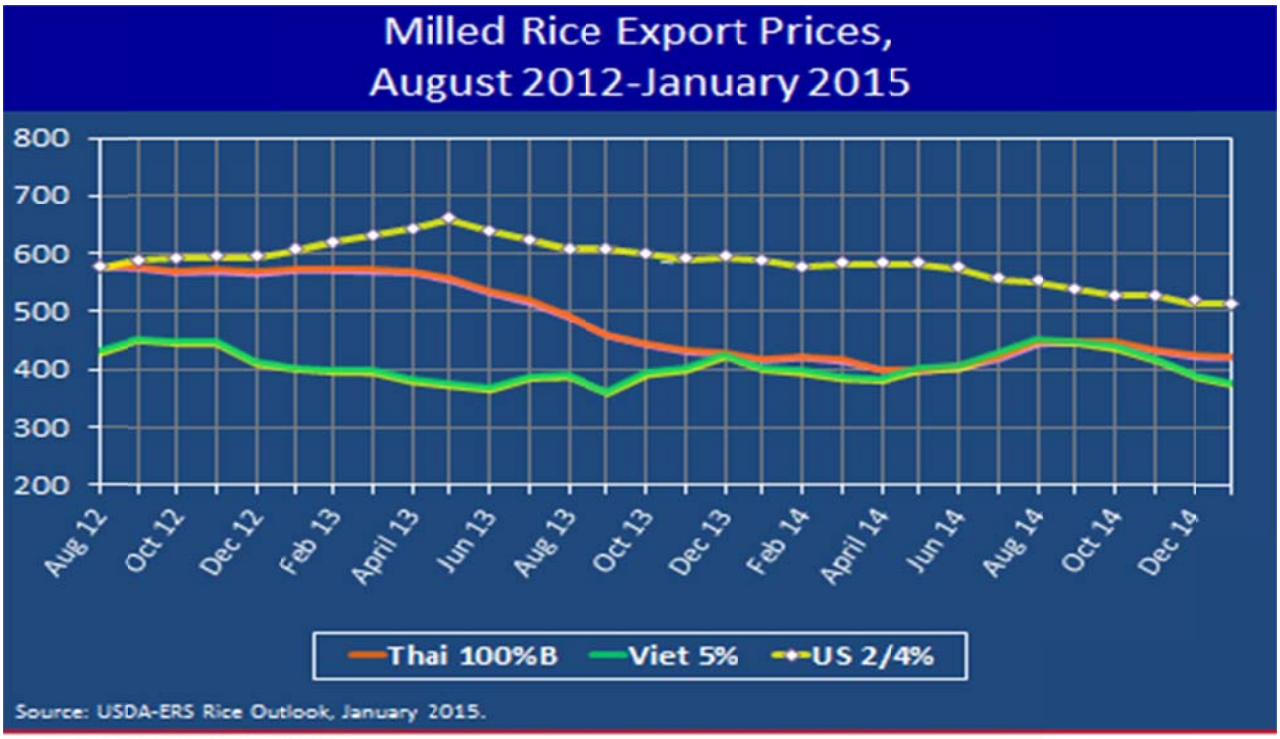


**Figure 4 U.S. Rice Export Prices relative to World Reference Prices for long-grain rice, 2012-2014.**

## Overview of Global Rice Supply and Demand

Rice is the most important food crop of the developing world and the staple food of more than half of the world's population. It accounts for more than 20% of daily caloric requirements (IRRI, 2013). International rice prices are highly volatile due to a number of reasons. Rice has price inelastic supply and demand throughout much of Asia, where it is the dominant food staple. While rice is the primary staple for half the world's population, it is thinly-traded. Only about 7% of rice production is traded as opposed to 10 percent for coarse grains and 16 percent for wheat (Wailes and Chavez, 2012). The international rice trade is highly concentrated, with five dominant players (Thailand, India, Vietnam, Pakistan, and the U.S.) accounting for over 80% of global net trade (Table 1).

Over the baseline period, rice output is projected to expand driven by the use of higher-yielding inbred varieties and hybrids and other improved production technologies—in line with post-2008 rice crisis self-sufficiency policies of many consuming countries. With growth in global domestic use slightly exceeding domestic supply as countries replenish stocks, total rice trade expands by 1.4% per year. This results in a steady increase of 1.1% in long grain international rice prices. The average long grain rice international reference price increases from $426 per mt in 2014 to $485 per mt in 2024. Over the same period, international medium grain rice prices are projected to sustain a relatively high level, ranging from $815-875 per mt, with an average of $833 per mt (Table 1 and Figure 3).

Over the next decade, world rice output grows at 0.93% per year, reaching 528.1 million metric tons (mmt) in 2024 with 0.80% growth based on yield improvement and 0.13% growth expansion in area harvested (Figure 5). Driven primarily by population growth, global rice consumption gains 0.87% annually, reaching 526.1 mmt in 2024—with population growth of 1.01% per year projected to be offset partly by a 0.14% average annual decline in world rice per capita use (Table 2 and Figure 6).

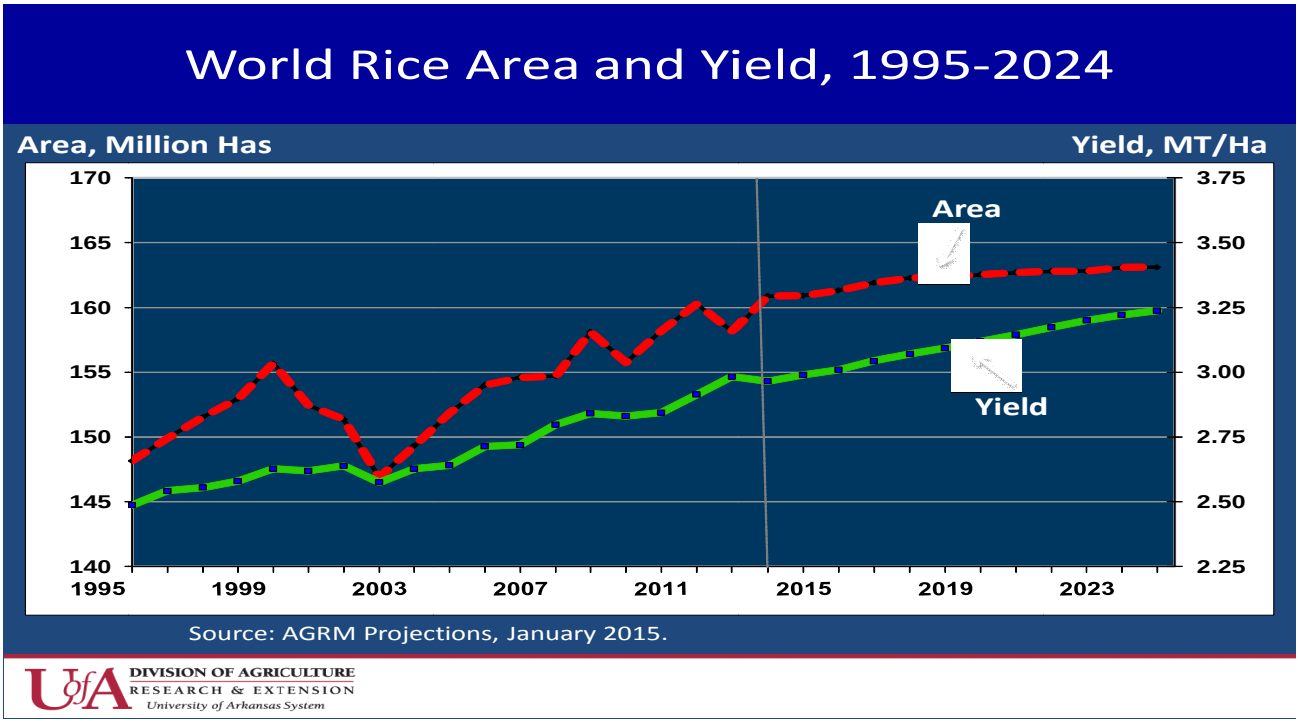


**Figure 5 World Rice Harvested Area and Yield, Historical and Projected, 1995-2024.**

While industry and government reports typically present only the total rice stocks for particular countries, it is equally interesting to examine rice stocks on a per capita basis to make population-weighted comparisons that have implications for food security. Figure 7 depicts comparative paths of per capita stocks in kilogram of selected major rice exporting and importing countries.

As total rice stocks in Thailand increased sharply as a result of the PPP policy, per capita stocks spiked in 172 kg during the 3-year period 2011-2013, equivalent to more than one-year's average per capita consumption. Over the projection period, the average per capita stock is projected to decline. PRC's rice per capita stock has increased from an average of 29.4 kg during the 2006-2010 period to 34.1 kg over the 2011-2013 period. China has expanded production and imports in response to highly attractive international rice import prices. With relatively flat production over the next decade, China continues to steadily build up per capita stocks, reaching 50.8 kg per person by 2024. In contrast, Vietnam's average per capita stock during the 2006-2010 period decreased from 20.1 kg to an average of only 12.9 kg over the past three years but is projected rebuild to 16.4 kg by 2024.

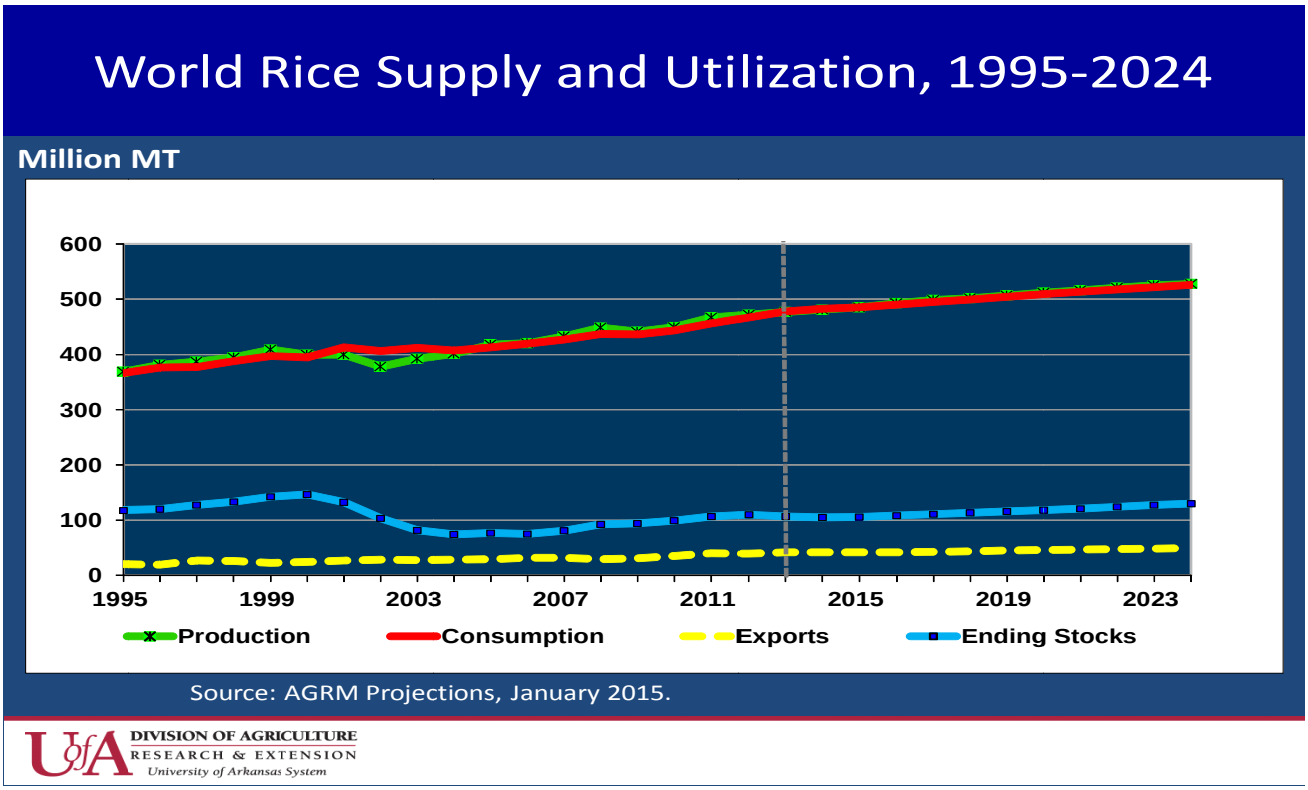


**Figure 6 World Rice Supply, Use, Trade and Ending Stocks, Historical and Projected, 1995-2024.**

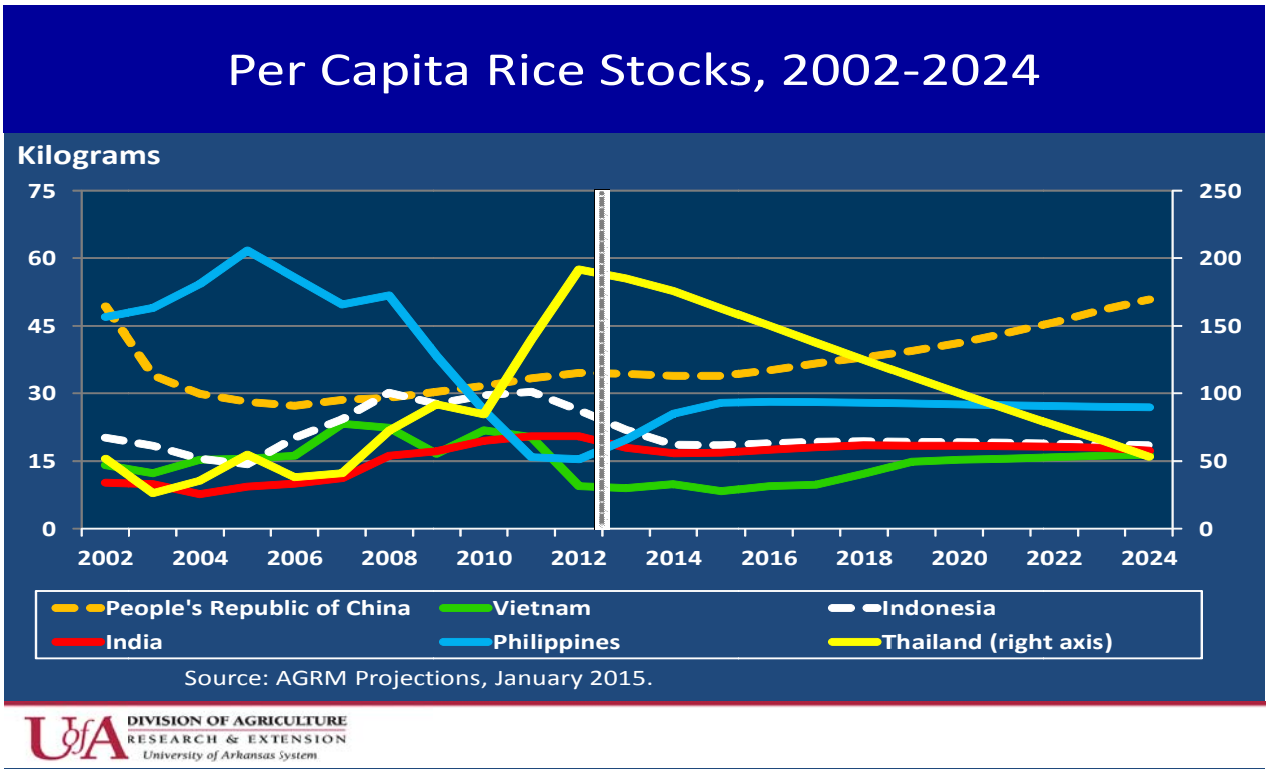


**Figure 7 Per capita rice ending stocks for selected countries, Historical and Projected, 2002-2024.**

India expanded its exports substantially in 2011 to 10.4 mmt from 2.8 mmt the previous year. This expanded trade was supported by substantial spike in Indian production (+9.3 mmt in 2011 alone) and by the reduced Thai exports. Despite higher exports India also increased per capita stock levels, from 14.9 kg in 2006-2010 to 19.7 kg in 2011-2013. Per capita stocks in India are projected to remain stable over the next decade at 18 kg.

Paradoxically, average per capita stock levels for the Philippines dropped from an average of 44.1 kg during 2006-2010 to 17.0 kg over the period 2011-2013 as a result of the country's drive to limit imports and attain rice self- sufficiency. During the past year, the Philippines re-assessed its unattained self-sufficiency program and resumed rice imports to replenish its declining stocks. Per capita stocks recover to an average of 27.4 kg over the baseline period assuming the projected imports materialize. It should be noted that this level is still 38% below the historical norm—a situation which could still be a food security concern should weather–related production shortfalls occur.

Indonesia's average per capita stock has been relatively steady during period 2006-2013 averaging 26 kg. This level, however, is projected to decline and level off at 19 kg over the next decade. Indonesia has also been trying to push for self-sufficiency by limiting imports and encouraging diet diversification away from rice.

## Results of the Deterministic Baseline Analysis

- Projections generated from the deterministic analysis by country and by region for the period 2013-2024 are presented in Tables 1 thru 56. To serve as convenient reference, a list of the tables with description is included below:
- Table 1 is a summary of the *net trade* by country and international rice prices (international long grain reference price, U.S. long grain export price, and the U.S. medium grain export price which serves as the international reference price for medium grain).
- Table 2 presents the summary of the global rice supply and demand.
- Tables 3 thru 47 are the basic supply and demand projections (production, consumption, stocks, and net trade), by country.
- Tables 48 thru 65 present the world regional (Africa, Asia, Western Hemisphere, Europe, and Oceania) rice supply and demand projections with a sub-regional aggregate for countries of each region that are modeled individually in AGRM, and another sub-regional aggregate for countries of each region that are modeled as a group in AGRM.
- Table 66 presents the rice supply and demand projections for ECOWAS, presented separately to highlight the increasing importance of this region to the global rice economy.
- Table 67 summarizes the rice average yield per hectare by country.
- Table 68 presents the rice average per capita use by country.
- Table 69 shows the world's rice *total trade*, as opposed to *net trade* in Table 1.

## *Detailed Results on Global Rice Supply and Demand*

Over the projection period, India and PRC are projected to account for 25.6% of the growth in total global population, with a combined share in world population of 36.3% in 2014 and 35.3% by 2024. By sheer magnitude, these two countries remain the largest global rice economies with combined share of 45.2% of world area harvested, 51.2% of total milled rice production, 50.0% of total rice consumption, and 69.5% of world rice ending stocks.

In comparison, the combined global shares of the next six largest rice countries of Indonesia, Bangladesh, Vietnam, Thailand, the Philippines and Myanmar are 30.7% of area harvested, 27.4% of production, 24.6% of consumption, and 14.9% of ending stocks over the same period. Thailand, with its recent PPP-related build-up, accounts for 42.0% of this group's stocks.

### Rice Export Supplies

Total rice trade is projected to expand from 41.7 mmt in 2014/15 to 49.4 mmt in 2024. Figure 8 depicts the world's top country rice exporters over the projection period. Following Thailand's costly paddy pledging program, it is projected to resume a strong presence in the global rice market over the next decade. Reports indicate that Thailand is increasing its efforts on negotiating government-to-government rice deals to liquidate their excessive rice stockpile. While the new administration reportedly plans to liquidate the PPP stocks over the next three years, it has been relatively cautious in releasing the PPP rice stocks into the market to avoid depressing prices (USDA-FAS, 2013-2014).

The Thai government is expected to incur substantial financial losses in the short-term as it ships rice bought at high farm prices onto the global market at competitively low prices. However it is expected to regain its global position as the top rice exporter over the baseline period--given its good export infrastructure and a concerted focus on developing and maintaining a strong presence in the branded high quality long grain and fragrant rice markets. The popularity of the country's fragrant "Thai Hom Mali"-branded Jasmine, is strongly preferred by consumers in many nations.

India became the top rice exporter in 2011/12 and 2012/13 marketing years, and is projected to remain a major exporter in 2013/14, with total shipments these years exceeding 10 mmt. However, India's exports are projected to decline to 8.6 mmt in 2014/15 and 7.0 mmt in 2016/17 before increasing steadily to the 8-mmt level by 2024, supported by relatively strong gains in yield. Its rice consumption will remain strong with population growing at 1.06% and per capita consumption rising slightly by 0.1% per year—and as the country implements its subsidized domestic rice consumption program as legislated in the National Food Security Bill which was signed into law on September 12, 2013 (USDA-FAS, 2013b). The law creates an entitlement for eligible beneficiaries to receive 5 kilograms per month of rice, wheat or coarse grain (millet) at highly subsidized prices. This reportedly covers 50% of the urban and 75% of the rural populations which translate to about 820 million people (USDA-FAS, 2014).

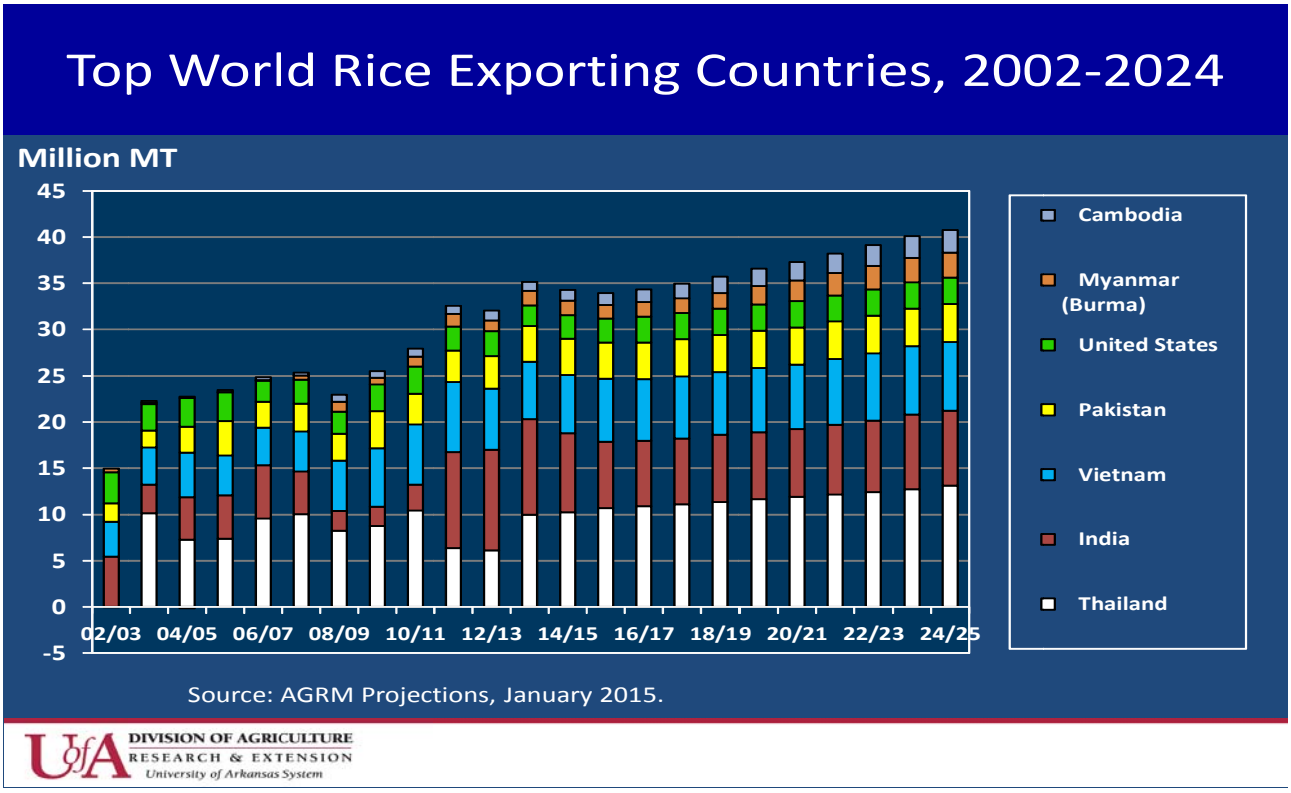


**Figure 8 Top World Rice Exporting Countries, Historical and Projected, 2002-2024.**

India's total exports in 2013/14 matched those of Thailand's at 10.3 mmt, followed by Vietnam at 6.5 mmt. Thailand is projected to start exceeding India's exports in 2014/15 (10.7 mmt vs. 8.6 mmt) as the new government administration embarks on releasing the PPP stocks into the international market, and retaking the rice export leadership position over the projection period (Table 1).

Over the baseline, total rice exports of the U.S. expand by 735 thousand mt (tmt) and remain in the range of 3.3-3.7 mmt; and total imports grow by 148 tmt (Table 69), resulting in expansion in net trade of 587 tmt (Table 3).

With increasing interest, investments, and government focus, Thailand's two neighboring countries of Cambodia and Myanmar are poised to expand rice exports in the years to come. Cambodia's rice exports are projected to expand steadily and double from 1.2 mmt in 2014 to 2.4 mmt in 2024 as yield-based production growth exceeds that of consumption whereas Myanmar's exports are projected to expand from 1.5 mmt to 2.7 mmt over the same period.

Global net rice exports reach 44.8 mmt in 2024, or a total growth of 8.0 mmt over the baseline period (2014-2024), or about 1.6% annually, of which nearly 44% of the growth is accounted for by Thailand, as it expands exports substantially and regains dominance in global rice trade. By world regions, the top rice exporters are shown in Figures 9 and 10. ASEAN is a 10-country sub-regional group of Southeast Asian countries that include Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Vietnam.

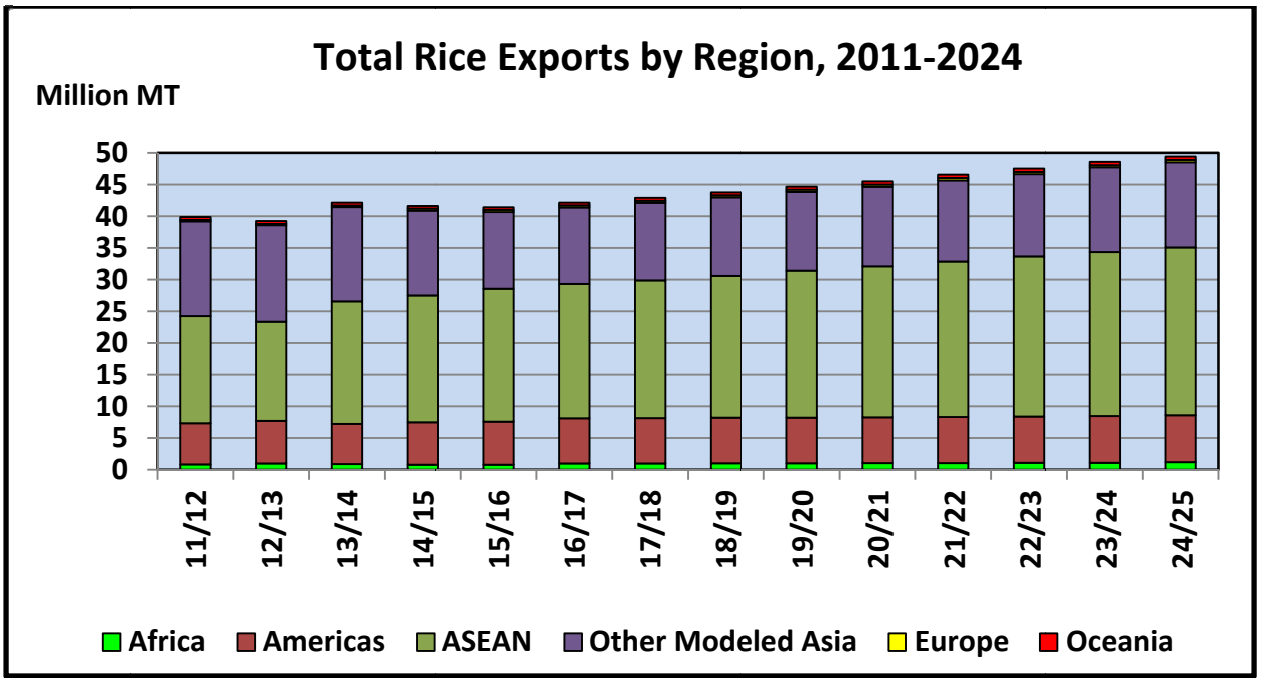


**Figure 9 Net Rice Exports by World Regions, Historical and Projected, 2011-2024.**

The ASEAN region is expected to expand its global export share from 50% in 2013 to 58% by 2024.

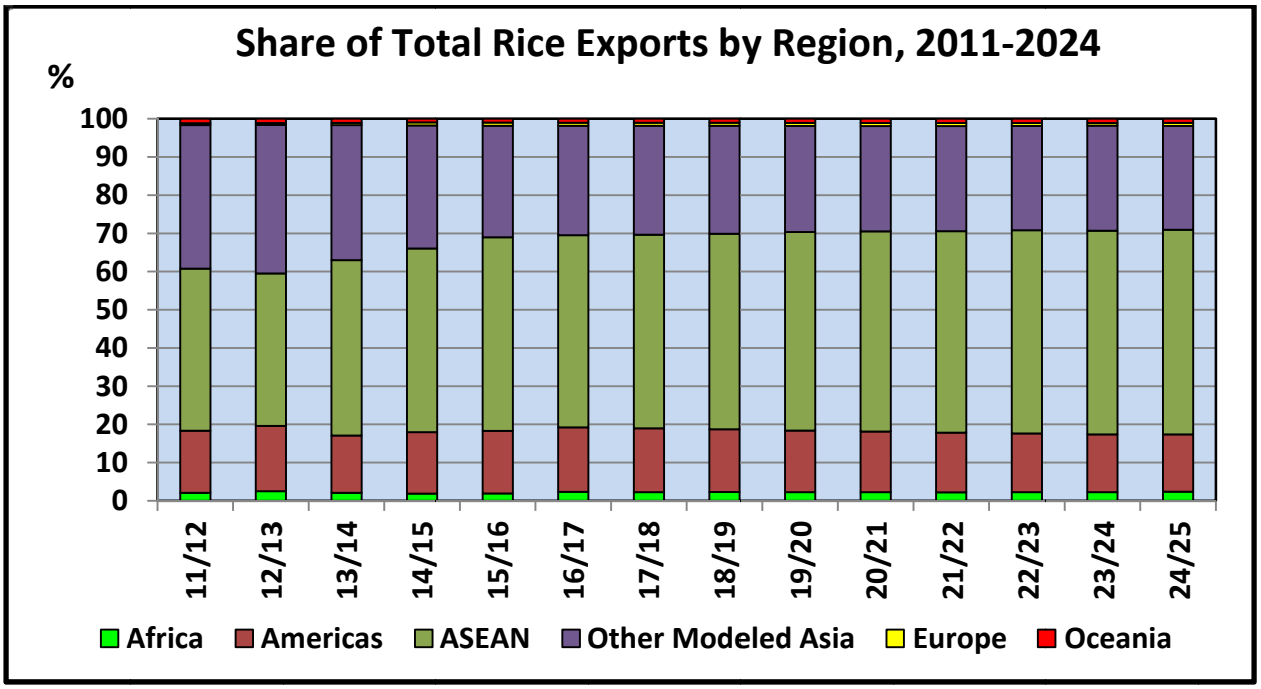


**Figure 10 Shares of Total Rice Exports by World Regions, Historical and Projected, 2011-2024.**

## Rice Import Demand

World rice imports are dominated by 14 countries that account for 56.0% of total imports over the baseline period. They are Nigeria, PRC, Iran, Iraq, Saudi Arabia, the Philippines, Indonesia, EU-28, Senegal, Cote d'Ivoire, Malaysia, South Africa, Mexico, and Ghana. Figure 11 shows the world's top 8 country rice importers.

Global rice net imports are projected to grow by 7.1 mmt over the 2013-2024 period, reaching 44.8 mmt, of which 77% of the growth is projected to come from Africa and 18% from the Middle East. Of the growth in African net imports, 62% is accounted for by the 15-member ECOWAS (Economic Community of West African States)[2] of which 37% is from Nigeria. The Middle East is projected to expand imports as production continues to lag consumption with population growing at 1.6% a year.

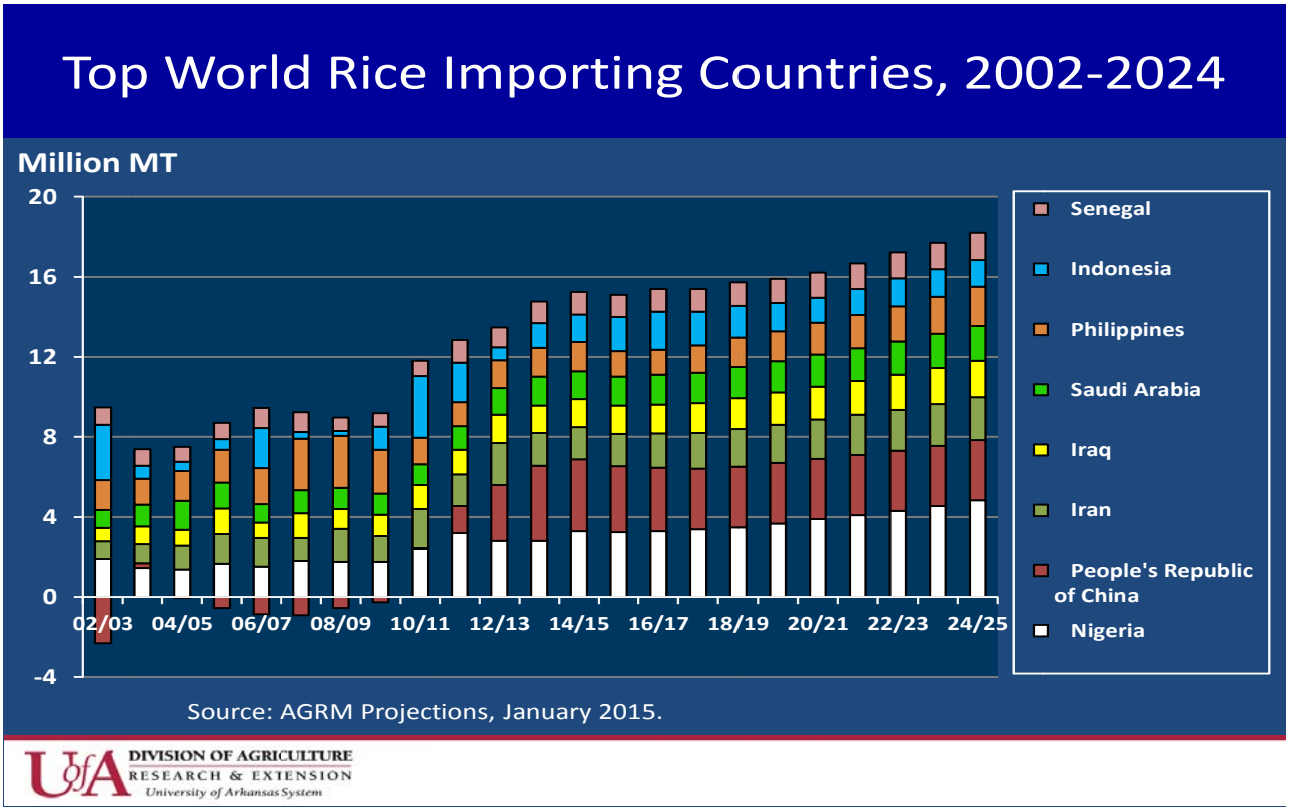


**Figure 11 Net Rice Imports by Top Countries, Historical and Projected, 2002-2024.**

The total rice imports by regions are shown in Figures 12 and 13.

[2] ECOWAS15-member countries include Cote D'Ivoire, Ghana, Guinea, Liberia, Mali, Nigeria, Senegal, Sierra Leone, Benin, Burkina-Faso, Gambia, Guinea-Bissau, Niger, Togo, and Cabo Verde.

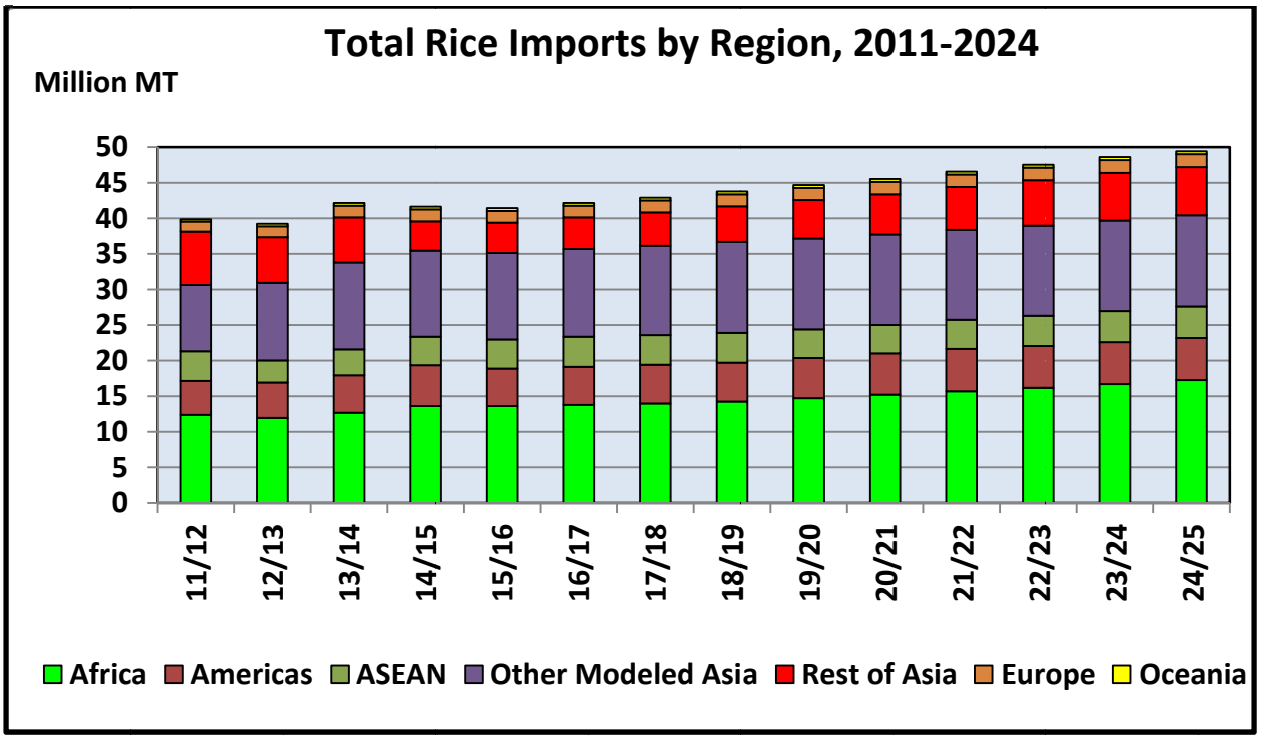


**Figure 12 Total Rice Imports by World Regions, Historical and Projected, 2011-2024.**

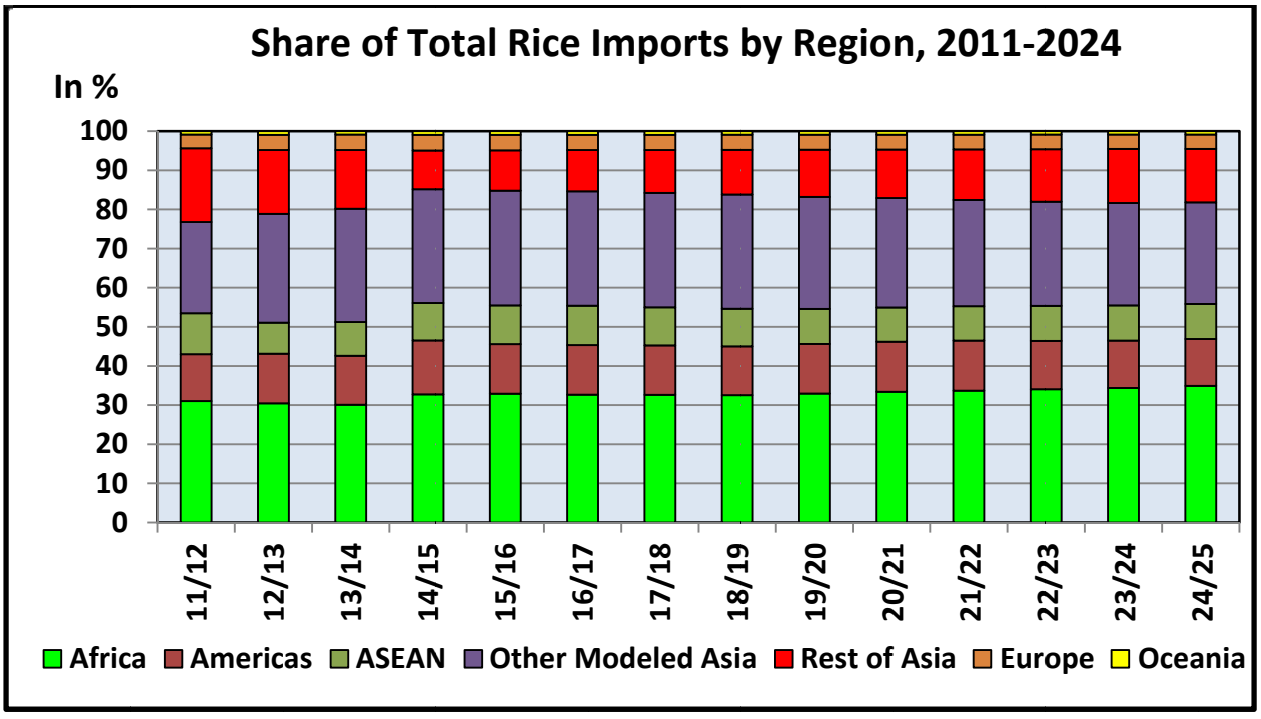


**Figure 13 Shares of Total Rice Imports by World Regions, Historical and Projected, 2011-2024.**

## Rice Harvested Area and Production

Major rice producing nations are shown in Figure 14. While the global rice harvested area is expected to increase by 2.25 million hectares over the baseline period reaching 165.1 million hectares in 2024, some notable changes for a number of countries/region are behind this figure. Expansion totaling 1.68 million hectares of rice is projected for six countries including Myanmar, Cambodia, Tanzania, Bangladesh, the U.S., and Lao PDR. An additional 1.64 million hectare expansion is expected in the West African ECOWAS region. In contrast, the total rice harvested area of the PRC is projected to decline by nearly 1.1 million hectares due to a shift to substitute crops and irrigation constraints. Indonesia, India, and Japan are expected to reduce combined area harvested by 598 thousand hectares.

The U.S. rice harvested area declined by 85 thousand hectares or 8% in 2013 to 1.0 million hectares (2.47 million acres) due to heavy rains that prevented planting in the Delta but expanded to 1.18 million hectares (2.92 million acres) in 2014 supported by normal weather and relatively higher returns compared to other crops. Thereafter, U.S. rice harvested area is projected to decline by 0.5% per year reaching 1.12 million hectares (2.78 million acres) due to increasing water constraints and a competitive market environment posed by substitute crops.

Other constraints to potential global rice expansion include competing uses for limited land and water; changing farm demographics—with farmers getting older and rising farm wages as labor migrates from farms to cities. Production pressures from climate change including rising sea levels abd more variable precipitation patterns; demand pressures including changing consumer tastes towards diversified diets; and emerging environmental issues associated with the rice carbon footprint also contribute to limit growth in the global rice economy.

The global milled rice output is projected to grow by a total of 51.1 mmt, reaching 528.1 mmt, over the period 2013-2024. By volume, 26.5% of the expected growth will come from India; 44.3% from the seven countries of Bangladesh, Indonesia, Myanmar, PRC, Thailand, Cambodia, and Vietnam combined; and 9.4% from ECOWAS. Total U.S. rice production is projected to increase by about 1.35 mmt (or 43.4 mil. cwt) over the same period, equivalent to 1.8% annual growth---with 1.1% of the growth attributed to area harvested and 0.7% to improved yields.

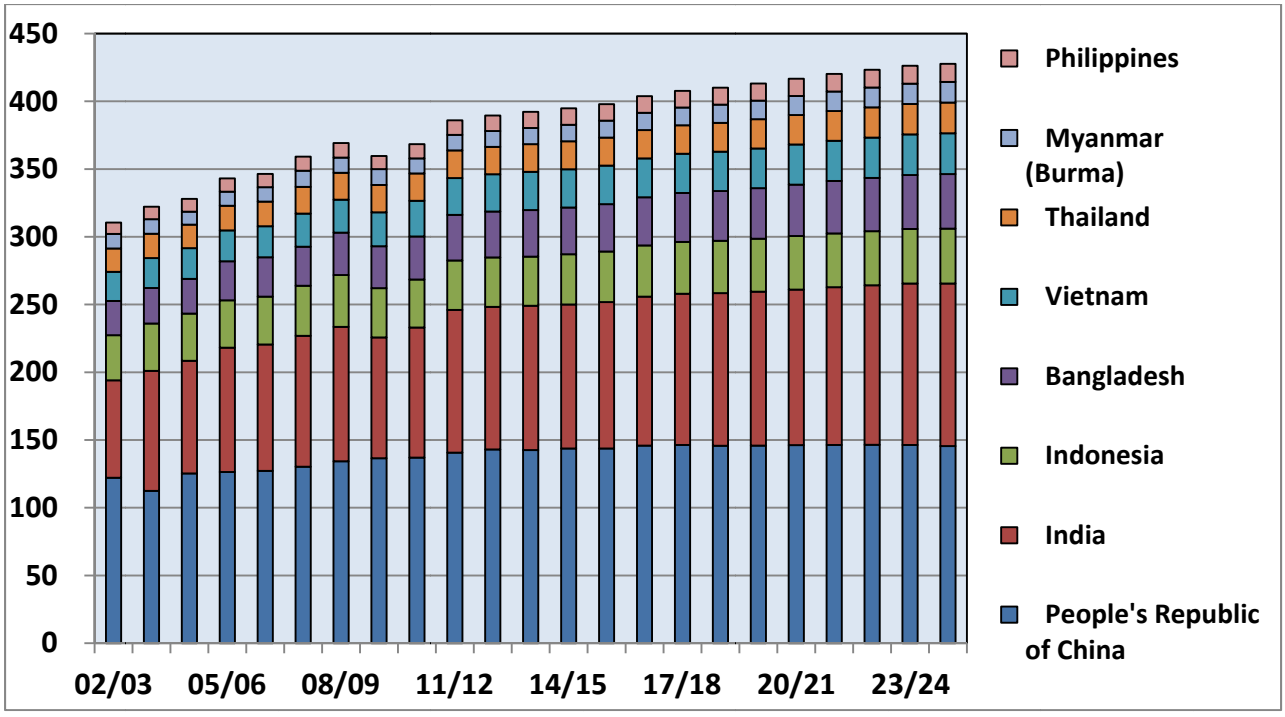


**Figure 14 Top World Rice Producing Countries, Historical and Projected 2002-2024.**

## Rice Domestic Consumption[3]

Rice consumption is largely determined by dietary tastes, per capita income, population, and other demographic variables. Rising incomes are associated with declining per capita consumption in some Asian countries where rice is considered an inferior good. Demographic trends also reducing rice demand as aging populations eat less rice and increasing health consciousness shifts preferences away from dependence on carbohydrates and towards more protein-based diets.

Over the projection period, global rice consumption will begin to slow and increase by only 47.9 mmt reaching 526.1 mmt in 2024. About 28% of the growth is accounted for by India; 27.1% by the four countries of Bangladesh, Indonesia, the Philippines, and Myanmar combined; and 16.6% by ECOWAS. Led by Nigeria, the total consumption of ECOWAS expands substantially at 3.7% per year, as the region's population grows at 2.6% and per capita consumption by 1.1%. The top world rice consuming countries are shown in Figure 15.

The PRC's rice per capita use continues to decline by 0.47% per year, while the country's population grows at 0.39% annually, resulting in net decline in total rice consumption of 0.8% annually or a total decrease of 1.22 mmt over the baseline. China's total consumption is projected at 145.1 mmt in 2024.

[3] In this study, domestic consumption includes direct consumption, industrial, seed and other uses.

U.S. rice consumption increases by nearly 582 tmt (or 18.2 mil. cwt) over the same period, reaching 4.6 mmt (143.2 million cwt) in 2024. This is equivalent to an annual growth of 1.24%, of which 0.49% comes from per capita use and 0.75% from population growth.

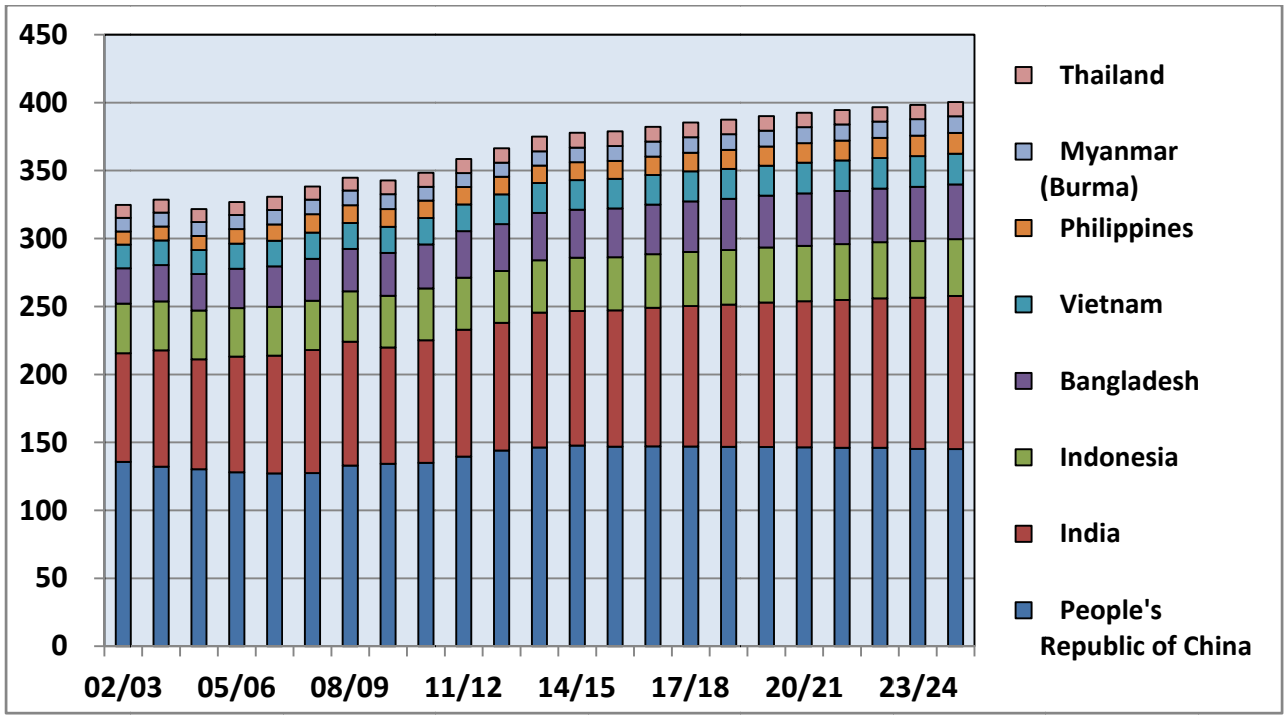


**Figure 15 Top World Rice Consuming Countries, Historical and Projected, 2002-2024.**

## Rice Global Stocks

Global rice stocks increases by an expected 23 mmt over the projection period, from 107 mmt in 2013 to 130 mmt in 2024, as increases production exceeds growth in consumption during the period.

Two countries are responsible for the bulk of the change in stocks over the baseline. China stocks expand by 25.4 mmt, as the country maintains a level of importation driven by low international import prices compared to its higher supported domestic prices. China also has a tariff rate quota (TRQ) for rice of 5.2 mmt, with a 1% tariff rate. Therefore we expect that the TRQ will continue to be used as long as imported price remain below local domestic prices. On the other hand, Thailand's stocks are expected to decline by 8.9 mmt over the period 2013 to 2024 as PPP government held stocks are liquidated. See Figure 16 for the major rice stock holding countries.

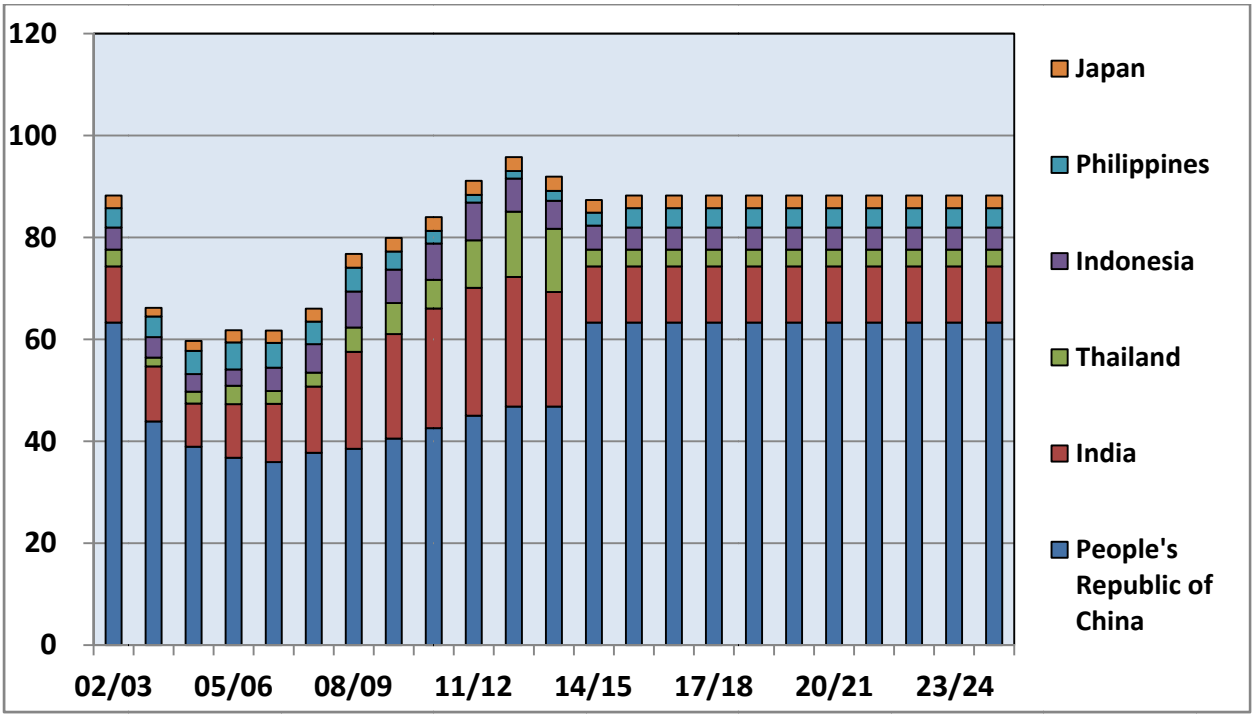


**Figure 16 Top countries in rice ending stocks, Historical and Projected, 2002-2024.**

## *Rice Supply and Demand by World Region*

The summary results for the five world regions are presented in Tables 48-64. Three tables are associated with each region: the first table is the total for the region; the second is the sum of individually-modeled countries in the region; and the third consists of the aggregate of the remaining countries in the region, which are modeled as a group. Thus, the sum of the five world regions represents the entire world rice economy.

A more detailed look at the regional projections is useful as it provides a better understanding of the geographical dynamics and the relative importance of each region to the global rice economy.

### Africa

Table 48 shows that Africa's total rice output is projected to grow by 3.1% per year, driven by both growth in area (1.8%) and yields (1.3%). This expected productivity improvement is supported by availability of increased research funding from international institutions and NGOs, a more focused effort by the Africa Rice Center and the International Rice Research Institute (IRRI), and expanded distribution and adoption of improved rice varieties such the locally-developed New Rice for Africa (NERICA) cultivars. The region's total rice consumption grows by 3.2% per year as population grows by 2.3% and

per capita use by 0.9% annually. This increased consumption is supported by a 4.9% growth in real per capita income.

Table 49 presents the results for the group of individually-modeled African countries in AGRM. This group is expected to grow total rice production by 3.2% per year, as area and yields grow by 2.0% and 1.2%, respectively. Total consumption of this group gains 3.2% annually, driven by 2.2% growth in population, 1.0% growth in per capita use, and 5.0% growth in real per capita income.

Table 50 shows that the "Other Africa" region (or the rest of African countries that are modeled as a group) expands its rice output by 2.4% per year, with 0.8% coming from growth in area and 1.6% from yield. Total consumption of this group expands at 2.8% per year, of which 2.3% comes from population growth and 0.5% from per capita use gain, supported by 4.7% gain in real per capita income.

## Americas

Total rice production of the Western Hemisphere (Table 51) grows at 1.3% per year which comes from 1.1% yield growth and an area harvested gain of 0.2% annually. Total consumption increases at 1.2% annually, a combined effect of 0.9% population growth and 0.3% gain in per capita use driven by a 2.6% growth in real per capita income.

The group of individually-modeled Western Hemisphere countries (Table 52) is projected to grow total rice output by 1.4% per year, as area harvested increases by 0.2% and yields grow by 1.2%. Total rice consumption of this group gains 0.9% annually, as the 1.2% growth in population is offset by a 0.3% decline in per capita use. Real per capita income grows at 2.6% per year.

Total rice production of the "Other Western Hemisphere" region modeled as a group (Table 53) increases by 1.1% per year, with 0.1% coming from area expansion and 1.0% from yield gain. Total consumption of this group grows at 1.9% per year, of which 0.9% comes from population growth and 1.0% from per capita use. Real per capita income grows by 3.5% annually.

## Asia

Total rice production of Asia (Table 54) increases by 0.8% per year, solely accounted for by yield growth as area harvested remains flat. The growth in total Asian consumption is 0.7% per year as population growth of 0.9% is offset by a 0.2% decline in per capita use. Rice is an inferior good in most Asian countries and the relatively strong projected growth of 4.8% in real per capita income has a dampening effect on rice consumption.

Similarly, the group of individually-modeled Asian countries (Table 55) is projected to grow total rice production by 0.8% annually based entirely on yield increases. Total rice consumption of this group grows by 0.6% annually, a result of population growth as per capita use declines by 0.2%. Real per capita increases by an average annual rate of 4.8%.

The growth of total rice output of the "Other Asia" region modeled as a group (Table 56) is 1.2% annually, with area harvested growing by 0.6% and yields gaining 0.6% per year. Total consumption of this group grows at 2.0% per year, of which 1.4% comes from population growth and 0.6% from per capita use; and real per capita income grows at 4.3% which is slightly slower than for the group of modeled Asian countries.

## Europe

The total rice production of Europe (Table 57) grows at 0.8% per year which is all accounted for by yield improvements. Total consumption increases slightly at 0.6%, almost solely from an increase of per capita use, as population is relatively flat. Real per capita income is up 1.8% per year.

The group of individually-modeled European countries (Table 58) is projected to increases total rice output slightly by 0.8% per year, based only on improvement in yields. Total consumption of this group increases by 0.5% annually, with population and per capita use accounting for 0.2% and 0.3%, respectively. Real per capita income of this group grows at 1.8% per year.

Total rice production of the "Other Europe" region modeled as a group (Table 59) grows slightly by 3.0% per year, as yield grows by 2.3% and harvested area by 0.7%. Consumption of this group grows at 1.5% per year, with the 1.8% gain in per capita use being offset by a 0.3% decline in population. The real per capita income of this group grows at 1.9% per year.

## Oceania

Tables 60 thru 62 show the results for Oceania which mainly consists of Australia. Total rice production expands by 2.6% per year, mainly from 2.1% gain in area harvested as yield grows only at 0.5%. Total consumption grows 1.7% annually, with 1.3% attributed to population growth and 0.4% to increases in per capita use. Real per capita income grows at 2.8% annually.

## World

Tables 63 thru 65 present the sum of the five world regions discussed above.

## ECOWAS

Production of this 15-country region is projected to grow by 4.2% per year, which comes from a 2.1% increase of harvested area and a 2.1 % yield improvement (Table 66). Consumption expands by 3.7% per year, driven by 2.6% population growth, 1.1% gain in per capita use, and 5.8% income growth. Net imports are projected to expand by 3.4 mmt over the next decade, equivalent to a growth rate of 3.3% per year—reaching 11.3 mmt by 2024.

Nigeria is the largest producer/consumer in the ECOWAS region's rice industry over the baseline period. Nigeria accounts for nearly 60% of the region's volume growth in net imports, as the country's domestic use continues to exceed domestic supply.

Nigeria accounts for 39% of the region's gain in rice area harvested. It contributes 33% of the region's rice output gain, based on a 4.1% annual growth in production supported by the strong growth in both area (2.0%) and yield (2.1%). Lastly, Nigeria accounts for 42% of the region's volume growth in consumption, as the country's rice consumption expands 4.2% annually with population growing at 2.7% and per capita use by 1.5% per year.

# Results of Stochastic Baseline Analysis

## *Detailed Results of the Stochastic Baseline Analysis*

The detailed results of the stochastic analyses for selected variables and countries are presented in Figures 17-33. In order to show the direction and dispersion of the stochastic outcome distribution, four selected outcome items (stochastic average, $10^{th}$ percentile, $90^{th}$ percentile, and the coefficient of variation) for selected variables are presented. Intuitively, the gap between the two percentiles ($10^{th}$ and $90^{th}$) indicates volatility or risk. Widening of this interval indicates increasing volatility over time and narrowing indicates decreasing volatility.

Another measure of dispersion of data points in a data series, such as each of the resulting probability distributions in this study, is the coefficient of variation (C.V.) which shows the extent of variability in relation to the mean. It is computed by dividing the standard deviation by the mean. A Lower C.V. indicates more stability, i.e., less risk. This information served as a useful decision-making guide for any agriculture-based business undertaking or government policy-making exercise.

The information projected in each one of the charts is similar in principle. Hence, for space consideration only one representative chart (Figure 17) will be discussed--which can then be used as a pattern in understanding the rest of the charts.

Figure 17 shows the long grain rice international reference price. For 2015, while the deterministic mean price is $433 per mt (Table 1), the stochastic distribution indicates that 10% of the time the average price will be higher than $535 per mt and 10% of the time lower than $364 per mt. The gap between the two percentiles is $171, which varies across the estimation period. The computed C.V. for 2015 is 15.3%.

Going forward to 2024, while the deterministic mean price is $485 per mt (Table 1), the stochastic distribution indicates that 10% of the time the average price will be higher than $574 per mt and lower than $421 per mt 10% of the time. In 2024 the gap between the two percentiles is smaller at $153, with a C.V. of only 11.9%.

Again, a similar analysis can be made for the rest of the stochastic results for the other selected variables presented. The same principle holds—with the difference being only with varying units and absolute numbers. This feature of the stochastic analysis provides an advantage as it indicates how the possible outcomes are distributed, thus providing additional information on risk and uncertainty which is an innate

characteristic of agricultural commodity enterprises and markets, such as that of rice. Thus, the stochastic analysis complements the basic information generated by the deterministic analysis by providing a better understanding of the dynamics of the global rice market.

## Summary and Conclusions

Projections in this baseline over the next decade indicate steady growth in global rice trade. Exports are expected to expand in Thailand, Cambodia, Vietnam, and Myanmar. Strong import growth is projected for Nigeria, other Western African countries, and the Middle East. Production growth will come mainly from yield improvements as area harvested increases only marginally. The world is projected to face abundant rice supplies due to surpluses, assuming normal weather conditions; increased productivity and increased use of modern growing and processing technologies; and a continuing policy focus on self-sufficiency in rice. Consumption growth will be driven solely by population growth as per capita use declines slightly.

Under the assumption of normal average weather, with global trade continuing to grow as deficit rice-consuming countries become more attuned to food security issues, an environment of reasonable, steady increase in global rice prices will likely prevail.

As in any other enterprise, however, there are risks involved in the rice industry due to the uncertainties of weather, domestic policies, political developments, and other unexpected events. Actual market outcomes usually deviate from average estimates hence a stochastic analysis is included in this report which indicate the probable upper and lower bounds (confidence intervals) of future possible distribution of outcomes.

Some of the uncertainties in the rice market include the following issues:

- Timing and ability of Thailand regarding it PPP rice stock disposal
- India's export capacity with expanded Public Distribution System
- How the high margins between Western Hemisphere and Asian prices will play out?
- The extent of growth in African import markets
- How successful will the rice self-sufficiency programs by SE Asian importers be?
- The growth in government subsidies (PRC, Indonesia, the Philippines, and Thailand)

Lastly, the authors hope that the information contained in this report serves as useful guide for various domestic and international stakeholders in the rice industry.

# Estimates of the Deterministic Baseline Analysis

Tables and Charts of Rice Supply, Utilization and Net Trade, 2013-2024

**Table 1 World Rice Net Trade by Country and International Reference Prices, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Net Exporters | | | | | | (Thousand Metric Tons) | | | | | | |
| Argentina | 595 | 590 | 624 | 647 | 636 | 665 | 651 | 653 | 672 | 680 | 688 | 702 |
| Australia | 310 | 250 | 266 | 280 | 290 | 304 | 330 | 355 | 368 | 382 | 388 | 391 |
| Cambodia | 995 | 1,178 | 1,268 | 1,362 | 1,565 | 1,766 | 1,890 | 2,003 | 2,114 | 2,235 | 2,360 | 2,417 |
| Lao PDR | -15 | -10 | 33 | 57 | 65 | 78 | 91 | 106 | 121 | 145 | 166 | 194 |
| Egypt | 575 | 476 | 479 | 648 | 644 | 670 | 690 | 710 | 726 | 734 | 738 | 741 |
| India | 10,300 | 8,582 | 7,185 | 7,038 | 7,122 | 7,244 | 7,246 | 7,314 | 7,544 | 7,694 | 8,045 | 8,064 |
| Myanmar (Burma) | 1,550 | 1,549 | 1,478 | 1,552 | 1,580 | 1,719 | 1,973 | 2,211 | 2,434 | 2,550 | 2,655 | 2,712 |
| Pakistan | 3,870 | 3,930 | 3,962 | 3,976 | 3,995 | 3,989 | 4,028 | 4,046 | 4,059 | 4,088 | 4,093 | 4,112 |
| Thailand | 10,000 | 10,208 | 10,692 | 10,913 | 11,096 | 11,365 | 11,650 | 11,921 | 12,173 | 12,444 | 12,744 | 13,129 |
| United States | 2,252 | 2,571 | 2,564 | 2,818 | 2,858 | 2,844 | 2,825 | 2,832 | 2,822 | 2,833 | 2,826 | 2,839 |
| Uruguay | 890 | 967 | 1,000 | 1,032 | 1,051 | 1,071 | 1,089 | 1,106 | 1,122 | 1,136 | 1,150 | 1,147 |
| Vietnam | 6,200 | 6,278 | 6,782 | 6,671 | 6,735 | 6,795 | 6,954 | 6,961 | 7,085 | 7,287 | 7,394 | 7,476 |
| Brazil | 200 | 159 | 409 | 472 | 513 | 523 | 621 | 705 | 749 | 813 | 833 | 853 |
| Total Net Exports * | 37,722 | 36,728 | 36,740 | 37,464 | 38,150 | 39,032 | 40,039 | 40,925 | 41,990 | 43,021 | 44,080 | 44,778 |
| Net Importers | | | | | | | | | | | | |
| Bangladesh | 751 | 615 | 872 | 846 | 986 | 1,012 | 819 | 620 | 378 | 223 | 128 | 84 |
| People's Republic of China | 3,758 | 3,581 | 3,295 | 3,184 | 3,038 | 3,025 | 3,039 | 3,021 | 3,008 | 3,015 | 2,996 | 3,001 |
| Brunei Darussalam | 60 | 44 | 44 | 46 | 46 | 48 | 48 | 49 | 50 | 51 | 53 | 53 |
| Cameroon | 525 | 508 | 509 | 523 | 544 | 542 | 560 | 586 | 587 | 598 | 592 | 586 |
| Canada | 377 | 381 | 386 | 391 | 404 | 413 | 423 | 431 | 440 | 448 | 457 | 465 |
| China - Hong Kong | 420 | 426 | 423 | 423 | 426 | 428 | 430 | 432 | 433 | 435 | 436 | 437 |
| Colombia | 325 | 362 | 345 | 347 | 359 | 372 | 377 | 383 | 385 | 386 | 392 | 394 |
| Cote d'Ivoire | 1,120 | 1,129 | 1,156 | 1,169 | 1,169 | 1,200 | 1,215 | 1,230 | 1,243 | 1,255 | 1,270 | 1,268 |
| European Union-28 | 1,285 | 1,182 | 1,165 | 1,171 | 1,190 | 1,204 | 1,220 | 1,222 | 1,234 | 1,270 | 1,304 | 1,271 |
| Ghana | 600 | 638 | 693 | 731 | 740 | 764 | 784 | 802 | 814 | 840 | 844 | 870 |
| Guinea | 240 | 225 | 205 | 199 | 189 | 162 | 162 | 169 | 169 | 177 | 188 | 215 |
| Indonesia | 1,225 | 1,368 | 1,705 | 1,910 | 1,682 | 1,599 | 1,412 | 1,270 | 1,311 | 1,376 | 1,359 | 1,315 |
| Iran | 1,650 | 1,603 | 1,605 | 1,714 | 1,782 | 1,870 | 1,899 | 1,957 | 2,006 | 2,046 | 2,104 | 2,138 |
| Iraq | 1,350 | 1,396 | 1,412 | 1,445 | 1,491 | 1,553 | 1,598 | 1,644 | 1,697 | 1,747 | 1,796 | 1,842 |
| Japan | 454 | 482 | 482 | 482 | 482 | 482 | 482 | 482 | 482 | 482 | 482 | 482 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kenya | 430 | 387 | 419 | 427 | 440 | 447 | 474 | 502 | 522 | 553 | 583 | 605 |
| Liberia | 300 | 301 | 302 | 295 | 300 | 307 | 314 | 324 | 334 | 342 | 356 | 369 |
| Malaysia | 1,100 | 1,098 | 1,049 | 1,061 | 1,092 | 1,099 | 1,135 | 1,138 | 1,157 | 1,170 | 1,196 | 1,210 |
| Mali | 150 | 51 | 17 | -32 | -16 | -18 | -7 | 2 | 1 | -24 | -42 | -128 |
| Mexico | 691 | 777 | 755 | 769 | 788 | 808 | 827 | 848 | 876 | 884 | 885 | 906 |
| Mozambique | 500 | 532 | 541 | 563 | 585 | 618 | 643 | 670 | 700 | 729 | 759 | 781 |
| Nigeria | 2,800 | 3,302 | 3,254 | 3,280 | 3,381 | 3,484 | 3,673 | 3,889 | 4,086 | 4,299 | 4,550 | 4,830 |
| Philippines | 1,450 | 1,469 | 1,270 | 1,246 | 1,364 | 1,471 | 1,483 | 1,570 | 1,649 | 1,752 | 1,860 | 1,981 |
| Saudi Arabia | 1,450 | 1,404 | 1,457 | 1,485 | 1,518 | 1,551 | 1,585 | 1,616 | 1,645 | 1,673 | 1,701 | 1,726 |
| Senegal | 1,090 | 1,130 | 1,105 | 1,121 | 1,143 | 1,175 | 1,206 | 1,239 | 1,271 | 1,306 | 1,335 | 1,369 |
| Sierra Leone | 270 | 222 | 205 | 196 | 176 | 158 | 153 | 151 | 154 | 141 | 135 | 139 |
| Singapore | 300 | 304 | 308 | 312 | 317 | 319 | 322 | 325 | 327 | 329 | 331 | 332 |
| South Africa | 910 | 968 | 969 | 985 | 1,004 | 1,024 | 1,049 | 1,070 | 1,094 | 1,105 | 1,113 | 1,125 |
| South Korea | 308 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 |
| Taiwan | 125 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 | 116 |
| Tanzania | 170 | 178 | 127 | 83 | 66 | 62 | 73 | 75 | 108 | 130 | 182 | 204 |
| Turkey | 321 | 275 | 268 | 296 | 287 | 299 | 311 | 319 | 315 | 325 | 331 | 329 |
| Other Africa | 3,205 | 3,683 | 3,752 | 3,825 | 3,878 | 3,929 | 4,035 | 4,128 | 4,230 | 4,328 | 4,424 | 4,523 |
| Other Americas | 1,493 | 1,810 | 1,569 | 1,702 | 1,760 | 1,772 | 2,018 | 2,218 | 2,342 | 2,296 | 2,300 | 2,281 |
| Other Asia | 3,056 | 2,772 | 2,921 | 3,036 | 3,175 | 3,378 | 3,703 | 3,865 | 4,137 | 4,404 | 4,656 | 4,672 |
| Other Europe | 130 | 165 | 143 | 131 | 137 | 139 | 143 | 146 | 149 | 151 | 154 | 157 |
| Other Oceania | 215 | 230 | 235 | 239 | 244 | 248 | 252 | 256 | 261 | 265 | 269 | 273 |
| Ecowas 7 | 1,340 | 1,308 | 1,346 | 1,441 | 1,559 | 1,674 | 1,785 | 1,910 | 2,039 | 2,176 | 2,268 | 2,349 |
| Residual | 1,778 | -101 | -95 | -102 | -103 | -111 | -133 | -159 | -172 | -187 | -192 | -199 |
| Total Net Imports | 37,722 | 36,728 | 36,740 | 37,464 | 38,150 | 39,032 | 40,039 | 40,925 | 41,990 | 43,021 | 44,080 | 44,778 |
| Prices | | | | | (U.S. Dollars per Metric Ton) | | | | | | | |
| International Rice Reference Price | 428 | 426 | 433 | 455 | 457 | 465 | 469 | 473 | 475 | 478 | 479 | 485 |
| U.S. FOB Gulf Ports | 603 | 527 | 528 | 527 | 532 | 538 | 538 | 541 | 541 | 537 | 538 | 536 |
| U.S. No. 2 Medium FOB CA | 816 | 875 | 849 | 818 | 826 | 815 | 822 | 831 | 834 | 825 | 829 | 832 |

*Total net exports are the sum of all positive net exports and negative net imports.

**Table 2 World Rice Supply, Utilization, Total Trade and Stocks-to Use, 2013-2024.**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 160,865 | 160,920 | 161,316 | 161,910 | 162,268 | 162,395 | 162,521 | 162,686 | 162,783 | 162,804 | 163,076 | 163,110 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.96 | 2.99 | 3.01 | 3.04 | 3.07 | 3.09 | 3.12 | 3.15 | 3.17 | 3.20 | 3.22 | 3.24 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 476,960 | 481,031 | 485,460 | 492,798 | 498,335 | 502,293 | 506,810 | 511,660 | 516,527 | 520,994 | 525,281 | 528,072 |
| Beginning Stocks | 110,095 | 107,067 | 105,159 | 105,552 | 108,056 | 111,050 | 113,633 | 115,813 | 118,146 | 121,051 | 124,159 | 127,747 |
| Domestic Supply | 587,055 | 588,098 | 590,619 | 598,350 | 606,391 | 613,343 | 620,443 | 627,473 | 634,674 | 642,045 | 649,441 | 655,820 |
| Consumption | 478,200 | 483,033 | 485,162 | 490,396 | 495,444 | 499,821 | 504,763 | 509,486 | 513,794 | 518,072 | 521,885 | 526,094 |
| Ending Stocks | 107,067 | 105,159 | 105,552 | 108,056 | 111,050 | 113,633 | 115,813 | 118,146 | 121,051 | 124,159 | 127,747 | 129,925 |
| Domestic Use | 585,267 | 588,193 | 590,714 | 598,453 | 606,495 | 613,454 | 620,576 | 627,632 | 634,845 | 642,232 | 649,633 | 656,019 |
| Total Trade | 42,226 | 41,705 | 41,502 | 42,205 | 42,960 | 43,830 | 44,746 | 45,594 | 46,639 | 47,582 | 48,638 | 49,377 |
| | | | | | | (Percent) | | | | | | |
| Stocks-to-Use Ratio | 22.39 | 21.77 | 21.76 | 22.03 | 22.41 | 22.73 | 22.94 | 23.19 | 23.56 | 23.97 | 24.48 | 24.70 |

**Table 3 U.S. Rice Supply, Utilization, Net Trade and Farm Prices, 2013-2024.**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 999 | 1,181 | 1,156 | 1,158 | 1,155 | 1,155 | 1,150 | 1,141 | 1,134 | 1,129 | 1,124 | 1,124 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 6.12 | 5.98 | 6.10 | 6.17 | 6.23 | 6.29 | 6.35 | 6.40 | 6.46 | 6.52 | 6.58 | 6.64 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 6,117 | 7,068 | 7,056 | 7,138 | 7,193 | 7,262 | 7,299 | 7,308 | 7,327 | 7,361 | 7,391 | 7,462 |
| Beginning Stocks | 1,156 | 1,025 | 1,288 | 1,488 | 1,422 | 1,328 | 1,270 | 1,247 | 1,212 | 1,194 | 1,170 | 1,165 |
| Domestic Supply | 7,273 | 8,093 | 8,344 | 8,625 | 8,615 | 8,590 | 8,569 | 8,556 | 8,539 | 8,555 | 8,561 | 8,627 |
| Consumption | 3,996 | 4,227 | 4,293 | 4,386 | 4,428 | 4,476 | 4,496 | 4,511 | 4,523 | 4,552 | 4,571 | 4,578 |
| Ending Stocks | 1,025 | 1,288 | 1,488 | 1,422 | 1,328 | 1,270 | 1,247 | 1,212 | 1,194 | 1,170 | 1,165 | 1,209 |
| Domestic Use | 5,021 | 5,515 | 5,780 | 5,808 | 5,756 | 5,746 | 5,743 | 5,724 | 5,717 | 5,722 | 5,735 | 5,788 |
| Net Trade | 2,252 | 2,571 | 2,564 | 2,818 | 2,858 | 2,844 | 2,825 | 2,832 | 2,822 | 2,833 | 2,826 | 2,839 |

| U.S. Rice Farm Prices | | | (U.S. Dollars per Hundredweight) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Season Average Farm Price | 16.10 | 14.15 | 13.65 | 13.64 | 13.75 | 13.90 | 13.92 | 13.97 | 13.96 | 13.87 | 13.88 | 13.86 |
| Long Grain Farm Price | 15.40 | 12.32 | 12.25 | 12.21 | 12.28 | 12.41 | 12.43 | 12.48 | 12.46 | 12.37 | 12.37 | 12.34 |
| Japonica Farm Price | 19.90 | 21.74 | 18.65 | 18.58 | 18.69 | 18.88 | 18.90 | 18.97 | 18.94 | 18.81 | 18.81 | 18.78 |
| Medium/short (excl. Japonica) Farm Price | 15.80 | 15.00 | 14.92 | 14.87 | 14.95 | 15.11 | 15.12 | 15.18 | 15.16 | 15.06 | 15.06 | 15.03 |

## Table 4 Argentina Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 241 | 241 | 240 | 242 | 243 | 243 | 244 | 244 | 245 | 245 | 245 | 245 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 4.26 | 4.24 | 4.31 | 4.38 | 4.45 | 4.50 | 4.56 | 4.62 | 4.67 | 4.71 | 4.76 | 4.83 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,027 | 1,022 | 1,035 | 1,061 | 1,083 | 1,096 | 1,111 | 1,129 | 1,145 | 1,155 | 1,166 | 1,180 |
| Beginning Stocks | 227 | 224 | 215 | 181 | 147 | 141 | 117 | 117 | 130 | 135 | 139 | 142 |
| Domestic Supply | 1,254 | 1,246 | 1,250 | 1,242 | 1,230 | 1,238 | 1,228 | 1,246 | 1,275 | 1,290 | 1,305 | 1,322 |
| Consumption | 435 | 442 | 444 | 448 | 453 | 456 | 460 | 463 | 468 | 471 | 475 | 479 |
| Ending Stocks | 224 | 215 | 181 | 147 | 141 | 117 | 117 | 130 | 135 | 139 | 142 | 140 |
| Domestic Use | 659 | 657 | 625 | 595 | 594 | 573 | 577 | 593 | 603 | 610 | 617 | 620 |
| Net Trade | 595 | 590 | 624 | 647 | 636 | 665 | 651 | 653 | 672 | 680 | 688 | 702 |

## Table 5 Australia Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 76 | 71 | 87 | 95 | 99 | 101 | 100 | 99 | 99 | 98 | 97 | 96 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 7.89 | 7.11 | 7.42 | 7.49 | 7.57 | 7.66 | 7.77 | 7.87 | 7.98 | 8.08 | 8.19 | 8.30 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 600 | 505 | 642 | 709 | 748 | 771 | 778 | 782 | 787 | 791 | 792 | 794 |
| Beginning Stocks | 238 | 171 | 60 | 64 | 117 | 195 | 274 | 328 | 357 | 372 | 370 | 358 |
| Domestic Supply | 838 | 676 | 702 | 773 | 865 | 965 | 1,052 | 1,110 | 1,144 | 1,163 | 1,161 | 1,152 |
| Consumption | 357 | 366 | 372 | 376 | 381 | 387 | 394 | 398 | 404 | 412 | 416 | 419 |
| Ending Stocks | 171 | 60 | 64 | 117 | 195 | 274 | 328 | 357 | 372 | 370 | 358 | 342 |
| Domestic Use | 528 | 426 | 436 | 493 | 575 | 661 | 722 | 755 | 776 | 781 | 773 | 761 |
| Net Trade | 310 | 250 | 266 | 280 | 290 | 304 | 330 | 355 | 368 | 382 | 388 | 391 |

## Table 6 Bangladesh Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 11,770 | 11,800 | 11,804 | 11,844 | 11,863 | 11,876 | 11,922 | 11,969 | 12,021 | 12,045 | 12,066 | 12,060 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.92 | 2.93 | 2.96 | 3.01 | 3.05 | 3.09 | 3.13 | 3.17 | 3.22 | 3.26 | 3.30 | 3.33 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 34,390 | 34,600 | 34,959 | 35,593 | 36,159 | 36,660 | 37,308 | 37,967 | 38,680 | 39,250 | 39,770 | 40,212 |
| Beginning Stocks | 696 | 937 | 905 | 867 | 830 | 823 | 833 | 833 | 832 | 841 | 849 | 858 |
| Domestic Supply | 35,086 | 35,537 | 35,864 | 36,460 | 36,989 | 37,483 | 38,141 | 38,799 | 39,512 | 40,091 | 40,620 | 41,069 |
| Consumption | 34,900 | 35,247 | 35,869 | 36,477 | 37,152 | 37,661 | 38,128 | 38,588 | 39,049 | 39,464 | 39,890 | 40,287 |
| Ending Stocks | 937 | 905 | 867 | 830 | 823 | 833 | 833 | 832 | 841 | 849 | 858 | 866 |
| Domestic Use | 35,837 | 36,152 | 36,736 | 37,306 | 37,975 | 38,494 | 38,960 | 39,420 | 39,890 | 40,313 | 40,748 | 41,153 |
| Net Trade | -751 | -615 | -872 | -846 | -986 | -1,012 | -819 | -620 | -378 | -223 | -128 | -84 |

**Table 7 Brazil Rice Supply, Utilization and Net Trade, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 2,400 | 2,403 | 2,394 | 2,378 | 2,385 | 2,378 | 2,371 | 2,372 | 2,373 | 2,375 | 2,373 | 2,371 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.46 | 3.47 | 3.48 | 3.53 | 3.55 | 3.60 | 3.66 | 3.71 | 3.75 | 3.79 | 3.83 | 3.87 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 8,300 | 8,331 | 8,337 | 8,389 | 8,467 | 8,551 | 8,686 | 8,801 | 8,899 | 9,002 | 9,097 | 9,175 |
| Beginning Stocks | 528 | 728 | 977 | 1,104 | 1,184 | 1,229 | 1,267 | 1,301 | 1,335 | 1,371 | 1,407 | 1,444 |
| Domestic Supply | 8,828 | 9,059 | 9,314 | 9,493 | 9,652 | 9,780 | 9,953 | 10,101 | 10,234 | 10,372 | 10,504 | 10,619 |
| Consumption | 7,900 | 7,923 | 7,802 | 7,837 | 7,909 | 7,990 | 8,031 | 8,061 | 8,115 | 8,152 | 8,226 | 8,282 |
| Ending Stocks | 728 | 977 | 1,104 | 1,184 | 1,229 | 1,267 | 1,301 | 1,335 | 1,371 | 1,407 | 1,444 | 1,484 |
| Domestic Use | 8,628 | 8,900 | 8,906 | 9,022 | 9,138 | 9,257 | 9,332 | 9,396 | 9,485 | 9,559 | 9,670 | 9,766 |
| Net Trade | 200 | 159 | 409 | 472 | 513 | 523 | 621 | 705 | 749 | 813 | 833 | 853 |

**Table 8 Brunei Darussalam Rice Supply, Utilization and Net Trade, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Beginning Stocks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Domestic Supply | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Consumption | 61 | 45 | 45 | 47 | 47 | 49 | 49 | 50 | 51 | 52 | 54 | 54 |
| Ending Stocks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Domestic Use | 61 | 45 | 45 | 47 | 47 | 49 | 49 | 50 | 51 | 52 | 54 | 54 |
| Net Trade | -60 | -44 | -44 | -46 | -46 | -48 | -48 | -49 | -50 | -51 | -53 | -53 |

## Table 9 Cambodia Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 2,970 | 3,056 | 3,052 | 3,112 | 3,172 | 3,223 | 3,277 | 3,286 | 3,301 | 3,316 | 3,326 | 3,337 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.59 | 1.61 | 1.67 | 1.70 | 1.75 | 1.81 | 1.84 | 1.89 | 1.95 | 2.00 | 2.05 | 2.08 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 4,725 | 4,934 | 5,101 | 5,276 | 5,561 | 5,841 | 6,044 | 6,227 | 6,424 | 6,624 | 6,817 | 6,946 |
| Beginning Stocks | 221 | 301 | 305 | 308 | 311 | 314 | 317 | 320 | 323 | 326 | 329 | 332 |
| Domestic Supply | 4,946 | 5,235 | 5,406 | 5,584 | 5,872 | 6,155 | 6,361 | 6,547 | 6,746 | 6,950 | 7,147 | 7,278 |
| Consumption | 3,650 | 3,752 | 3,831 | 3,911 | 3,992 | 4,071 | 4,151 | 4,221 | 4,306 | 4,386 | 4,455 | 4,526 |
| Ending Stocks | 301 | 305 | 308 | 311 | 314 | 317 | 320 | 323 | 326 | 329 | 332 | 335 |
| Domestic Use | 3,951 | 4,057 | 4,138 | 4,222 | 4,306 | 4,389 | 4,472 | 4,544 | 4,632 | 4,715 | 4,787 | 4,861 |
| Net Trade | 995 | 1,178 | 1,268 | 1,362 | 1,565 | 1,766 | 1,890 | 2,003 | 2,114 | 2,235 | 2,360 | 2,417 |

## Table 10 Cameroon Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 167 | 148 | 155 | 166 | 176 | 186 | 196 | 207 | 216 | 228 | 240 | 253 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 0.73 | 0.87 | 0.92 | 0.98 | 1.02 | 1.04 | 1.06 | 1.08 | 1.10 | 1.12 | 1.14 | 1.17 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 122 | 130 | 143 | 163 | 178 | 194 | 208 | 225 | 239 | 255 | 275 | 296 |
| Beginning Stocks | 0 | 0 | 2 | 3 | 8 | 14 | 14 | 15 | 16 | 16 | 16 | 17 |
| Domestic Supply | 122 | 130 | 145 | 166 | 187 | 207 | 223 | 239 | 254 | 271 | 291 | 313 |
| Consumption | 647 | 636 | 652 | 681 | 717 | 736 | 768 | 810 | 826 | 852 | 866 | 882 |
| Ending Stocks | 0 | 2 | 3 | 8 | 14 | 14 | 15 | 16 | 16 | 16 | 17 | 17 |
| Domestic Use | 647 | 638 | 654 | 689 | 731 | 750 | 783 | 826 | 842 | 869 | 883 | 899 |
| Net Trade | -525 | -508 | -509 | -523 | -544 | -542 | -560 | -586 | -587 | -598 | -592 | -586 |

## Table 11 Canada Rice Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Thousand Metric Tons) | | | | | | | | | | | |
| Consumption | 377 | 381 | 386 | 391 | 404 | 413 | 423 | 431 | 440 | 448 | 457 | 465 |
| Ending Stocks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Domestic Use | 377 | 381 | 386 | 391 | 404 | 413 | 423 | 431 | 440 | 448 | 457 | 465 |
| Net Trade | -377 | -381 | -386 | -391 | -404 | -413 | -423 | -431 | -440 | -448 | -457 | -465 |

## Table 12 People's Republic of China Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Thousand Hectares) | | | | | | | | | | | |
| Area Harvested | 30,312 | 30,313 | 30,131 | 30,226 | 30,234 | 30,020 | 29,872 | 29,784 | 29,637 | 29,495 | 29,384 | 29,218 |
| | (Metric Tons per Hectare) | | | | | | | | | | | |
| Yield | 4.70 | 4.74 | 4.77 | 4.83 | 4.84 | 4.86 | 4.88 | 4.91 | 4.94 | 4.97 | 4.98 | 4.98 |
| | (Thousand Metric Tons) | | | | | | | | | | | |
| Production | 142,530 | 143,697 | 143,786 | 145,900 | 146,372 | 145,754 | 145,814 | 146,165 | 146,286 | 146,512 | 146,291 | 145,463 |
| Beginning Stocks | 46,826 | 46,814 | 46,385 | 46,618 | 48,637 | 51,049 | 53,129 | 55,322 | 58,063 | 61,287 | 64,780 | 68,822 |
| Domestic Supply | 189,356 | 190,511 | 190,171 | 192,517 | 195,008 | 196,803 | 198,943 | 201,487 | 204,349 | 207,799 | 211,072 | 214,286 |
| Consumption | 146,300 | 147,707 | 146,848 | 147,064 | 146,998 | 146,699 | 146,660 | 146,445 | 146,071 | 146,033 | 145,246 | 145,079 |
| Ending Stocks | 46,814 | 46,385 | 46,618 | 48,637 | 51,049 | 53,129 | 55,322 | 58,063 | 61,287 | 64,780 | 68,822 | 72,207 |
| Domestic Use | 193,114 | 194,092 | 193,466 | 195,701 | 198,047 | 199,828 | 201,982 | 204,508 | 207,358 | 210,813 | 214,068 | 217,286 |
| Net Trade | -3,758 | -3,581 | -3,295 | -3,184 | -3,038 | -3,025 | -3,039 | -3,021 | -3,008 | -3,015 | -2,996 | -3,001 |

## Table 13 Colombia Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 450 | 400 | 408 | 413 | 417 | 418 | 418 | 418 | 418 | 417 | 417 | 416 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.91 | 3.25 | 3.29 | 3.33 | 3.37 | 3.41 | 3.45 | 3.49 | 3.53 | 3.57 | 3.61 | 3.65 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,310 | 1,300 | 1,342 | 1,375 | 1,403 | 1,425 | 1,444 | 1,459 | 1,475 | 1,490 | 1,505 | 1,520 |
| Beginning Stocks | 85 | 120 | 162 | 219 | 276 | 325 | 365 | 402 | 436 | 469 | 504 | 535 |
| Domestic Supply | 1,395 | 1,420 | 1,504 | 1,594 | 1,678 | 1,750 | 1,809 | 1,861 | 1,910 | 1,959 | 2,009 | 2,055 |
| Consumption | 1,600 | 1,620 | 1,630 | 1,665 | 1,713 | 1,757 | 1,784 | 1,808 | 1,827 | 1,841 | 1,866 | 1,884 |
| Ending Stocks | 120 | 162 | 219 | 276 | 325 | 365 | 402 | 436 | 469 | 504 | 535 | 565 |
| Domestic Use | 1,720 | 1,782 | 1,849 | 1,941 | 2,038 | 2,122 | 2,186 | 2,244 | 2,296 | 2,345 | 2,401 | 2,449 |
| Net Trade | -325 | -362 | -345 | -347 | -359 | -372 | -377 | -383 | -385 | -386 | -392 | -394 |

## Table 14 Cote D'Ivoire Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 450 | 458 | 466 | 489 | 498 | 500 | 510 | 521 | 537 | 553 | 562 | 575 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.16 | 1.18 | 1.19 | 1.23 | 1.27 | 1.29 | 1.32 | 1.34 | 1.37 | 1.39 | 1.42 | 1.46 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 520 | 541 | 553 | 602 | 631 | 646 | 671 | 699 | 734 | 770 | 796 | 838 |
| Beginning Stocks | 181 | 171 | 165 | 167 | 173 | 175 | 178 | 182 | 185 | 189 | 194 | 197 |
| Domestic Supply | 701 | 712 | 718 | 768 | 804 | 820 | 850 | 881 | 919 | 959 | 990 | 1,036 |
| Consumption | 1,650 | 1,676 | 1,708 | 1,765 | 1,798 | 1,842 | 1,883 | 1,926 | 1,972 | 2,020 | 2,062 | 2,103 |
| Ending Stocks | 171 | 165 | 167 | 173 | 175 | 178 | 182 | 185 | 189 | 194 | 197 | 201 |
| Domestic Use | 1,821 | 1,841 | 1,875 | 1,937 | 1,973 | 2,020 | 2,065 | 2,111 | 2,162 | 2,214 | 2,259 | 2,304 |
| Net Trade | -1,120 | -1,129 | -1,156 | -1,169 | -1,169 | -1,200 | -1,215 | -1,230 | -1,243 | -1,255 | -1,270 | -1,268 |

## Table 15 Egypt Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 770 | 665 | 709 | 718 | 727 | 729 | 734 | 739 | 740 | 740 | 741 | 741 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 6.17 | 6.77 | 6.23 | 6.34 | 6.43 | 6.55 | 6.62 | 6.68 | 6.74 | 6.80 | 6.86 | 6.92 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 4,750 | 4,501 | 4,415 | 4,550 | 4,672 | 4,777 | 4,861 | 4,933 | 4,987 | 5,034 | 5,081 | 5,125 |
| Beginning Stocks | 427 | 602 | 630 | 599 | 514 | 554 | 604 | 651 | 691 | 708 | 709 | 698 |
| Domestic Supply | 5,177 | 5,103 | 5,045 | 5,148 | 5,186 | 5,331 | 5,465 | 5,584 | 5,678 | 5,742 | 5,790 | 5,823 |
| Consumption | 4,000 | 3,997 | 3,967 | 3,987 | 3,988 | 4,057 | 4,125 | 4,183 | 4,244 | 4,299 | 4,354 | 4,402 |
| Ending Stocks | 602 | 630 | 599 | 514 | 554 | 604 | 651 | 691 | 708 | 709 | 698 | 680 |
| Domestic Use | 4,602 | 4,626 | 4,565 | 4,501 | 4,542 | 4,661 | 4,776 | 4,874 | 4,951 | 5,008 | 5,052 | 5,082 |
| Net Trade | 575 | 476 | 479 | 648 | 644 | 670 | 690 | 710 | 726 | 734 | 738 | 741 |

## Table 16 EU-28 Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 438 | 438 | 439 | 439 | 439 | 439 | 438 | 438 | 438 | 438 | 438 | 438 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 4.49 | 4.48 | 4.54 | 4.58 | 4.62 | 4.66 | 4.70 | 4.74 | 4.78 | 4.82 | 4.86 | 4.90 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,965 | 1,966 | 1,994 | 2,011 | 2,027 | 2,044 | 2,058 | 2,075 | 2,093 | 2,111 | 2,129 | 2,147 |
| Beginning Stocks | 1,188 | 1,188 | 1,077 | 993 | 919 | 848 | 786 | 730 | 671 | 619 | 599 | 612 |
| Domestic Supply | 3,153 | 3,154 | 3,071 | 3,003 | 2,946 | 2,892 | 2,845 | 2,805 | 2,764 | 2,730 | 2,729 | 2,759 |
| Consumption | 3,250 | 3,259 | 3,243 | 3,255 | 3,288 | 3,309 | 3,334 | 3,356 | 3,380 | 3,400 | 3,421 | 3,439 |
| Ending Stocks | 1,188 | 1,077 | 993 | 919 | 848 | 786 | 730 | 671 | 619 | 599 | 612 | 592 |
| Domestic Use | 4,438 | 4,336 | 4,236 | 4,174 | 4,136 | 4,096 | 4,065 | 4,027 | 3,998 | 3,999 | 4,033 | 4,030 |
| Net Trade | -1,285 | -1,182 | -1,165 | -1,171 | -1,190 | -1,204 | -1,220 | -1,222 | -1,234 | -1,270 | -1,304 | -1,271 |

## Table 17 Ghana Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 220 | 223 | 235 | 249 | 266 | 280 | 294 | 309 | 324 | 339 | 354 | 369 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.60 | 1.63 | 1.66 | 1.71 | 1.76 | 1.80 | 1.83 | 1.86 | 1.89 | 1.92 | 1.95 | 1.98 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 352 | 363 | 388 | 426 | 468 | 503 | 538 | 574 | 612 | 651 | 690 | 730 |
| Beginning Stocks | 172 | 149 | 150 | 164 | 178 | 189 | 201 | 212 | 223 | 233 | 246 | 255 |
| Domestic Supply | 524 | 512 | 538 | 590 | 646 | 692 | 739 | 786 | 835 | 884 | 935 | 985 |
| Consumption | 975 | 1,000 | 1,068 | 1,142 | 1,197 | 1,255 | 1,311 | 1,365 | 1,416 | 1,478 | 1,525 | 1,587 |
| Ending Stocks | 149 | 150 | 164 | 178 | 189 | 201 | 212 | 223 | 233 | 246 | 255 | 267 |
| Domestic Use | 1,124 | 1,150 | 1,231 | 1,320 | 1,386 | 1,456 | 1,523 | 1,588 | 1,649 | 1,723 | 1,780 | 1,855 |
| Net Trade | -600 | -638 | -693 | -731 | -740 | -764 | -784 | -802 | -814 | -840 | -844 | -870 |

## Table 18 Guinea Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 1,100 | 1,151 | 1,155 | 1,166 | 1,179 | 1,193 | 1,196 | 1,198 | 1,202 | 1,206 | 1,212 | 1,218 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.23 | 1.27 | 1.29 | 1.32 | 1.35 | 1.38 | 1.40 | 1.43 | 1.46 | 1.49 | 1.52 | 1.55 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,355 | 1,456 | 1,496 | 1,541 | 1,590 | 1,642 | 1,680 | 1,717 | 1,756 | 1,797 | 1,840 | 1,886 |
| Beginning Stocks | 145 | 130 | 163 | 165 | 167 | 168 | 169 | 171 | 172 | 174 | 176 | 178 |
| Domestic Supply | 1,500 | 1,586 | 1,660 | 1,706 | 1,757 | 1,811 | 1,850 | 1,888 | 1,928 | 1,971 | 2,016 | 2,063 |
| Consumption | 1,610 | 1,648 | 1,699 | 1,739 | 1,778 | 1,803 | 1,841 | 1,884 | 1,924 | 1,972 | 2,026 | 2,098 |
| Ending Stocks | 130 | 163 | 165 | 167 | 168 | 169 | 171 | 172 | 174 | 176 | 178 | 181 |
| Domestic Use | 1,740 | 1,811 | 1,865 | 1,906 | 1,947 | 1,972 | 2,011 | 2,056 | 2,098 | 2,148 | 2,204 | 2,278 |
| Net Trade | -240 | -225 | -205 | -199 | -189 | -162 | -162 | -169 | -169 | -177 | -188 | -215 |

## Table 19 China-Hong Kong Rice Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Consumption | 420 | 426 | 423 | 423 | 426 | 428 | 430 | 432 | 433 | 435 | 436 | 437 |
| Ending Stocks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Domestic Use | 420 | 426 | 423 | 423 | 426 | 428 | 430 | 432 | 433 | 435 | 436 | 437 |
| Net Trade | -420 | -426 | -423 | -423 | -426 | -428 | -430 | -432 | -433 | -435 | -436 | -437 |

## Table 20 India Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 43,940 | 43,505 | 43,606 | 43,661 | 43,660 | 43,649 | 43,584 | 43,568 | 43,531 | 43,474 | 43,637 | 43,666 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.42 | 2.44 | 2.48 | 2.52 | 2.55 | 2.58 | 2.61 | 2.64 | 2.68 | 2.71 | 2.73 | 2.75 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 106,540 | 106,331 | 108,004 | 109,958 | 111,549 | 112,662 | 113,690 | 114,912 | 116,453 | 117,694 | 119,204 | 120,108 |
| Beginning Stocks | 25,440 | 22,500 | 21,228 | 21,704 | 22,693 | 23,792 | 24,531 | 24,728 | 24,862 | 25,016 | 25,075 | 24,985 |
| Domestic Supply | 131,980 | 128,831 | 129,233 | 131,662 | 134,242 | 136,454 | 138,221 | 139,640 | 141,315 | 142,710 | 144,280 | 145,094 |
| Consumption | 99,180 | 99,020 | 100,344 | 101,931 | 103,329 | 104,678 | 106,248 | 107,464 | 108,755 | 109,940 | 111,250 | 112,636 |
| Ending Stocks | 22,500 | 21,228 | 21,704 | 22,693 | 23,792 | 24,531 | 24,728 | 24,862 | 25,016 | 25,075 | 24,985 | 24,393 |
| Domestic Use | 121,680 | 120,249 | 122,048 | 124,624 | 127,120 | 129,210 | 130,975 | 132,325 | 133,770 | 135,015 | 136,235 | 137,029 |
| Net Trade | 10,300 | 8,582 | 7,185 | 7,038 | 7,122 | 7,244 | 7,246 | 7,314 | 7,544 | 7,694 | 8,045 | 8,064 |

## Table 21 Indonesia Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 12,100 | 12,159 | 12,200 | 12,201 | 12,202 | 12,193 | 12,173 | 12,133 | 12,090 | 12,031 | 11,997 | 11,995 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.00 | 3.05 | 3.06 | 3.09 | 3.14 | 3.17 | 3.21 | 3.25 | 3.29 | 3.32 | 3.36 | 3.37 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 36,300 | 37,047 | 37,371 | 37,735 | 38,315 | 38,658 | 39,119 | 39,480 | 39,797 | 39,975 | 40,328 | 40,478 |
| Beginning Stocks | 6,476 | 5,501 | 4,708 | 4,736 | 4,906 | 5,041 | 5,120 | 5,160 | 5,178 | 5,186 | 5,189 | 5,190 |
| Domestic Supply | 42,776 | 42,548 | 42,078 | 42,471 | 43,221 | 43,699 | 44,239 | 44,640 | 44,975 | 45,161 | 45,517 | 45,667 |
| Consumption | 38,500 | 39,208 | 39,047 | 39,475 | 39,862 | 40,178 | 40,491 | 40,733 | 41,100 | 41,348 | 41,687 | 41,793 |
| Ending Stocks | 5,501 | 4,708 | 4,736 | 4,906 | 5,041 | 5,120 | 5,160 | 5,178 | 5,186 | 5,189 | 5,190 | 5,190 |
| Domestic Use | 44,001 | 43,916 | 43,783 | 44,381 | 44,903 | 45,298 | 45,651 | 45,911 | 46,285 | 46,537 | 46,876 | 46,983 |
| Net Trade | -1,225 | -1,368 | -1,705 | -1,910 | -1,682 | -1,599 | -1,412 | -1,270 | -1,311 | -1,376 | -1,359 | -1,315 |

## Table 22 Iran Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 590 | 604 | 609 | 616 | 623 | 625 | 629 | 631 | 638 | 644 | 649 | 655 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.80 | 2.83 | 2.86 | 2.88 | 2.91 | 2.93 | 2.96 | 2.98 | 3.01 | 3.03 | 3.06 | 3.08 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,650 | 1,711 | 1,741 | 1,775 | 1,810 | 1,832 | 1,860 | 1,883 | 1,919 | 1,953 | 1,985 | 2,020 |
| Beginning Stocks | 925 | 825 | 759 | 648 | 604 | 593 | 600 | 612 | 630 | 650 | 672 | 696 |
| Domestic Supply | 2,575 | 2,536 | 2,500 | 2,424 | 2,414 | 2,425 | 2,460 | 2,495 | 2,549 | 2,604 | 2,657 | 2,716 |
| Consumption | 3,400 | 3,379 | 3,457 | 3,534 | 3,603 | 3,694 | 3,747 | 3,823 | 3,905 | 3,978 | 4,066 | 4,136 |
| Ending Stocks | 825 | 759 | 648 | 604 | 593 | 600 | 612 | 630 | 650 | 672 | 696 | 718 |
| Domestic Use | 4,225 | 4,139 | 4,105 | 4,138 | 4,196 | 4,295 | 4,359 | 4,452 | 4,555 | 4,650 | 4,761 | 4,854 |
| Net Trade | -1,650 | -1,603 | -1,605 | -1,714 | -1,782 | -1,870 | -1,899 | -1,957 | -2,006 | -2,046 | -2,104 | -2,138 |

## Table 23 Iraq Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 82 | 82 | 78 | 79 | 81 | 83 | 88 | 90 | 89 | 89 | 89 | 92 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.20 | 2.21 | 2.21 | 2.23 | 2.25 | 2.26 | 2.28 | 2.29 | 2.30 | 2.31 | 2.32 | 2.34 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 180 | 181 | 173 | 176 | 182 | 189 | 201 | 205 | 204 | 206 | 207 | 216 |
| Beginning Stocks | 219 | 274 | 321 | 347 | 358 | 365 | 371 | 377 | 383 | 387 | 391 | 394 |
| Domestic Supply | 399 | 455 | 494 | 523 | 540 | 554 | 572 | 582 | 587 | 593 | 598 | 610 |
| Consumption | 1,475 | 1,529 | 1,559 | 1,609 | 1,666 | 1,736 | 1,792 | 1,844 | 1,897 | 1,949 | 2,000 | 2,054 |
| Ending Stocks | 274 | 321 | 347 | 358 | 365 | 371 | 377 | 383 | 387 | 391 | 394 | 397 |
| Domestic Use | 1,749 | 1,850 | 1,906 | 1,968 | 2,032 | 2,107 | 2,170 | 2,226 | 2,283 | 2,340 | 2,394 | 2,451 |
| Net Trade | -1,350 | -1,396 | -1,412 | -1,445 | -1,491 | -1,553 | -1,598 | -1,644 | -1,697 | -1,747 | -1,796 | -1,842 |

## Table 24 Japan Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 1,599 | 1,598 | 1,574 | 1,525 | 1,488 | 1,470 | 1,462 | 1,440 | 1,436 | 1,433 | 1,419 | 1,379 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 4.90 | 4.89 | 4.87 | 4.86 | 4.88 | 4.89 | 4.90 | 4.92 | 4.93 | 4.93 | 4.94 | 4.95 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 7,832 | 7,804 | 7,664 | 7,412 | 7,262 | 7,187 | 7,167 | 7,078 | 7,070 | 7,066 | 7,010 | 6,823 |
| Beginning Stocks | 2,742 | 2,778 | 2,841 | 2,909 | 2,750 | 2,611 | 2,426 | 2,262 | 2,084 | 1,963 | 1,892 | 1,850 |
| Domestic Supply | 10,574 | 10,582 | 10,506 | 10,320 | 10,012 | 9,799 | 9,593 | 9,340 | 9,154 | 9,029 | 8,902 | 8,673 |
| Consumption | 8,250 | 8,223 | 8,079 | 8,052 | 7,883 | 7,854 | 7,813 | 7,737 | 7,673 | 7,619 | 7,534 | 7,460 |
| Ending Stocks | 2,778 | 2,841 | 2,909 | 2,750 | 2,611 | 2,426 | 2,262 | 2,084 | 1,963 | 1,892 | 1,850 | 1,695 |
| Domestic Use | 11,028 | 11,064 | 10,988 | 10,802 | 10,494 | 10,281 | 10,075 | 9,822 | 9,636 | 9,511 | 9,384 | 9,155 |
| Net Trade | -454 | -482 | -482 | -482 | -482 | -482 | -482 | -482 | -482 | -482 | -482 | -482 |

## Table 25 Kenya Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 28 | 29 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.46 | 3.29 | 3.40 | 3.53 | 3.61 | 3.69 | 3.74 | 3.79 | 3.84 | 3.89 | 3.94 | 3.99 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 97 | 96 | 104 | 112 | 119 | 125 | 131 | 137 | 142 | 148 | 154 | 160 |
| Beginning Stocks | 100 | 142 | 133 | 139 | 141 | 144 | 143 | 150 | 158 | 164 | 173 | 182 |
| Domestic Supply | 197 | 238 | 237 | 251 | 260 | 269 | 274 | 286 | 300 | 313 | 327 | 342 |
| Consumption | 475 | 492 | 517 | 537 | 556 | 573 | 599 | 630 | 658 | 693 | 728 | 758 |
| Ending Stocks | 142 | 133 | 139 | 141 | 144 | 143 | 150 | 158 | 164 | 173 | 182 | 190 |
| Domestic Use | 617 | 625 | 656 | 679 | 700 | 716 | 748 | 788 | 822 | 866 | 910 | 948 |
| Net Trade | -430 | -387 | -419 | -427 | -440 | -447 | -474 | -502 | -522 | -553 | -583 | -605 |

## Table 26 Lao PDR Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 869 | 901 | 904 | 922 | 930 | 936 | 943 | 949 | 961 | 972 | 982 | 991 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.69 | 1.72 | 1.81 | 1.84 | 1.87 | 1.90 | 1.93 | 1.96 | 1.99 | 2.02 | 2.05 | 2.09 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,465 | 1,547 | 1,636 | 1,699 | 1,741 | 1,781 | 1,823 | 1,865 | 1,909 | 1,960 | 2,010 | 2,068 |
| Beginning Stocks | 206 | 136 | 120 | 122 | 123 | 124 | 125 | 127 | 128 | 129 | 130 | 131 |
| Domestic Supply | 1,671 | 1,683 | 1,756 | 1,820 | 1,865 | 1,906 | 1,948 | 1,992 | 2,036 | 2,089 | 2,140 | 2,199 |
| Consumption | 1,550 | 1,572 | 1,602 | 1,640 | 1,675 | 1,703 | 1,731 | 1,758 | 1,786 | 1,815 | 1,843 | 1,873 |
| Ending Stocks | 136 | 120 | 122 | 123 | 124 | 125 | 127 | 128 | 129 | 130 | 131 | 132 |
| Domestic Use | 1,686 | 1,693 | 1,724 | 1,764 | 1,800 | 1,828 | 1,857 | 1,886 | 1,915 | 1,944 | 1,974 | 2,005 |
| Net Trade | -15 | -10 | 33 | 57 | 65 | 78 | 91 | 106 | 121 | 145 | 166 | 194 |

## Table 27 Liberia Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 230 | 250 | 256 | 261 | 267 | 273 | 278 | 284 | 288 | 293 | 297 | 301 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 0.65 | 0.80 | 0.83 | 0.85 | 0.88 | 0.89 | 0.90 | 0.91 | 0.92 | 0.93 | 0.94 | 0.94 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 150 | 200 | 212 | 223 | 235 | 243 | 250 | 257 | 264 | 271 | 278 | 285 |
| Beginning Stocks | 53 | 43 | 54 | 55 | 55 | 56 | 56 | 57 | 57 | 58 | 59 | 59 |
| Domestic Supply | 203 | 243 | 265 | 278 | 290 | 298 | 306 | 314 | 322 | 329 | 337 | 344 |
| Consumption | 460 | 490 | 512 | 518 | 535 | 549 | 564 | 581 | 597 | 612 | 634 | 653 |
| Ending Stocks | 43 | 54 | 55 | 55 | 56 | 56 | 57 | 57 | 58 | 59 | 59 | 60 |
| Domestic Use | 503 | 544 | 567 | 573 | 590 | 605 | 621 | 638 | 655 | 671 | 693 | 713 |
| Net Trade | -300 | -301 | -302 | -295 | -300 | -307 | -314 | -324 | -334 | -342 | -356 | -369 |

## Table 28 Malaysia Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 690 | 689 | 688 | 687 | 687 | 686 | 686 | 685 | 685 | 685 | 684 | 683 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.54 | 2.58 | 2.59 | 2.62 | 2.64 | 2.66 | 2.69 | 2.73 | 2.75 | 2.79 | 2.82 | 2.85 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,755 | 1,775 | 1,781 | 1,800 | 1,814 | 1,825 | 1,849 | 1,869 | 1,887 | 1,908 | 1,929 | 1,950 |
| Beginning Stocks | 588 | 668 | 737 | 735 | 730 | 736 | 721 | 729 | 725 | 721 | 718 | 724 |
| Domestic Supply | 2,343 | 2,443 | 2,518 | 2,535 | 2,544 | 2,561 | 2,570 | 2,599 | 2,612 | 2,630 | 2,647 | 2,674 |
| Consumption | 2,775 | 2,804 | 2,832 | 2,865 | 2,900 | 2,938 | 2,976 | 3,012 | 3,048 | 3,082 | 3,118 | 3,154 |
| Ending Stocks | 668 | 737 | 735 | 730 | 736 | 721 | 729 | 725 | 721 | 718 | 724 | 730 |
| Domestic Use | 3,443 | 3,541 | 3,567 | 3,595 | 3,636 | 3,660 | 3,705 | 3,737 | 3,769 | 3,800 | 3,842 | 3,884 |
| Net Trade | -1,100 | -1,098 | -1,049 | -1,061 | -1,092 | -1,099 | -1,135 | -1,138 | -1,157 | -1,170 | -1,196 | -1,210 |

## Table 29 Mali Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 605 | 690 | 703 | 727 | 744 | 753 | 761 | 767 | 773 | 782 | 790 | 819 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.38 | 2.12 | 2.20 | 2.27 | 2.35 | 2.42 | 2.48 | 2.54 | 2.60 | 2.68 | 2.74 | 2.80 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,438 | 1,466 | 1,549 | 1,650 | 1,746 | 1,822 | 1,891 | 1,946 | 2,011 | 2,093 | 2,165 | 2,296 |
| Beginning Stocks | 87 | 195 | 198 | 200 | 197 | 197 | 194 | 193 | 190 | 187 | 185 | 182 |
| Domestic Supply | 1,525 | 1,661 | 1,747 | 1,851 | 1,944 | 2,018 | 2,085 | 2,139 | 2,201 | 2,280 | 2,349 | 2,478 |
| Consumption | 1,480 | 1,513 | 1,563 | 1,621 | 1,731 | 1,806 | 1,886 | 1,951 | 2,015 | 2,071 | 2,126 | 2,171 |
| Ending Stocks | 195 | 198 | 200 | 197 | 197 | 194 | 193 | 190 | 187 | 185 | 182 | 178 |
| Domestic Use | 1,675 | 1,712 | 1,764 | 1,819 | 1,928 | 2,000 | 2,078 | 2,141 | 2,202 | 2,256 | 2,308 | 2,349 |
| Net Trade | -150 | -51 | -17 | 32 | 16 | 18 | 7 | -2 | -1 | 24 | 42 | 128 |

## Table 30 Mexico Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 35 | 39 | 40 | 40 | 41 | 41 | 40 | 40 | 40 | 40 | 40 | 40 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.74 | 3.76 | 3.79 | 3.83 | 3.86 | 3.88 | 3.91 | 3.93 | 3.96 | 4.00 | 4.02 | 4.01 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 131 | 145 | 151 | 155 | 157 | 157 | 158 | 159 | 160 | 161 | 162 | 161 |
| Beginning Stocks | 189 | 151 | 180 | 185 | 187 | 190 | 193 | 194 | 196 | 199 | 199 | 192 |
| Domestic Supply | 320 | 296 | 332 | 340 | 343 | 347 | 351 | 353 | 356 | 360 | 361 | 354 |
| Consumption | 860 | 893 | 901 | 922 | 942 | 962 | 984 | 1,004 | 1,034 | 1,045 | 1,054 | 1,063 |
| Ending Stocks | 151 | 180 | 185 | 187 | 190 | 193 | 194 | 196 | 199 | 199 | 192 | 197 |
| Domestic Use | 1,011 | 1,073 | 1,087 | 1,109 | 1,132 | 1,155 | 1,178 | 1,200 | 1,232 | 1,244 | 1,246 | 1,259 |
| Net Trade | -691 | -777 | -755 | -769 | -788 | -808 | -827 | -848 | -876 | -884 | -885 | -906 |

## Table 31 Mozambique Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 240 | 240 | 240 | 241 | 241 | 242 | 243 | 245 | 246 | 248 | 250 | 252 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 0.95 | 0.95 | 0.97 | 0.99 | 1.01 | 1.03 | 1.04 | 1.05 | 1.07 | 1.09 | 1.11 | 1.14 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 228 | 228 | 234 | 239 | 245 | 250 | 254 | 257 | 263 | 270 | 277 | 287 |
| Beginning Stocks | 0 | 0 | 14 | 15 | 16 | 17 | 18 | 19 | 21 | 22 | 23 | 25 |
| Domestic Supply | 228 | 228 | 248 | 254 | 260 | 267 | 272 | 277 | 284 | 292 | 301 | 312 |
| Consumption | 728 | 746 | 774 | 801 | 828 | 866 | 895 | 926 | 962 | 998 | 1,035 | 1,067 |
| Ending Stocks | 0 | 14 | 15 | 16 | 17 | 18 | 19 | 21 | 22 | 23 | 25 | 26 |
| Domestic Use | 728 | 760 | 789 | 817 | 845 | 885 | 914 | 947 | 984 | 1,021 | 1,060 | 1,093 |
| Net Trade | -500 | -532 | -541 | -563 | -585 | -618 | -643 | -670 | -700 | -729 | -759 | -781 |

## Table 32 Myanmar Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 7,050 | 7,093 | 7,138 | 7,181 | 7,236 | 7,277 | 7,323 | 7,370 | 7,410 | 7,438 | 7,470 | 7,495 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.70 | 1.71 | 1.74 | 1.78 | 1.81 | 1.85 | 1.88 | 1.91 | 1.94 | 1.97 | 2.00 | 2.02 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 11,957 | 12,152 | 12,452 | 12,789 | 13,101 | 13,436 | 13,759 | 14,088 | 14,407 | 14,657 | 14,940 | 15,162 |
| Beginning Stocks | 553 | 510 | 394 | 436 | 520 | 638 | 816 | 943 | 1,059 | 1,169 | 1,307 | 1,486 |
| Domestic Supply | 12,510 | 12,662 | 12,846 | 13,225 | 13,621 | 14,073 | 14,575 | 15,032 | 15,466 | 15,826 | 16,246 | 16,648 |
| Consumption | 10,450 | 10,719 | 10,932 | 11,154 | 11,403 | 11,539 | 11,658 | 11,761 | 11,864 | 11,969 | 12,105 | 12,286 |
| Ending Stocks | 510 | 394 | 436 | 520 | 638 | 816 | 943 | 1,059 | 1,169 | 1,307 | 1,486 | 1,650 |
| Domestic Use | 10,960 | 11,113 | 11,368 | 11,673 | 12,041 | 12,355 | 12,602 | 12,820 | 13,032 | 13,276 | 13,591 | 13,936 |
| Net Trade | 1,550 | 1,549 | 1,478 | 1,552 | 1,580 | 1,719 | 1,973 | 2,211 | 2,434 | 2,550 | 2,655 | 2,712 |

## Table 33 Nigeria Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 2,500 | 2,303 | 2,497 | 2,630 | 2,730 | 2,815 | 2,864 | 2,928 | 2,996 | 3,065 | 3,110 | 3,117 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.11 | 1.11 | 1.14 | 1.18 | 1.22 | 1.26 | 1.29 | 1.30 | 1.32 | 1.34 | 1.36 | 1.40 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 2,772 | 2,563 | 2,853 | 3,111 | 3,323 | 3,551 | 3,681 | 3,805 | 3,952 | 4,101 | 4,237 | 4,353 |
| Beginning Stocks | 885 | 657 | 649 | 667 | 683 | 696 | 704 | 711 | 715 | 718 | 721 | 722 |
| Domestic Supply | 3,657 | 3,220 | 3,502 | 3,778 | 4,007 | 4,246 | 4,386 | 4,515 | 4,667 | 4,819 | 4,957 | 5,075 |
| Consumption | 5,800 | 5,873 | 6,089 | 6,374 | 6,692 | 7,026 | 7,348 | 7,690 | 8,034 | 8,398 | 8,785 | 9,182 |
| Ending Stocks | 657 | 649 | 667 | 683 | 696 | 704 | 711 | 715 | 718 | 721 | 722 | 723 |
| Domestic Use | 6,457 | 6,522 | 6,756 | 7,058 | 7,387 | 7,730 | 8,058 | 8,405 | 8,753 | 9,118 | 9,507 | 9,906 |
| Net Trade | -2,800 | -3,302 | -3,254 | -3,280 | -3,381 | -3,484 | -3,673 | -3,889 | -4,086 | -4,299 | -4,550 | -4,830 |

## Table 34 Pakistan Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 2,760 | 2,749 | 2,745 | 2,728 | 2,729 | 2,730 | 2,726 | 2,737 | 2,729 | 2,717 | 2,727 | 2,726 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.43 | 2.43 | 2.45 | 2.49 | 2.51 | 2.55 | 2.58 | 2.58 | 2.62 | 2.65 | 2.66 | 2.67 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 6,700 | 6,684 | 6,718 | 6,803 | 6,853 | 6,963 | 7,024 | 7,063 | 7,158 | 7,194 | 7,242 | 7,268 |
| Beginning Stocks | 500 | 700 | 759 | 754 | 771 | 776 | 844 | 873 | 874 | 897 | 876 | 835 |
| Domestic Supply | 7,200 | 7,384 | 7,477 | 7,558 | 7,624 | 7,740 | 7,868 | 7,935 | 8,033 | 8,091 | 8,118 | 8,103 |
| Consumption | 2,630 | 2,696 | 2,761 | 2,811 | 2,853 | 2,907 | 2,967 | 3,016 | 3,077 | 3,126 | 3,189 | 3,243 |
| Ending Stocks | 700 | 759 | 754 | 771 | 776 | 844 | 873 | 874 | 897 | 876 | 835 | 748 |
| Domestic Use | 3,330 | 3,455 | 3,515 | 3,582 | 3,629 | 3,751 | 3,840 | 3,890 | 3,974 | 4,002 | 4,025 | 3,992 |
| Net Trade | 3,870 | 3,930 | 3,962 | 3,976 | 3,995 | 3,989 | 4,028 | 4,046 | 4,059 | 4,088 | 4,093 | 4,112 |

## Table 35 Philippines Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 4,800 | 4,888 | 4,877 | 4,866 | 4,850 | 4,872 | 4,890 | 4,893 | 4,898 | 4,893 | 4,898 | 4,893 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.47 | 2.50 | 2.51 | 2.52 | 2.55 | 2.57 | 2.59 | 2.62 | 2.65 | 2.68 | 2.71 | 2.73 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 11,858 | 12,227 | 12,255 | 12,282 | 12,348 | 12,506 | 12,688 | 12,808 | 12,962 | 13,109 | 13,253 | 13,375 |
| Beginning Stocks | 1,487 | 1,945 | 2,551 | 2,846 | 2,919 | 2,956 | 2,986 | 3,019 | 3,045 | 3,071 | 3,100 | 3,130 |
| Domestic Supply | 13,345 | 14,172 | 14,806 | 15,129 | 15,268 | 15,462 | 15,674 | 15,827 | 16,007 | 16,180 | 16,353 | 16,505 |
| Consumption | 12,850 | 13,090 | 13,230 | 13,455 | 13,675 | 13,947 | 14,138 | 14,353 | 14,585 | 14,832 | 15,082 | 15,326 |
| Ending Stocks | 1,945 | 2,551 | 2,846 | 2,919 | 2,956 | 2,986 | 3,019 | 3,045 | 3,071 | 3,100 | 3,130 | 3,161 |
| Domestic Use | 14,795 | 15,641 | 16,076 | 16,374 | 16,631 | 16,933 | 17,157 | 17,397 | 17,656 | 17,931 | 18,212 | 18,487 |
| Net Trade | -1,450 | -1,469 | -1,270 | -1,246 | -1,364 | -1,471 | -1,483 | -1,570 | -1,649 | -1,752 | -1,860 | -1,981 |

## Table 36 Saudi Arabia Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Beginning Stocks | 260 | 285 | 260 | 261 | 263 | 266 | 269 | 272 | 275 | 278 | 281 | 284 |
| Domestic Supply | 260 | 285 | 260 | 261 | 263 | 266 | 269 | 272 | 275 | 278 | 281 | 284 |
| Consumption | 1,425 | 1,429 | 1,456 | 1,483 | 1,516 | 1,548 | 1,582 | 1,613 | 1,642 | 1,671 | 1,698 | 1,724 |
| Ending Stocks | 285 | 260 | 261 | 263 | 266 | 269 | 272 | 275 | 278 | 281 | 284 | 286 |
| Domestic Use | 1,710 | 1,689 | 1,717 | 1,746 | 1,782 | 1,817 | 1,854 | 1,888 | 1,920 | 1,952 | 1,982 | 2,010 |
| Net Trade | -1,450 | -1,404 | -1,457 | -1,485 | -1,518 | -1,551 | -1,585 | -1,616 | -1,645 | -1,673 | -1,701 | -1,726 |

## Table 37 Senegal Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 107 | 130 | 142 | 150 | 154 | 155 | 156 | 157 | 157 | 157 | 157 | 157 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.71 | 2.71 | 2.77 | 2.84 | 2.91 | 2.98 | 3.05 | 3.11 | 3.19 | 3.25 | 3.30 | 3.36 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 290 | 353 | 392 | 425 | 448 | 463 | 476 | 487 | 500 | 510 | 519 | 529 |
| Beginning Stocks | 174 | 154 | 190 | 198 | 207 | 216 | 226 | 235 | 243 | 252 | 261 | 265 |
| Domestic Supply | 464 | 507 | 582 | 623 | 655 | 679 | 702 | 722 | 743 | 762 | 780 | 794 |
| Consumption | 1,400 | 1,448 | 1,489 | 1,536 | 1,582 | 1,629 | 1,673 | 1,717 | 1,762 | 1,806 | 1,850 | 1,894 |
| Ending Stocks | 154 | 190 | 198 | 207 | 216 | 226 | 235 | 243 | 252 | 261 | 265 | 269 |
| Domestic Use | 1,554 | 1,638 | 1,687 | 1,744 | 1,798 | 1,854 | 1,908 | 1,961 | 2,014 | 2,068 | 2,115 | 2,163 |
| Net Trade | -1,090 | -1,130 | -1,105 | -1,121 | -1,143 | -1,175 | -1,206 | -1,239 | -1,271 | -1,306 | -1,335 | -1,369 |

## Table 38 Sierra Leone Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 650 | 649 | 660 | 675 | 693 | 713 | 729 | 747 | 763 | 780 | 796 | 811 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.22 | 1.22 | 1.26 | 1.30 | 1.35 | 1.39 | 1.42 | 1.45 | 1.46 | 1.51 | 1.54 | 1.56 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 791 | 793 | 832 | 876 | 933 | 989 | 1,033 | 1,079 | 1,115 | 1,174 | 1,223 | 1,266 |
| Beginning Stocks | 0 | 0 | 19 | 20 | 21 | 21 | 22 | 23 | 24 | 24 | 25 | 26 |
| Domestic Supply | 791 | 793 | 851 | 896 | 954 | 1,010 | 1,055 | 1,102 | 1,139 | 1,199 | 1,248 | 1,292 |
| Consumption | 1,061 | 996 | 1,036 | 1,072 | 1,108 | 1,146 | 1,185 | 1,229 | 1,269 | 1,315 | 1,357 | 1,404 |
| Ending Stocks | 0 | 19 | 20 | 21 | 21 | 22 | 23 | 24 | 24 | 25 | 26 | 27 |
| Domestic Use | 1,061 | 1,016 | 1,056 | 1,092 | 1,130 | 1,168 | 1,208 | 1,252 | 1,293 | 1,340 | 1,383 | 1,431 |
| Net Trade | -270 | -222 | -205 | -196 | -176 | -158 | -153 | -151 | -154 | -141 | -135 | -139 |

## Table 39 Singapore Rice Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Thousand Metric Tons) | | | | | | | | | | | |
| Consumption | 300 | 304 | 308 | 312 | 317 | 319 | 322 | 325 | 327 | 329 | 331 | 332 |
| Ending Stocks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Domestic Use | 300 | 304 | 308 | 312 | 317 | 319 | 322 | 325 | 327 | 329 | 331 | 332 |
| Net Trade | -300 | -304 | -308 | -312 | -317 | -319 | -322 | -325 | -327 | -329 | -331 | -332 |

## Table 40 South Africa Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Thousand Metric Tons) | | | | | | | | | | | |
| Beginning Stocks | 16 | 21 | 32 | 34 | 36 | 40 | 44 | 49 | 53 | 58 | 60 | 62 |
| Domestic Supply | 16 | 21 | 32 | 34 | 36 | 40 | 44 | 49 | 53 | 58 | 60 | 62 |
| | | | | | | | | | | | | |
| Consumption | 905 | 958 | 968 | 982 | 1,000 | 1,020 | 1,044 | 1,066 | 1,089 | 1,102 | 1,111 | 1,123 |
| Ending Stocks | 21 | 32 | 34 | 36 | 40 | 44 | 49 | 53 | 58 | 60 | 62 | 65 |
| Domestic Use | 926 | 989 | 1,001 | 1,018 | 1,040 | 1,064 | 1,093 | 1,119 | 1,147 | 1,162 | 1,173 | 1,187 |
| Net Trade | -910 | -968 | -969 | -985 | -1,004 | -1,024 | -1,049 | -1,070 | -1,094 | -1,105 | -1,113 | -1,125 |

## Table 41 South Korea Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 833 | 828 | 816 | 806 | 791 | 789 | 783 | 779 | 780 | 777 | 774 | 771 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 5.08 | 5.10 | 5.14 | 5.16 | 5.17 | 5.18 | 5.20 | 5.21 | 5.22 | 5.24 | 5.25 | 5.27 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 4,230 | 4,222 | 4,193 | 4,154 | 4,090 | 4,088 | 4,068 | 4,057 | 4,073 | 4,070 | 4,067 | 4,062 |
| Beginning Stocks | 780 | 858 | 969 | 1,076 | 1,162 | 1,192 | 1,220 | 1,278 | 1,333 | 1,409 | 1,469 | 1,522 |
| Domestic Supply | 5,010 | 5,080 | 5,161 | 5,230 | 5,252 | 5,279 | 5,288 | 5,335 | 5,407 | 5,479 | 5,536 | 5,585 |
| Consumption | 4,460 | 4,520 | 4,494 | 4,477 | 4,469 | 4,468 | 4,419 | 4,410 | 4,406 | 4,419 | 4,422 | 4,421 |
| Ending Stocks | 858 | 969 | 1,076 | 1,162 | 1,192 | 1,220 | 1,278 | 1,333 | 1,409 | 1,469 | 1,522 | 1,572 |
| Domestic Use | 5,318 | 5,489 | 5,570 | 5,638 | 5,661 | 5,688 | 5,697 | 5,743 | 5,816 | 5,888 | 5,944 | 5,993 |
| Net Trade | -308 | -409 | -409 | -409 | -409 | -409 | -409 | -409 | -409 | -409 | -409 | -409 |

## Table 42 Taiwan Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 270 | 269 | 269 | 267 | 265 | 263 | 261 | 259 | 256 | 255 | 254 | 252 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 4.12 | 4.22 | 4.15 | 4.16 | 4.16 | 4.17 | 4.17 | 4.18 | 4.20 | 4.23 | 4.25 | 4.28 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,113 | 1,134 | 1,116 | 1,109 | 1,102 | 1,097 | 1,090 | 1,082 | 1,077 | 1,076 | 1,078 | 1,078 |
| Beginning Stocks | 363 | 301 | 258 | 233 | 212 | 200 | 198 | 197 | 194 | 192 | 192 | 200 |
| Domestic Supply | 1,476 | 1,435 | 1,374 | 1,342 | 1,314 | 1,297 | 1,288 | 1,279 | 1,271 | 1,268 | 1,271 | 1,278 |
| Consumption | 1,300 | 1,293 | 1,257 | 1,247 | 1,229 | 1,215 | 1,208 | 1,201 | 1,196 | 1,191 | 1,187 | 1,184 |
| Ending Stocks | 301 | 258 | 233 | 212 | 200 | 198 | 197 | 194 | 192 | 192 | 200 | 210 |
| Domestic Use | 1,601 | 1,551 | 1,490 | 1,458 | 1,430 | 1,413 | 1,404 | 1,395 | 1,387 | 1,384 | 1,387 | 1,394 |
| Net Trade | -125 | -116 | -116 | -116 | -116 | -116 | -116 | -116 | -116 | -116 | -116 | -116 |

## Table 43 Tanzania Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 900 | 950 | 994 | 1,032 | 1,069 | 1,100 | 1,129 | 1,154 | 1,176 | 1,196 | 1,213 | 1,229 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.47 | 1.46 | 1.50 | 1.53 | 1.55 | 1.58 | 1.61 | 1.64 | 1.66 | 1.69 | 1.72 | 1.75 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,327 | 1,386 | 1,491 | 1,577 | 1,662 | 1,742 | 1,817 | 1,889 | 1,958 | 2,024 | 2,087 | 2,148 |
| Beginning Stocks | 0 | 0 | 10 | 11 | 12 | 13 | 15 | 16 | 18 | 20 | 21 | 24 |
| Domestic Supply | 1,327 | 1,386 | 1,500 | 1,588 | 1,673 | 1,755 | 1,832 | 1,906 | 1,976 | 2,043 | 2,108 | 2,171 |
| Consumption | 1,497 | 1,554 | 1,616 | 1,659 | 1,726 | 1,802 | 1,888 | 1,963 | 2,064 | 2,152 | 2,266 | 2,351 |
| Ending Stocks | 0 | 10 | 11 | 12 | 13 | 15 | 16 | 18 | 20 | 21 | 24 | 25 |
| Domestic Use | 1,497 | 1,564 | 1,627 | 1,671 | 1,739 | 1,817 | 1,905 | 1,981 | 2,084 | 2,174 | 2,290 | 2,376 |
| Net Trade | -170 | -178 | -127 | -83 | -66 | -62 | -73 | -75 | -108 | -130 | -182 | -204 |

## Table 44 Thailand Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 10,920 | 10,900 | 10,869 | 10,861 | 10,803 | 10,801 | 10,803 | 10,811 | 10,813 | 10,822 | 10,830 | 10,847 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.87 | 1.89 | 1.91 | 1.93 | 1.95 | 1.97 | 1.99 | 2.01 | 2.03 | 2.06 | 2.08 | 2.10 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 20,460 | 20,570 | 20,713 | 20,928 | 21,049 | 21,276 | 21,515 | 21,760 | 22,001 | 22,254 | 22,495 | 22,768 |
| Beginning Stocks | 12,808 | 12,393 | 11,824 | 10,975 | 10,157 | 9,288 | 8,464 | 7,628 | 6,798 | 5,998 | 5,210 | 4,448 |
| Domestic Supply | 33,268 | 32,963 | 32,537 | 31,903 | 31,206 | 30,565 | 29,980 | 29,388 | 28,799 | 28,251 | 27,704 | 27,216 |
| Consumption | 10,875 | 10,931 | 10,869 | 10,833 | 10,822 | 10,736 | 10,702 | 10,669 | 10,629 | 10,597 | 10,512 | 10,478 |
| Ending Stocks | 12,393 | 11,824 | 10,975 | 10,157 | 9,288 | 8,464 | 7,628 | 6,798 | 5,998 | 5,210 | 4,448 | 3,608 |
| Domestic Use | 23,268 | 22,755 | 21,845 | 20,990 | 20,110 | 19,200 | 18,329 | 17,467 | 16,626 | 15,807 | 14,960 | 14,086 |
| Net Trade | 10,000 | 10,208 | 10,692 | 10,913 | 11,096 | 11,365 | 11,650 | 11,921 | 12,173 | 12,444 | 12,744 | 13,129 |

## Table 45 Turkey Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 98 | 96 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 5.10 | 5.03 | 5.10 | 5.19 | 5.25 | 5.31 | 5.37 | 5.43 | 5.48 | 5.54 | 5.60 | 5.66 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 500 | 482 | 499 | 516 | 527 | 536 | 546 | 556 | 568 | 579 | 591 | 603 |
| Beginning Stocks | 194 | 245 | 218 | 204 | 212 | 211 | 214 | 218 | 221 | 219 | 222 | 224 |
| Domestic Supply | 694 | 727 | 717 | 720 | 739 | 747 | 759 | 774 | 789 | 799 | 813 | 827 |
| Consumption | 770 | 784 | 780 | 804 | 816 | 833 | 853 | 872 | 884 | 902 | 920 | 934 |
| Ending Stocks | 245 | 218 | 204 | 212 | 211 | 214 | 218 | 221 | 219 | 222 | 224 | 222 |
| Domestic Use | 1,015 | 1,001 | 984 | 1,016 | 1,026 | 1,047 | 1,071 | 1,093 | 1,103 | 1,124 | 1,144 | 1,156 |
| Net Trade | -321 | -275 | -268 | -296 | -287 | -299 | -311 | -319 | -315 | -325 | -331 | -329 |

## Table 46 Uruguay Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 167 | 183 | 183 | 186 | 188 | 190 | 192 | 193 | 194 | 194 | 194 | 192 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 5.65 | 5.67 | 5.77 | 5.85 | 5.91 | 5.96 | 6.00 | 6.05 | 6.09 | 6.17 | 6.25 | 6.33 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 944 | 1,038 | 1,057 | 1,091 | 1,111 | 1,130 | 1,149 | 1,167 | 1,183 | 1,197 | 1,211 | 1,214 |
| Beginning Stocks | 21 | 20 | 34 | 34 | 36 | 38 | 40 | 42 | 44 | 47 | 49 | 52 |
| Domestic Supply | 965 | 1,058 | 1,091 | 1,125 | 1,147 | 1,168 | 1,189 | 1,209 | 1,227 | 1,244 | 1,260 | 1,265 |
| Consumption | 55 | 57 | 57 | 57 | 58 | 58 | 58 | 58 | 59 | 59 | 59 | 63 |
| Ending Stocks | 20 | 34 | 34 | 36 | 38 | 40 | 42 | 44 | 47 | 49 | 52 | 55 |
| Domestic Use | 75 | 91 | 91 | 94 | 96 | 98 | 100 | 103 | 105 | 108 | 111 | 118 |
| Net Trade | 890 | 967 | 1,000 | 1,032 | 1,051 | 1,071 | 1,089 | 1,106 | 1,122 | 1,136 | 1,150 | 1,147 |

## Table 47 Vietnam Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 7,788 | 7,772 | 7,818 | 7,833 | 7,848 | 7,854 | 7,861 | 7,866 | 7,868 | 7,871 | 7,873 | 7,875 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.62 | 3.63 | 3.64 | 3.66 | 3.68 | 3.70 | 3.73 | 3.76 | 3.77 | 3.79 | 3.81 | 3.82 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 28,161 | 28,228 | 28,432 | 28,638 | 28,871 | 29,091 | 29,314 | 29,570 | 29,649 | 29,827 | 29,990 | 30,117 |
| Beginning Stocks | 863 | 824 | 913 | 776 | 887 | 934 | 1,173 | 1,435 | 1,483 | 1,514 | 1,561 | 1,600 |
| Domestic Supply | 29,024 | 29,052 | 29,344 | 29,414 | 29,758 | 30,025 | 30,486 | 31,006 | 31,132 | 31,341 | 31,550 | 31,717 |
| Consumption | 22,000 | 21,862 | 21,787 | 21,855 | 22,089 | 22,058 | 22,097 | 22,561 | 22,534 | 22,494 | 22,556 | 22,609 |
| Ending Stocks | 824 | 913 | 776 | 887 | 934 | 1,173 | 1,435 | 1,483 | 1,514 | 1,561 | 1,600 | 1,632 |
| Domestic Use | 22,824 | 22,774 | 22,563 | 22,743 | 23,023 | 23,230 | 23,532 | 24,044 | 24,047 | 24,055 | 24,156 | 24,241 |
| Net Trade | 6,200 | 6,278 | 6,782 | 6,671 | 6,735 | 6,795 | 6,954 | 6,961 | 7,085 | 7,287 | 7,394 | 7,476 |

## Table 48 Africa Total Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 10,604 | 10,554 | 10,935 | 11,267 | 11,551 | 11,781 | 11,966 | 12,157 | 12,351 | 12,546 | 12,708 | 12,855 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.69 | 1.70 | 1.71 | 1.74 | 1.78 | 1.81 | 1.84 | 1.86 | 1.88 | 1.90 | 1.93 | 1.96 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 17,947 | 17,945 | 18,673 | 19,617 | 20,520 | 21,340 | 21,978 | 22,593 | 23,205 | 23,855 | 24,485 | 25,169 |
| Beginning Stocks | 2,406 | 2,475 | 2,600 | 2,630 | 2,599 | 2,696 | 2,792 | 2,884 | 2,970 | 3,030 | 3,081 | 3,104 |
| Domestic Supply | 20,353 | 20,420 | 21,273 | 22,247 | 23,119 | 24,036 | 24,770 | 25,477 | 26,174 | 26,885 | 27,566 | 28,273 |
| Consumption | 30,943 | 31,907 | 32,764 | 33,807 | 34,938 | 36,103 | 37,315 | 38,543 | 39,771 | 41,025 | 42,280 | 43,510 |
| Ending Stocks | 2,475 | 2,600 | 2,630 | 2,599 | 2,696 | 2,792 | 2,884 | 2,970 | 3,030 | 3,081 | 3,104 | 3,126 |
| Domestic Use | 33,418 | 34,507 | 35,394 | 36,406 | 37,635 | 38,894 | 40,199 | 41,513 | 42,801 | 44,106 | 45,384 | 46,637 |
| Net Trade | -13,065 | -14,087 | -14,121 | -14,159 | -14,515 | -14,858 | -15,429 | -16,036 | -16,627 | -17,221 | -17,817 | -18,364 |

**Table 49 African Aggregate of Countries with Individual AGRM Models – Rice Supply, Utilization, and Net Trade, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 8,431 | 8,383 | 8,747 | 9,052 | 9,311 | 9,522 | 9,688 | 9,862 | 10,037 | 10,214 | 10,357 | 10,485 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.76 | 1.76 | 1.76 | 1.79 | 1.83 | 1.86 | 1.89 | 1.91 | 1.93 | 1.96 | 1.98 | 2.01 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 14,817 | 14,759 | 15,381 | 16,239 | 17,025 | 17,744 | 18,315 | 18,846 | 19,390 | 19,971 | 20,510 | 21,102 |
| Beginning Stocks | 2,314 | 2,369 | 2,507 | 2,534 | 2,501 | 2,595 | 2,687 | 2,776 | 2,858 | 2,915 | 2,963 | 2,983 |
| Domestic Supply | 17,131 | 17,128 | 17,889 | 18,773 | 19,525 | 20,338 | 21,003 | 21,623 | 22,249 | 22,887 | 23,474 | 24,084 |
| Consumption | 24,622 | 25,024 | 25,723 | 26,607 | 27,568 | 28,580 | 29,620 | 30,673 | 31,730 | 32,816 | 33,884 | 34,924 |
| Ending Stocks | 2,369 | 2,507 | 2,534 | 2,501 | 2,595 | 2,687 | 2,776 | 2,858 | 2,915 | 2,963 | 2,983 | 3,001 |
| Domestic Use | 26,991 | 27,531 | 28,258 | 29,107 | 30,162 | 31,267 | 32,397 | 33,532 | 34,646 | 35,779 | 36,867 | 37,925 |
| Net Trade | -9,860 | -10,404 | -10,369 | -10,334 | -10,637 | -10,929 | -11,394 | -11,909 | -12,397 | -12,892 | -13,393 | -13,841 |

**Table 50 African Aggregate of Other Countries Modeled as a Group in AGRM – Rice Supply, Utilization and Net Trade, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 2,173 | 2,170 | 2,188 | 2,215 | 2,240 | 2,259 | 2,278 | 2,295 | 2,313 | 2,332 | 2,351 | 2,370 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.44 | 1.47 | 1.50 | 1.53 | 1.56 | 1.59 | 1.61 | 1.63 | 1.65 | 1.67 | 1.69 | 1.72 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 3,130 | 3,187 | 3,292 | 3,378 | 3,496 | 3,596 | 3,663 | 3,746 | 3,814 | 3,884 | 3,975 | 4,067 |
| Beginning Stocks | 92 | 106 | 92 | 95 | 98 | 102 | 105 | 108 | 111 | 115 | 118 | 121 |
| Domestic Supply | 3,222 | 3,293 | 3,384 | 3,474 | 3,594 | 3,698 | 3,767 | 3,854 | 3,926 | 3,998 | 4,092 | 4,189 |
| Consumption | 6,321 | 6,883 | 7,041 | 7,200 | 7,371 | 7,523 | 7,694 | 7,870 | 8,041 | 8,209 | 8,395 | 8,586 |
| Ending Stocks | 106 | 92 | 95 | 98 | 102 | 105 | 108 | 111 | 115 | 118 | 121 | 125 |
| Domestic Use | 6,427 | 6,976 | 7,136 | 7,299 | 7,472 | 7,628 | 7,802 | 7,982 | 8,156 | 8,327 | 8,517 | 8,711 |
| Net Trade | -3,205 | -3,683 | -3,752 | -3,825 | -3,878 | -3,929 | -4,035 | -4,128 | -4,230 | -4,328 | -4,424 | -4,523 |

## Table 51 Western Hemisphere Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 6,434 | 6,571 | 6,543 | 6,531 | 6,539 | 6,539 | 6,537 | 6,538 | 6,541 | 6,545 | 6,545 | 6,548 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.78 | 3.86 | 3.90 | 3.94 | 3.97 | 4.01 | 4.06 | 4.10 | 4.15 | 4.20 | 4.24 | 4.29 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 24,350 | 25,377 | 25,489 | 25,740 | 25,976 | 26,234 | 26,536 | 26,833 | 27,122 | 27,474 | 27,766 | 28,071 |
| Beginning Stocks | 3,202 | 3,436 | 4,140 | 4,481 | 4,544 | 4,562 | 4,576 | 4,683 | 4,796 | 4,909 | 4,993 | 5,081 |
| Domestic Supply | 27,552 | 28,813 | 29,629 | 30,221 | 30,520 | 30,796 | 31,113 | 31,516 | 31,918 | 32,382 | 32,758 | 33,152 |
| Consumption | 23,065 | 23,709 | 23,607 | 23,918 | 24,211 | 24,484 | 24,888 | 25,302 | 25,688 | 25,942 | 26,215 | 26,433 |
| Ending Stocks | 3,436 | 4,140 | 4,481 | 4,544 | 4,562 | 4,576 | 4,683 | 4,796 | 4,909 | 4,993 | 5,081 | 5,224 |
| Domestic Use | 26,501 | 27,850 | 28,088 | 28,462 | 28,773 | 29,060 | 29,571 | 30,099 | 30,596 | 30,935 | 31,296 | 31,656 |
| Net Trade | 1,051 | 964 | 1,541 | 1,759 | 1,747 | 1,736 | 1,542 | 1,417 | 1,322 | 1,447 | 1,462 | 1,496 |

## Table 52 Western Hemisphere Aggregate of Countries with Individual AGRM Models – Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 4,292 | 4,447 | 4,420 | 4,418 | 4,428 | 4,424 | 4,415 | 4,409 | 4,405 | 4,401 | 4,393 | 4,388 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 4.15 | 4.25 | 4.29 | 4.35 | 4.38 | 4.44 | 4.50 | 4.54 | 4.58 | 4.63 | 4.67 | 4.72 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 17,829 | 18,905 | 18,977 | 19,208 | 19,413 | 19,622 | 19,846 | 20,023 | 20,189 | 20,366 | 20,532 | 20,712 |
| Beginning Stocks | 2,206 | 2,268 | 2,857 | 3,212 | 3,251 | 3,252 | 3,252 | 3,302 | 3,353 | 3,414 | 3,468 | 3,530 |
| Domestic Supply | 20,035 | 21,173 | 21,834 | 22,420 | 22,665 | 22,874 | 23,099 | 23,325 | 23,542 | 23,780 | 24,000 | 24,241 |
| Consumption | 15,223 | 15,542 | 15,512 | 15,707 | 15,906 | 16,113 | 16,236 | 16,337 | 16,464 | 16,568 | 16,708 | 16,815 |
| Ending Stocks | 2,268 | 2,857 | 3,212 | 3,251 | 3,252 | 3,252 | 3,302 | 3,353 | 3,414 | 3,468 | 3,530 | 3,650 |
| Domestic Use | 17,491 | 18,399 | 18,724 | 18,959 | 19,158 | 19,365 | 19,539 | 19,690 | 19,878 | 20,036 | 20,238 | 20,465 |
| Net Trade | 2,544 | 2,774 | 3,110 | 3,461 | 3,507 | 3,508 | 3,560 | 3,635 | 3,664 | 3,744 | 3,762 | 3,777 |

**Table 53 Western Hemisphere Aggregate of Other Countries Modeled as a Group in AGRM – Rice Supply, Utilization and Net Trade, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 2,142 | 2,124 | 2,122 | 2,113 | 2,111 | 2,115 | 2,123 | 2,129 | 2,136 | 2,144 | 2,152 | 2,160 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.04 | 3.05 | 3.07 | 3.09 | 3.11 | 3.13 | 3.15 | 3.20 | 3.25 | 3.32 | 3.36 | 3.41 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 6,521 | 6,472 | 6,512 | 6,532 | 6,563 | 6,611 | 6,690 | 6,810 | 6,933 | 7,108 | 7,234 | 7,360 |
| Beginning Stocks | 996 | 1,168 | 1,283 | 1,269 | 1,292 | 1,311 | 1,324 | 1,380 | 1,443 | 1,495 | 1,525 | 1,551 |
| Domestic Supply | 7,517 | 7,640 | 7,795 | 7,801 | 7,855 | 7,922 | 8,014 | 8,191 | 8,376 | 8,602 | 8,758 | 8,911 |
| Consumption | 7,842 | 8,167 | 8,095 | 8,211 | 8,304 | 8,370 | 8,652 | 8,965 | 9,223 | 9,374 | 9,507 | 9,618 |
| Ending Stocks | 1,168 | 1,283 | 1,269 | 1,292 | 1,311 | 1,324 | 1,380 | 1,443 | 1,495 | 1,525 | 1,551 | 1,574 |
| Domestic Use | 9,010 | 9,450 | 9,364 | 9,503 | 9,615 | 9,695 | 10,032 | 10,408 | 10,718 | 10,899 | 11,059 | 11,192 |
| Net Trade | -1,493 | -1,810 | -1,569 | -1,702 | -1,760 | -1,772 | -2,018 | -2,218 | -2,342 | -2,296 | -2,300 | -2,281 |

**Table 54 Asian Rice Supply, Utilization and Net Trade, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 143,310 | 143,283 | 143,309 | 143,575 | 143,637 | 143,532 | 143,477 | 143,451 | 143,352 | 143,175 | 143,286 | 143,170 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.02 | 3.04 | 3.06 | 3.10 | 3.13 | 3.15 | 3.17 | 3.20 | 3.23 | 3.26 | 3.28 | 3.30 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 432,088 | 435,226 | 438,650 | 444,708 | 449,050 | 451,891 | 455,446 | 459,364 | 463,307 | 466,749 | 470,096 | 471,877 |
| Beginning Stocks | 103,003 | 99,744 | 97,202 | 97,304 | 99,799 | 102,669 | 105,125 | 107,107 | 109,271 | 112,040 | 115,034 | 118,509 |
| Domestic Supply | 535,091 | 534,970 | 535,852 | 542,012 | 548,848 | 554,561 | 560,570 | 566,470 | 572,578 | 578,789 | 585,130 | 590,386 |
| Consumption | 420,225 | 423,412 | 424,786 | 428,655 | 432,233 | 435,138 | 438,424 | 441,471 | 444,129 | 446,864 | 449,118 | 451,850 |
| Ending Stocks | 99,744 | 97,202 | 97,304 | 99,799 | 102,669 | 105,125 | 107,107 | 109,271 | 112,040 | 115,034 | 118,509 | 120,558 |
| Domestic Use | 519,969 | 520,614 | 522,090 | 528,454 | 534,903 | 540,263 | 545,531 | 550,742 | 556,169 | 561,898 | 567,627 | 572,408 |
| Net Trade | 15,122 | 14,356 | 13,762 | 13,559 | 13,946 | 14,298 | 15,040 | 15,729 | 16,409 | 16,891 | 17,503 | 17,978 |

## Table 55 Asian Aggregate of Countries with Individual Models in AGRM – Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 139,446 | 139,305 | 139,280 | 139,521 | 139,569 | 139,454 | 139,391 | 139,357 | 139,252 | 139,068 | 139,171 | 139,048 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.03 | 3.05 | 3.08 | 3.11 | 3.14 | 3.17 | 3.19 | 3.22 | 3.25 | 3.28 | 3.30 | 3.31 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 422,347 | 425,328 | 428,595 | 434,543 | 438,709 | 441,384 | 444,881 | 448,637 | 452,527 | 455,916 | 459,209 | 460,718 |
| Beginning Stocks | 102,147 | 98,795 | 96,455 | 96,555 | 99,045 | 101,910 | 104,358 | 106,332 | 108,490 | 111,253 | 114,241 | 117,711 |
| Domestic Supply | 524,494 | 524,123 | 525,050 | 531,098 | 537,754 | 543,293 | 549,238 | 554,970 | 561,017 | 567,168 | 573,451 | 578,429 |
| Consumption | 407,521 | 410,541 | 411,813 | 415,458 | 418,723 | 421,260 | 424,164 | 426,885 | 429,218 | 431,632 | 433,581 | 436,025 |
| Ending Stocks | 98,795 | 96,455 | 96,555 | 99,045 | 101,910 | 104,358 | 106,332 | 108,490 | 111,253 | 114,241 | 117,711 | 119,754 |
| Domestic Use | 506,316 | 506,995 | 508,367 | 514,503 | 520,633 | 525,618 | 530,496 | 535,376 | 540,470 | 545,873 | 551,292 | 555,779 |
| Net Trade | 18,178 | 17,127 | 16,683 | 16,595 | 17,121 | 17,675 | 18,742 | 19,594 | 20,546 | 21,295 | 22,159 | 22,650 |

## Table 56 Asian Aggregate of Other Countries Modeled as a Group in AGRM – Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 3,864 | 3,978 | 4,029 | 4,054 | 4,068 | 4,078 | 4,086 | 4,093 | 4,100 | 4,107 | 4,114 | 4,121 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.52 | 2.49 | 2.50 | 2.51 | 2.54 | 2.58 | 2.59 | 2.62 | 2.63 | 2.64 | 2.65 | 2.71 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 9,741 | 9,898 | 10,054 | 10,165 | 10,341 | 10,508 | 10,565 | 10,727 | 10,781 | 10,834 | 10,886 | 11,159 |
| Beginning Stocks | 856 | 949 | 748 | 749 | 754 | 760 | 767 | 774 | 780 | 787 | 793 | 799 |
| Domestic Supply | 10,597 | 10,847 | 10,802 | 10,914 | 11,095 | 11,267 | 11,332 | 11,501 | 11,561 | 11,621 | 11,679 | 11,958 |
| Consumption | 12,704 | 12,871 | 12,973 | 13,197 | 13,510 | 13,878 | 14,260 | 14,586 | 14,912 | 15,232 | 15,537 | 15,825 |
| Ending Stocks | 949 | 748 | 749 | 754 | 760 | 767 | 774 | 780 | 787 | 793 | 799 | 804 |
| Domestic Use | 13,653 | 13,618 | 13,723 | 13,950 | 14,270 | 14,645 | 15,035 | 15,366 | 15,699 | 16,025 | 16,335 | 16,629 |
| Net Trade | -3,056 | -2,772 | -2,921 | -3,036 | -3,175 | -3,378 | -3,703 | -3,865 | -4,137 | -4,404 | -4,656 | -4,672 |

## Table 57 European Total Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 441 | 442 | 443 | 442 | 442 | 442 | 441 | 441 | 441 | 441 | 441 | 441 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 4.48 | 4.48 | 4.53 | 4.57 | 4.61 | 4.65 | 4.70 | 4.74 | 4.78 | 4.82 | 4.86 | 4.90 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,975 | 1,978 | 2,006 | 2,024 | 2,040 | 2,057 | 2,072 | 2,088 | 2,107 | 2,125 | 2,143 | 2,161 |
| Beginning Stocks | 1,246 | 1,241 | 1,152 | 1,068 | 993 | 923 | 862 | 806 | 747 | 695 | 677 | 690 |
| Domestic Supply | 3,221 | 3,219 | 3,159 | 3,092 | 3,034 | 2,980 | 2,933 | 2,895 | 2,854 | 2,820 | 2,820 | 2,851 |
| Consumption | 3,395 | 3,413 | 3,398 | 3,401 | 3,438 | 3,462 | 3,490 | 3,515 | 3,541 | 3,565 | 3,589 | 3,609 |
| Ending Stocks | 1,241 | 1,152 | 1,068 | 993 | 923 | 862 | 806 | 747 | 695 | 677 | 690 | 670 |
| Domestic Use | 4,636 | 4,566 | 4,467 | 4,395 | 4,361 | 4,323 | 4,297 | 4,262 | 4,237 | 4,242 | 4,279 | 4,279 |
| Net Trade | -1,415 | -1,347 | -1,308 | -1,302 | -1,327 | -1,343 | -1,363 | -1,367 | -1,383 | -1,421 | -1,459 | -1,428 |

## Table 58 European Aggregate of Countries Modeled Individually in AGRM – Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 438 | 438 | 439 | 439 | 439 | 439 | 438 | 438 | 438 | 438 | 438 | 438 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 4.49 | 4.48 | 4.54 | 4.58 | 4.62 | 4.66 | 4.70 | 4.74 | 4.78 | 4.82 | 4.86 | 4.90 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 1,965 | 1,966 | 1,994 | 2,011 | 2,027 | 2,044 | 2,058 | 2,075 | 2,093 | 2,111 | 2,129 | 2,147 |
| Beginning Stocks | 1,188 | 1,188 | 1,077 | 993 | 919 | 848 | 786 | 730 | 671 | 619 | 599 | 612 |
| Domestic Supply | 3,153 | 3,154 | 3,071 | 3,003 | 2,946 | 2,892 | 2,845 | 2,805 | 2,764 | 2,730 | 2,729 | 2,759 |
| Consumption | 3,250 | 3,259 | 3,243 | 3,255 | 3,288 | 3,309 | 3,334 | 3,356 | 3,380 | 3,400 | 3,421 | 3,439 |
| Ending Stocks | 1,188 | 1,077 | 993 | 919 | 848 | 786 | 730 | 671 | 619 | 599 | 612 | 592 |
| Domestic Use | 4,438 | 4,336 | 4,236 | 4,174 | 4,136 | 4,096 | 4,065 | 4,027 | 3,998 | 3,999 | 4,033 | 4,030 |
| Net Trade | -1,285 | -1,182 | -1,165 | -1,171 | -1,190 | -1,204 | -1,220 | -1,222 | -1,234 | -1,270 | -1,304 | -1,271 |

## Table 59 European Aggregate of Other Countries Modeled as a Group in AGRM - Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.33 | 3.61 | 3.87 | 4.06 | 4.12 | 4.09 | 4.16 | 4.19 | 4.21 | 4.25 | 4.28 | 4.31 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 10 | 11 | 12 | 13 | 13 | 13 | 14 | 14 | 14 | 14 | 14 | 14 |
| Beginning Stocks | 58 | 53 | 76 | 76 | 74 | 75 | 75 | 76 | 76 | 77 | 77 | 78 |
| Domestic Supply | 68 | 64 | 88 | 89 | 88 | 88 | 89 | 90 | 90 | 91 | 91 | 92 |
| Consumption | 145 | 154 | 155 | 146 | 150 | 152 | 156 | 159 | 162 | 165 | 168 | 170 |
| Ending Stocks | 53 | 76 | 76 | 74 | 75 | 75 | 76 | 76 | 77 | 77 | 78 | 78 |
| Domestic Use | 198 | 229 | 231 | 220 | 225 | 228 | 232 | 235 | 239 | 242 | 246 | 249 |
| Net Trade | -130 | -165 | -143 | -131 | -137 | -139 | -143 | -146 | -149 | -151 | -154 | -157 |

## Table 60 Oceania Total Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 76 | 71 | 87 | 95 | 99 | 101 | 100 | 99 | 99 | 98 | 97 | 96 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 7.89 | 7.11 | 7.42 | 7.49 | 7.57 | 7.66 | 7.77 | 7.87 | 7.98 | 8.08 | 8.19 | 8.30 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 600 | 505 | 642 | 709 | 748 | 771 | 778 | 782 | 787 | 791 | 792 | 794 |
| Beginning Stocks | 238 | 171 | 64 | 69 | 121 | 199 | 279 | 333 | 362 | 377 | 375 | 363 |
| Domestic Supply | 838 | 676 | 706 | 778 | 870 | 970 | 1,056 | 1,115 | 1,149 | 1,168 | 1,166 | 1,157 |
| Consumption | 572 | 592 | 606 | 615 | 624 | 635 | 646 | 654 | 664 | 676 | 684 | 692 |
| Ending Stocks | 171 | 64 | 69 | 121 | 199 | 279 | 333 | 362 | 377 | 375 | 363 | 347 |
| Domestic Use | 743 | 656 | 675 | 737 | 823 | 914 | 979 | 1,016 | 1,042 | 1,051 | 1,047 | 1,039 |
| Net Trade | 95 | 20 | 32 | 41 | 46 | 56 | 78 | 99 | 107 | 117 | 119 | 118 |

**Table 61 Oceania Aggregate of Countries Modeled individually in AGRM – Rice Supply, Utilization and Net Trade, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 76 | 71 | 87 | 95 | 99 | 101 | 100 | 99 | 99 | 98 | 97 | 96 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 7.89 | 7.11 | 7.42 | 7.49 | 7.57 | 7.66 | 7.77 | 7.87 | 7.98 | 8.08 | 8.19 | 8.30 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 600 | 505 | 642 | 709 | 748 | 771 | 778 | 782 | 787 | 791 | 792 | 794 |
| Beginning Stocks | 238 | 171 | 60 | 64 | 117 | 195 | 274 | 328 | 357 | 372 | 370 | 358 |
| Domestic Supply | 838 | 676 | 702 | 773 | 865 | 965 | 1,052 | 1,110 | 1,144 | 1,163 | 1,161 | 1,152 |
| Consumption | 357 | 366 | 372 | 376 | 381 | 387 | 394 | 398 | 404 | 412 | 416 | 419 |
| Ending Stocks | 171 | 60 | 64 | 117 | 195 | 274 | 328 | 357 | 372 | 370 | 358 | 342 |
| Domestic Use | 528 | 426 | 436 | 493 | 575 | 661 | 722 | 755 | 776 | 781 | 773 | 761 |
| Net Trade | 310 | 250 | 266 | 280 | 290 | 304 | 330 | 355 | 368 | 382 | 388 | 391 |

**Table 62 Oceania Aggregate of Other Countries Modeled as a Group in AGRM – Rice Supply, Utilization, and Net Trade, 2013-2024**

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Beginning Stocks | 0 | 0 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Domestic Supply | 0 | 0 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Consumption | 215 | 225 | 234 | 239 | 243 | 248 | 252 | 256 | 260 | 265 | 269 | 273 |
| Ending Stocks | 0 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Domestic Use | 215 | 230 | 239 | 244 | 248 | 253 | 257 | 261 | 265 | 270 | 274 | 278 |
| Net Trade | -215 | -230 | -235 | -239 | -244 | -248 | -252 | -256 | -261 | -265 | -269 | -273 |

## Table 63 World Total Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 160,865 | 160,920 | 161,316 | 161,910 | 162,268 | 162,395 | 162,521 | 162,686 | 162,783 | 162,804 | 163,076 | 163,110 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.96 | 2.99 | 3.01 | 3.04 | 3.07 | 3.09 | 3.12 | 3.15 | 3.17 | 3.20 | 3.22 | 3.24 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 476,960 | 481,031 | 485,460 | 492,798 | 498,335 | 502,293 | 506,810 | 511,660 | 516,527 | 520,994 | 525,281 | 528,072 |
| Beginning Stocks | 110,095 | 107,067 | 105,159 | 105,552 | 108,056 | 111,050 | 113,633 | 115,813 | 118,146 | 121,051 | 124,159 | 127,747 |
| Domestic Supply | 587,055 | 588,098 | 590,619 | 598,350 | 606,391 | 613,343 | 620,443 | 627,473 | 634,674 | 642,045 | 649,441 | 655,820 |
| Consumption | 478,200 | 483,033 | 485,162 | 490,396 | 495,444 | 499,821 | 504,763 | 509,486 | 513,794 | 518,072 | 521,885 | 526,094 |
| Ending Stocks | 107,067 | 105,159 | 105,552 | 108,056 | 111,050 | 113,633 | 115,813 | 118,146 | 121,051 | 124,159 | 127,747 | 129,925 |
| Domestic Use | 585,267 | 588,193 | 590,714 | 598,453 | 606,495 | 613,454 | 620,576 | 627,632 | 634,845 | 642,232 | 649,633 | 656,019 |
| Residual | 1,788 | -95 | -95 | -102 | -103 | -111 | -133 | -159 | -172 | -187 | -192 | -199 |

## Table 64 World Aggregate of Countries Modeled individually in AGRM – Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 152,683 | 152,644 | 152,973 | 153,525 | 153,846 | 153,940 | 154,032 | 154,165 | 154,230 | 154,218 | 154,455 | 154,455 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 3.00 | 3.02 | 3.04 | 3.08 | 3.11 | 3.13 | 3.15 | 3.18 | 3.21 | 3.24 | 3.26 | 3.27 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 457,558 | 461,463 | 465,590 | 472,710 | 477,922 | 481,564 | 485,878 | 490,363 | 494,986 | 499,155 | 503,173 | 505,473 |
| Beginning Stocks | 108,093 | 104,791 | 102,956 | 103,358 | 105,833 | 108,798 | 111,357 | 113,470 | 115,730 | 118,573 | 121,641 | 125,193 |
| Domestic Supply | 565,651 | 566,254 | 568,546 | 576,068 | 583,755 | 590,363 | 597,236 | 603,833 | 610,716 | 617,728 | 624,815 | 630,665 |
| Consumption | 450,973 | 454,733 | 456,663 | 461,404 | 465,866 | 469,650 | 473,748 | 477,649 | 481,196 | 484,828 | 488,010 | 491,622 |
| Ending Stocks | 104,791 | 102,956 | 103,358 | 105,833 | 108,798 | 111,357 | 113,470 | 115,730 | 118,573 | 121,641 | 125,193 | 127,338 |
| Domestic Use | 555,764 | 557,689 | 560,021 | 567,237 | 574,665 | 581,007 | 587,218 | 593,379 | 599,769 | 606,470 | 613,202 | 618,960 |
| Net Trade | 9,887 | 8,565 | 8,525 | 8,831 | 9,090 | 9,356 | 10,018 | 10,453 | 10,947 | 11,259 | 11,612 | 11,705 |

## Table 65 World Aggregate of Other Countries Modeled as a Group in AGRM – Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 8,182 | 8,276 | 8,343 | 8,385 | 8,422 | 8,456 | 8,490 | 8,520 | 8,553 | 8,587 | 8,621 | 8,655 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 2.37 | 2.36 | 2.38 | 2.40 | 2.42 | 2.45 | 2.47 | 2.50 | 2.52 | 2.54 | 2.56 | 2.61 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 19,402 | 19,568 | 19,870 | 20,088 | 20,413 | 20,729 | 20,931 | 21,297 | 21,541 | 21,839 | 22,108 | 22,600 |
| Beginning Stocks | 2,002 | 2,276 | 2,203 | 2,194 | 2,223 | 2,252 | 2,276 | 2,343 | 2,416 | 2,478 | 2,518 | 2,555 |
| Domestic Supply | 21,404 | 21,844 | 22,073 | 22,283 | 22,636 | 22,981 | 23,207 | 23,640 | 23,958 | 24,317 | 24,626 | 25,154 |
| Consumption | 27,227 | 28,301 | 28,498 | 28,993 | 29,578 | 30,172 | 31,014 | 31,837 | 32,599 | 33,244 | 33,875 | 34,472 |
| Ending Stocks | 2,276 | 2,203 | 2,194 | 2,223 | 2,252 | 2,276 | 2,343 | 2,416 | 2,478 | 2,518 | 2,555 | 2,587 |
| Domestic Use | 29,503 | 30,504 | 30,692 | 31,216 | 31,830 | 32,447 | 33,358 | 34,253 | 35,077 | 35,762 | 36,430 | 37,059 |
| Net Trade | -8,099 | -8,659 | -8,619 | -8,933 | -9,194 | -9,467 | -10,151 | -10,613 | -11,119 | -11,445 | -11,804 | -11,904 |

## Table 66 ECOWAS Total Rice Supply, Utilization and Net Trade, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Thousand Hectares) | | | | | | |
| Area Harvested | 6,326 | 6,351 | 6,619 | 6,864 | 7,066 | 7,230 | 7,350 | 7,482 | 7,621 | 7,763 | 7,873 | 7,969 |
| | | | | | | (Metric Tons per Hectare) | | | | | | |
| Yield | 1.31 | 1.33 | 1.36 | 1.40 | 1.44 | 1.47 | 1.50 | 1.52 | 1.55 | 1.58 | 1.61 | 1.64 |
| | | | | | | (Thousand Metric Tons) | | | | | | |
| Production | 8,293 | 8,418 | 8,995 | 9,598 | 10,149 | 10,656 | 11,044 | 11,405 | 11,801 | 12,240 | 12,637 | 13,085 |
| Beginning Stocks | 1,771 | 1,604 | 1,687 | 1,735 | 1,774 | 1,813 | 1,849 | 1,877 | 1,903 | 1,928 | 1,959 | 1,975 |
| Domestic Supply | 10,064 | 10,022 | 10,682 | 11,333 | 11,923 | 12,469 | 12,893 | 13,282 | 13,704 | 14,168 | 14,596 | 15,060 |
| Consumption | 16,370 | 16,641 | 17,230 | 17,959 | 18,753 | 19,526 | 20,301 | 21,095 | 21,888 | 22,720 | 23,524 | 24,342 |
| Ending Stocks | 1,604 | 1,687 | 1,735 | 1,774 | 1,813 | 1,849 | 1,877 | 1,903 | 1,928 | 1,959 | 1,975 | 1,999 |
| Domestic Use | 17,974 | 18,329 | 18,965 | 19,733 | 20,565 | 21,375 | 22,178 | 22,998 | 23,816 | 24,679 | 25,499 | 26,341 |
| Net Trade | -7,910 | -8,307 | -8,283 | -8,400 | -8,643 | -8,906 | -9,285 | -9,716 | -10,111 | -10,512 | -10,903 | -11,281 |

## Table 67 Projected Rice Milled Yields Per Hectare for the World and Selected Countries, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (Metric Tons per Hectare) | | | | | | | | | | | |
| Argentina | 4.3 | 4.2 | 4.3 | 4.4 | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.7 | 4.8 | 4.8 |
| Australia | 7.9 | 7.1 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8.0 | 8.1 | 8.2 | 8.3 |
| Bangladesh | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.2 | 3.2 | 3.3 | 3.3 | 3.3 |
| Brazil | 3.5 | 3.5 | 3.5 | 3.5 | 3.6 | 3.6 | 3.7 | 3.7 | 3.7 | 3.8 | 3.8 | 3.9 |
| Brunei Darussalam | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Cambodia | 1.6 | 1.6 | 1.7 | 1.7 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 2.0 | 2.0 | 2.1 |
| Cameroon | 0.7 | 0.9 | 0.9 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.2 |
| Canada | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| People's Republic of China | 4.7 | 4.7 | 4.8 | 4.8 | 4.8 | 4.9 | 4.9 | 4.9 | 4.9 | 5.0 | 5.0 | 5.0 |
| Colombia | 2.9 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | 3.5 | 3.5 | 3.5 | 3.6 | 3.6 | 3.7 |
| Egypt | 6.2 | 6.8 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.7 | 6.8 | 6.9 | 6.9 |
| European Union-28 | 4.5 | 4.5 | 4.5 | 4.6 | 4.6 | 4.7 | 4.7 | 4.7 | 4.8 | 4.8 | 4.9 | 4.9 |
| Ghana | 1.6 | 1.6 | 1.7 | 1.7 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 |
| Guinea | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.5 | 1.5 | 1.5 | 1.5 |
| China - Hong Kong | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| India | 2.4 | 2.4 | 2.5 | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.8 |
| Indonesia | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 |
| Iran | 2.8 | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 3.0 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 |
| Iraq | 2.2 | 2.2 | 2.2 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| Cote d'Ivoire | 1.2 | 1.2 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.5 |
| Japan | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 | 4.9 |
| Kenya | 3.5 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.7 | 3.8 | 3.8 | 3.9 | 3.9 | 4.0 |
| Lao PDR | 1.7 | 1.7 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 |
| Liberia | 0.7 | 0.8 | 0.8 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| Malaysia | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 | 2.8 | 2.8 | 2.8 | 2.9 |
| Mali | 2.4 | 2.1 | 2.2 | 2.3 | 2.3 | 2.4 | 2.5 | 2.5 | 2.6 | 2.7 | 2.7 | 2.8 |
| Mexico | 3.7 | 3.8 | 3.8 | 3.8 | 3.9 | 3.9 | 3.9 | 3.9 | 4.0 | 4.0 | 4.0 | 4.0 |
| Mozambique | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| Myanmar (Burma) | 1.7 | 1.7 | 1.7 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 2.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nigeria | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 |
| Pakistan | 2.4 | 2.4 | 2.4 | 2.5 | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 |
| Philippines | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.6 | 2.6 | 2.6 | 2.6 | 2.7 | 2.7 | 2.7 |
| Saudi Arabia | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Senegal | 2.7 | 2.7 | 2.8 | 2.8 | 2.9 | 3.0 | 3.0 | 3.1 | 3.2 | 3.2 | 3.3 | 3.4 |
| Sierra Leone | 1.2 | 1.2 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 | 1.4 | 1.5 | 1.5 | 1.5 | 1.6 |
| Singapore | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| South Africa | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| South Korea | 5.1 | 5.1 | 5.1 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.3 | 5.3 |
| Taiwan | 4.1 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.3 | 4.3 |
| Tanzania | 1.5 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 1.7 |
| Thailand | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 2.0 | 2.0 | 2.1 | 2.1 | 2.1 |
| Turkey | 5.1 | 5.0 | 5.1 | 5.2 | 5.2 | 5.3 | 5.4 | 5.4 | 5.5 | 5.5 | 5.6 | 5.7 |
| United States | 6.1 | 6.0 | 6.1 | 6.2 | 6.2 | 6.3 | 6.3 | 6.4 | 6.5 | 6.5 | 6.6 | 6.6 |
| Uruguay | 5.7 | 5.7 | 5.8 | 5.9 | 5.9 | 6.0 | 6.0 | 6.0 | 6.1 | 6.2 | 6.3 | 6.3 |
| Vietnam | 3.6 | 3.6 | 3.6 | 3.7 | 3.7 | 3.7 | 3.7 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| Rest of World | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.6 | 2.6 |
| World | 3.0 | 3.0 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 |

## Table 68 Projected Per Capita Rice Utilization for the World and Selected Countries, 2013-2024

| | 13/14 | 14/15 | 15/16 | 16/17 | 17/18 | 18/19 | 19/20 | 20/21 | 21/22 | 22/23 | 23/24 | 24/25 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (Kilograms) | | | | | | |
| Argentina | 10.5 | 10.6 | 10.5 | 10.5 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| Australia | 15.3 | 15.5 | 15.5 | 15.5 | 15.5 | 15.6 | 15.7 | 15.6 | 15.7 | 15.8 | 15.8 | 15.8 |
| Bangladesh | 222.9 | 222.4 | 223.6 | 224.8 | 226.3 | 226.9 | 227.2 | 227.6 | 227.9 | 228.1 | 228.4 | 228.5 |
| Brazil | 39.4 | 39.2 | 38.3 | 38.2 | 38.3 | 38.4 | 38.3 | 38.2 | 38.2 | 38.1 | 38.2 | 38.3 |
| Brunei Darussalam | 146.0 | 105.2 | 106.1 | 107.8 | 108.2 | 109.8 | 109.9 | 110.8 | 111.9 | 113.0 | 114.2 | 114.8 |
| Cambodia | 241.2 | 243.5 | 244.3 | 245.4 | 246.5 | 247.5 | 248.6 | 249.1 | 250.5 | 251.6 | 252.2 | 252.9 |
| Cameroon | 34.9 | 33.7 | 34.1 | 35.1 | 36.5 | 37.0 | 38.1 | 39.7 | 40.0 | 40.8 | 40.9 | 41.2 |
| Canada | 10.7 | 10.7 | 10.8 | 10.8 | 11.0 | 11.1 | 11.3 | 11.4 | 11.5 | 11.6 | 11.7 | 11.8 |
| People's Republic of China | 107.5 | 107.9 | 106.7 | 106.3 | 105.7 | 105.0 | 104.6 | 104.1 | 103.5 | 103.2 | 102.4 | 102.1 |
| Colombia | 33.2 | 33.2 | 33.0 | 33.3 | 33.9 | 34.4 | 34.5 | 34.6 | 34.7 | 34.6 | 34.7 | 34.8 |
| Cote d'Ivoire | 80.8 | 81.0 | 81.4 | 83.0 | 83.5 | 84.4 | 85.2 | 86.0 | 87.0 | 88.1 | 88.8 | 89.5 |
| Egypt | 48.7 | 47.9 | 46.8 | 46.4 | 45.7 | 45.8 | 45.9 | 45.9 | 46.0 | 46.0 | 46.0 | 45.9 |
| European Union-28 | 6.4 | 6.4 | 6.3 | 6.3 | 6.4 | 6.4 | 6.5 | 6.5 | 6.5 | 6.6 | 6.6 | 6.6 |
| Ghana | 37.6 | 37.8 | 39.6 | 41.5 | 42.6 | 43.8 | 44.9 | 45.9 | 46.7 | 47.9 | 48.6 | 49.7 |
| Guinea | 137.1 | 137.0 | 138.0 | 138.0 | 138.0 | 136.9 | 136.8 | 137.2 | 137.3 | 138.0 | 139.1 | 141.4 |
| China - Hong Kong | 58.3 | 58.7 | 57.9 | 57.4 | 57.5 | 57.3 | 57.3 | 57.2 | 57.1 | 57.0 | 56.8 | 56.7 |
| India | 79.2 | 78.1 | 78.2 | 78.6 | 78.8 | 79.0 | 79.3 | 79.4 | 79.6 | 79.7 | 79.8 | 80.1 |
| Indonesia | 154.1 | 155.1 | 152.7 | 152.7 | 152.5 | 152.1 | 151.8 | 151.2 | 151.1 | 150.6 | 150.4 | 149.5 |
| Iran | 43.9 | 43.1 | 43.5 | 43.9 | 44.3 | 44.9 | 45.0 | 45.4 | 45.9 | 46.4 | 47.0 | 47.4 |
| Iraq | 43.7 | 44.0 | 43.6 | 43.8 | 44.2 | 44.9 | 45.2 | 45.3 | 45.5 | 45.6 | 45.7 | 45.8 |
| Japan | 64.8 | 64.7 | 63.7 | 63.7 | 62.5 | 62.5 | 62.4 | 62.1 | 61.8 | 61.7 | 61.2 | 60.9 |
| Kenya | 10.7 | 10.8 | 11.1 | 11.2 | 11.3 | 11.4 | 11.6 | 11.9 | 12.1 | 12.5 | 12.8 | 13.1 |
| Lao PDR | 229.0 | 228.1 | 228.2 | 229.6 | 230.4 | 230.1 | 230.0 | 229.8 | 229.8 | 229.8 | 229.9 | 230.2 |
| Liberia | 107.0 | 111.1 | 113.4 | 111.9 | 112.9 | 113.3 | 113.9 | 114.8 | 115.7 | 116.4 | 118.1 | 119.4 |
| Malaysia | 93.4 | 92.9 | 92.4 | 92.1 | 91.9 | 91.9 | 91.8 | 91.7 | 91.6 | 91.4 | 91.3 | 91.3 |
| Mali | 97.0 | 96.5 | 97.0 | 97.9 | 101.8 | 103.5 | 105.4 | 106.4 | 107.2 | 107.7 | 108.0 | 107.8 |
| Mexico | 7.0 | 7.2 | 7.2 | 7.3 | 7.4 | 7.4 | 7.5 | 7.6 | 7.8 | 7.8 | 7.8 | 7.8 |
| Mozambique | 28.2 | 28.2 | 28.5 | 28.8 | 29.1 | 29.7 | 30.0 | 30.3 | 30.8 | 31.1 | 31.5 | 31.7 |
| Myanmar (Burma) | 166.3 | 167.2 | 167.2 | 167.2 | 167.6 | 167.9 | 168.1 | 168.4 | 168.9 | 169.4 | 170.4 | 172.1 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nigeria | 33.4 | 32.9 | 33.2 | 33.8 | 34.5 | 35.3 | 35.9 | 36.6 | 37.2 | 37.9 | 38.6 | 39.3 |
| Pakistan | 14.4 | 14.6 | 14.7 | 14.7 | 14.7 | 14.7 | 14.8 | 14.8 | 14.9 | 14.9 | 15.0 | 15.1 |
| Philippines | 130.6 | 130.8 | 130.0 | 130.0 | 130.0 | 130.4 | 130.1 | 130.0 | 130.0 | 130.2 | 130.4 | 130.5 |
| Saudi Arabia | 49.4 | 48.7 | 48.7 | 48.7 | 49.0 | 49.3 | 49.6 | 49.9 | 50.1 | 50.4 | 50.6 | 50.9 |
| Senegal | 99.6 | 100.3 | 100.5 | 101.1 | 101.5 | 102.0 | 102.3 | 102.5 | 102.8 | 103.0 | 103.2 | 103.4 |
| Sierra Leone | 174.1 | 160.5 | 163.8 | 166.3 | 168.9 | 171.5 | 174.1 | 177.4 | 179.9 | 183.2 | 185.8 | 189.0 |
| Singapore | 55.4 | 55.1 | 54.9 | 54.6 | 54.5 | 54.1 | 53.9 | 53.6 | 53.5 | 53.3 | 53.1 | 52.8 |
| South Africa | 17.9 | 18.8 | 18.9 | 19.1 | 19.3 | 19.6 | 20.0 | 20.2 | 20.6 | 20.7 | 20.7 | 20.8 |
| South Korea | 90.5 | 91.3 | 90.3 | 89.6 | 89.0 | 88.7 | 87.4 | 86.9 | 86.5 | 86.4 | 86.2 | 85.9 |
| Taiwan | 56.0 | 55.6 | 53.9 | 53.3 | 52.5 | 51.8 | 51.4 | 51.1 | 50.8 | 50.5 | 50.2 | 50.0 |
| Tanzania | 29.5 | 29.7 | 30.0 | 29.9 | 30.3 | 30.7 | 31.3 | 31.6 | 32.3 | 32.8 | 33.6 | 33.9 |
| Thailand | 162.3 | 162.6 | 161.3 | 160.4 | 160.0 | 158.5 | 157.8 | 157.2 | 156.5 | 156.0 | 154.8 | 154.3 |
| Turkey | 10.3 | 10.3 | 10.2 | 10.4 | 10.4 | 10.6 | 10.7 | 10.9 | 10.9 | 11.0 | 11.2 | 11.2 |
| United States | 12.6 | 13.2 | 13.4 | 13.5 | 13.6 | 13.6 | 13.6 | 13.5 | 13.4 | 13.4 | 13.4 | 13.3 |
| Uruguay | 16.1 | 16.6 | 16.6 | 16.7 | 16.7 | 16.7 | 16.8 | 16.7 | 16.8 | 16.7 | 16.8 | 17.9 |
| Vietnam | 240.0 | 236.2 | 233.3 | 232.0 | 232.6 | 230.5 | 229.2 | 232.5 | 230.7 | 228.9 | 228.3 | 227.6 |
| Rest of World | 22.7 | 23.2 | 23.1 | 23.2 | 23.4 | 23.6 | 24.0 | 24.3 | 24.6 | 39.6 | 25.0 | 25.1 |
| World | 66.5 | 66.5 | 66.0 | 66.0 | 66.0 | 65.9 | 65.9 | 65.8 | 65.8 | 65.7 | 65.6 | 65.5 |

## Table 69 Total World Rice Trade by Country, 2013-2024

| Country | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EXPORTERS | | | | | | | | | | | | |
| United States | 2985 | 3284 | 3334 | 3584 | 3639 | 3622 | 3621 | 3635 | 3636 | 3659 | 3678 | 3720 |
| Thailand | 10300 | 10708 | 11158 | 11335 | 11559 | 11815 | 12095 | 12374 | 12623 | 12894 | 13195 | 13579 |
| Pakistan | 3900 | 3973 | 4001 | 4013 | 4035 | 4028 | 4067 | 4085 | 4098 | 4127 | 4132 | 4151 |
| Myanmar | 1550 | 1549 | 1478 | 1552 | 1580 | 1719 | 1973 | 2211 | 2434 | 2550 | 2655 | 2712 |
| Vietnam | 6500 | 6578 | 7082 | 6971 | 7035 | 7095 | 7254 | 7261 | 7385 | 7587 | 7694 | 7776 |
| People's Republic of China | 257 | 417 | 487 | 589 | 648 | 676 | 679 | 709 | 735 | 741 | 770 | 781 |
| India | 10300 | 8582 | 7185 | 7038 | 7122 | 7244 | 7246 | 7314 | 7544 | 7694 | 8045 | 8064 |
| Cambodia | 1000 | 1183 | 1273 | 1367 | 1570 | 1771 | 1895 | 2008 | 2119 | 2240 | 2365 | 2422 |
| Lao PDR | -15 | -10 | 33 | 57 | 65 | 78 | 91 | 106 | 121 | 145 | 166 | 194 |
| Australia | 460 | 402 | 417 | 431 | 440 | 452 | 477 | 502 | 515 | 528 | 535 | 538 |
| Egypt | 600 | 501 | 504 | 673 | 669 | 695 | 715 | 735 | 751 | 759 | 763 | 766 |
| Turkey | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| European Union 28 | 245 | 331 | 338 | 341 | 344 | 347 | 352 | 368 | 374 | 355 | 338 | 387 |
| Brazil | 900 | 898 | 879 | 892 | 890 | 887 | 890 | 889 | 889 | 889 | 889 | 889 |
| Cote d'Ivoire | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Senegal | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Guinea | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Tanzania | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Japan | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Argentina | 600 | 595 | 629 | 652 | 641 | 670 | 656 | 658 | 677 | 685 | 693 | 707 |
| Uruguay | 890 | 967 | 1000 | 1032 | 1051 | 1071 | 1089 | 1106 | 1122 | 1136 | 1150 | 1147 |
| ROW and Residual | 1364 | 1357 | 1314 | 1290 | 1282 | 1269 | 1256 | 1241 | 1226 | 1202 | 1181 | 1153 |
| Total Exports | 42226 | 41705 | 41502 | 42205 | 42960 | 43830 | 44746 | 45594 | 46639 | 47582 | 48638 | 49377 |
| IMPORTERS | | | | | | | | | | | | |
| United States | 733 | 712 | 771 | 766 | 781 | 778 | 795 | 803 | 814 | 827 | 852 | 881 |
| Thailand | 300 | 500 | 467 | 422 | 463 | 451 | 445 | 453 | 450 | 449 | 451 | 450 |
| Pakistan | 30 | 43 | 39 | 37 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| Vietnam | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| People's Republic of China | 4015 | 3998 | 3781 | 3773 | 3686 | 3701 | 3718 | 3731 | 3743 | 3756 | 3767 | 3782 |
| China-Hong Kong | 420 | 426 | 423 | 423 | 426 | 428 | 430 | 432 | 433 | 435 | 436 | 437 |
| Egypt | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Japan | 654 | 682 | 682 | 682 | 682 | 682 | 682 | 682 | 682 | 682 | 682 | 682 |
| Bangladesh | 751 | 615 | 872 | 846 | 986 | 1012 | 819 | 620 | 378 | 223 | 128 | 84 |
| Indonesia | 1225 | 1368 | 1705 | 1910 | 1682 | 1599 | 1412 | 1270 | 1311 | 1376 | 1359 | 1315 |
| Iraq | 1350 | 1396 | 1412 | 1445 | 1491 | 1553 | 1598 | 1644 | 1697 | 1747 | 1796 | 1842 |
| Iran | 1650 | 1603 | 1605 | 1714 | 1782 | 1870 | 1899 | 1957 | 2006 | 2046 | 2104 | 2138 |
| Malaysia | 1100 | 1098 | 1049 | 1061 | 1092 | 1099 | 1135 | 1138 | 1157 | 1170 | 1196 | 1210 |
| Philippines | 1450 | 1469 | 1270 | 1246 | 1364 | 1471 | 1483 | 1570 | 1649 | 1752 | 1860 | 1981 |
| Saudi Arabia | 1450 | 1404 | 1457 | 1485 | 1518 | 1551 | 1585 | 1616 | 1645 | 1673 | 1701 | 1726 |
| European Union 28 | 1530 | 1513 | 1503 | 1512 | 1535 | 1551 | 1572 | 1590 | 1608 | 1625 | 1642 | 1658 |
| Singapore | 300 | 304 | 308 | 312 | 317 | 319 | 322 | 325 | 327 | 329 | 331 | 332 |
| Brunei Darussalam | 60 | 44 | 44 | 46 | 46 | 48 | 48 | 49 | 50 | 51 | 53 | 53 |
| Turkey | 341 | 295 | 288 | 316 | 307 | 319 | 331 | 339 | 335 | 345 | 351 | 349 |
| South Korea | 310 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 | 409 |
| Taiwan | 135 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| Australia | 150 | 152 | 151 | 151 | 150 | 148 | 147 | 147 | 147 | 147 | 147 | 147 |
| Brazil | 700 | 739 | 471 | 421 | 376 | 364 | 269 | 183 | 139 | 76 | 55 | 36 |
| Mexico | 693 | 779 | 757 | 771 | 790 | 810 | 829 | 850 | 878 | 886 | 887 | 908 |
| Canada | 377 | 381 | 386 | 391 | 404 | 413 | 423 | 431 | 440 | 448 | 457 | 465 |
| Cote d'Ivoire | 1150 | 1159 | 1186 | 1199 | 1199 | 1230 | 1245 | 1260 | 1273 | 1285 | 1300 | 1298 |
| Nigeria | 2800 | 3302 | 3254 | 3280 | 3381 | 3484 | 3673 | 3889 | 4086 | 4299 | 4550 | 4830 |
| South Africa | 975 | 1033 | 1034 | 1050 | 1069 | 1089 | 1114 | 1135 | 1159 | 1170 | 1178 | 1190 |
| Senegal | 1100 | 1140 | 1115 | 1131 | 1153 | 1185 | 1216 | 1249 | 1281 | 1316 | 1345 | 1379 |
| Ghana | 600 | 638 | 693 | 731 | 740 | 764 | 784 | 802 | 814 | 840 | 844 | 870 |
| Cameroon | 525 | 508 | 509 | 523 | 544 | 542 | 560 | 586 | 587 | 598 | 592 | 586 |
| Mozambique | 500 | 532 | 541 | 563 | 585 | 618 | 643 | 670 | 700 | 729 | 759 | 781 |
| Guinea | 340 | 325 | 305 | 299 | 289 | 262 | 262 | 269 | 269 | 277 | 288 | 315 |
| Kenya | 430 | 387 | 419 | 427 | 440 | 447 | 474 | 502 | 522 | 553 | 583 | 605 |
| Tanzania | 200 | 208 | 157 | 113 | 96 | 92 | 103 | 105 | 138 | 160 | 212 | 234 |
| Sierra Leone | 270 | 222 | 205 | 196 | 176 | 158 | 153 | 151 | 154 | 141 | 135 | 139 |
| Mali | 150 | 51 | 17 | -32 | -16 | -18 | -7 | 2 | 1 | -24 | -42 | -128 |
| Liberia | 300 | 301 | 302 | 295 | 300 | 307 | 314 | 324 | 334 | 342 | 356 | 369 |
| Colombia | 325 | 362 | 345 | 347 | 359 | 372 | 377 | 383 | 385 | 386 | 392 | 394 |
| ROW and Residual | 12512 | 11156 | 11118 | 11495 | 11865 | 12232 | 12992 | 13538 | 14145 | 14570 | 14994 | 15140 |
| Total Imports | 42226 | 41705 | 41502 | 42205 | 42960 | 43830 | 44746 | 45594 | 46639 | 47582 | 48638 | 49377 |

# Estimates of the Stochastic Baseline Analysis

Charts of Selected Price and Trade Variables Showing the 10th and 90th Percentiles, the Stochastic Mean, and the C.V. of Future Probable Distributions Based on Outcomes from 200 Random Draws

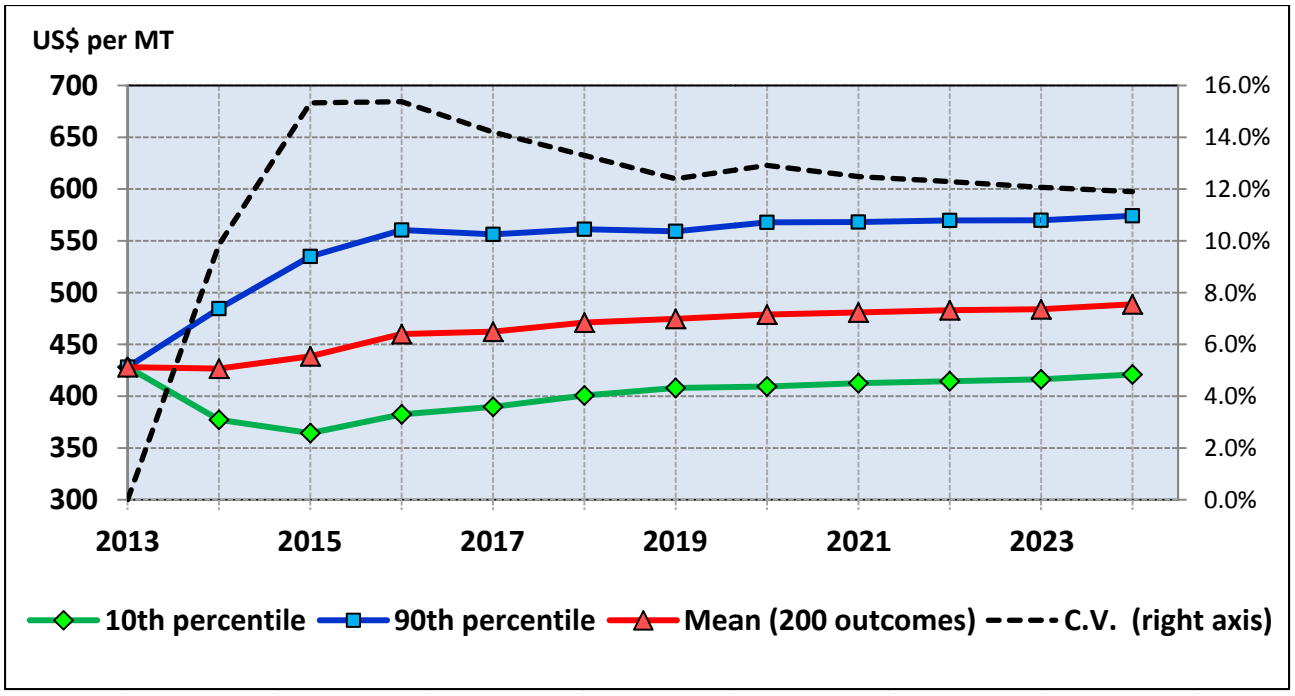


**Figure 17 Stochastic Projection of Long Grain Rice International Reference Price, 2013-2024**

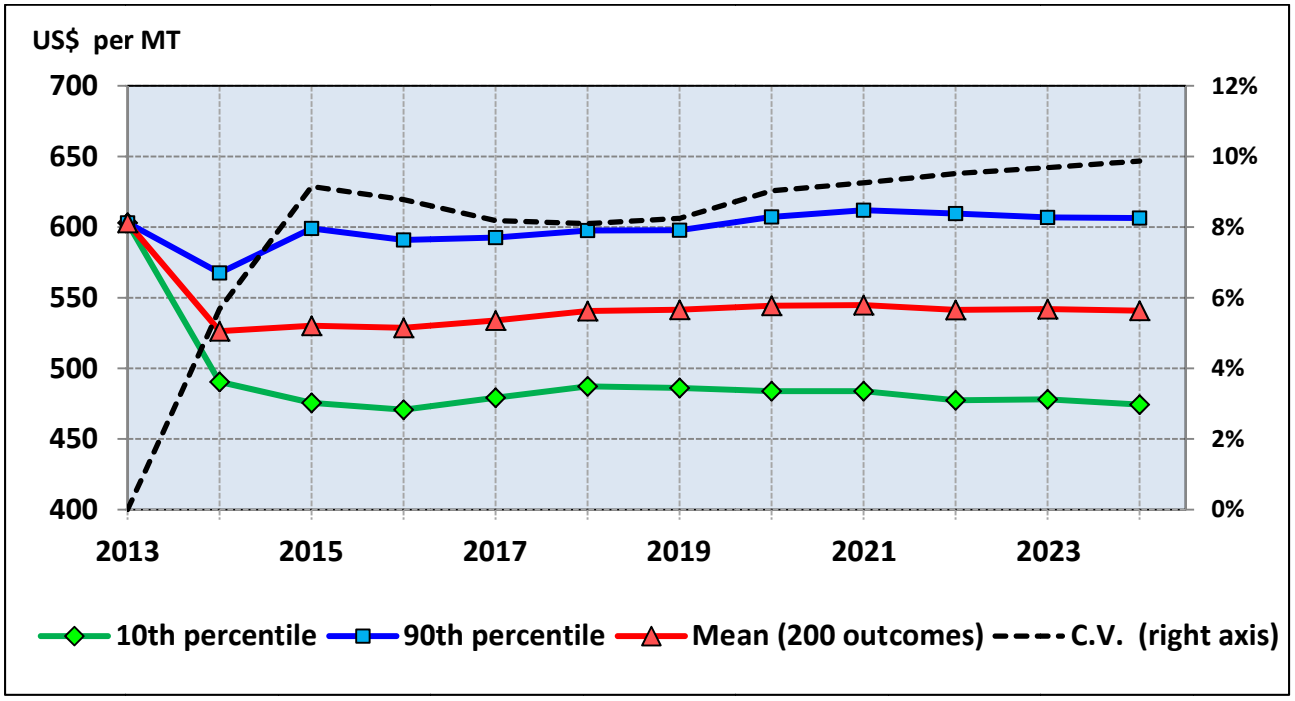


**Figure 18 Stochastic Projection of U.S. Long Grain Rice FOB Export Price, 2013-2024**

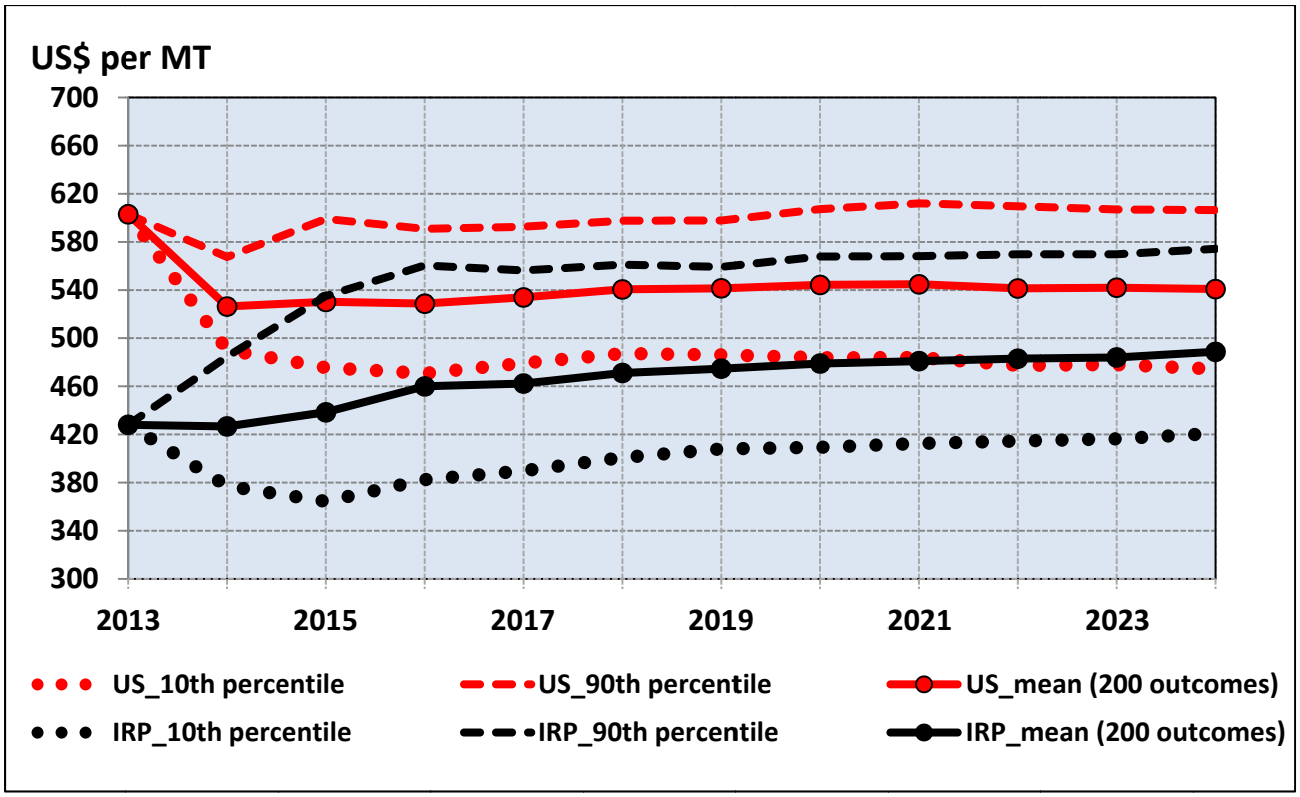


**Figure 19 Stochastic Projections of International Reference and U.S. Long Grain Rice Export Prices, 2013-2024**

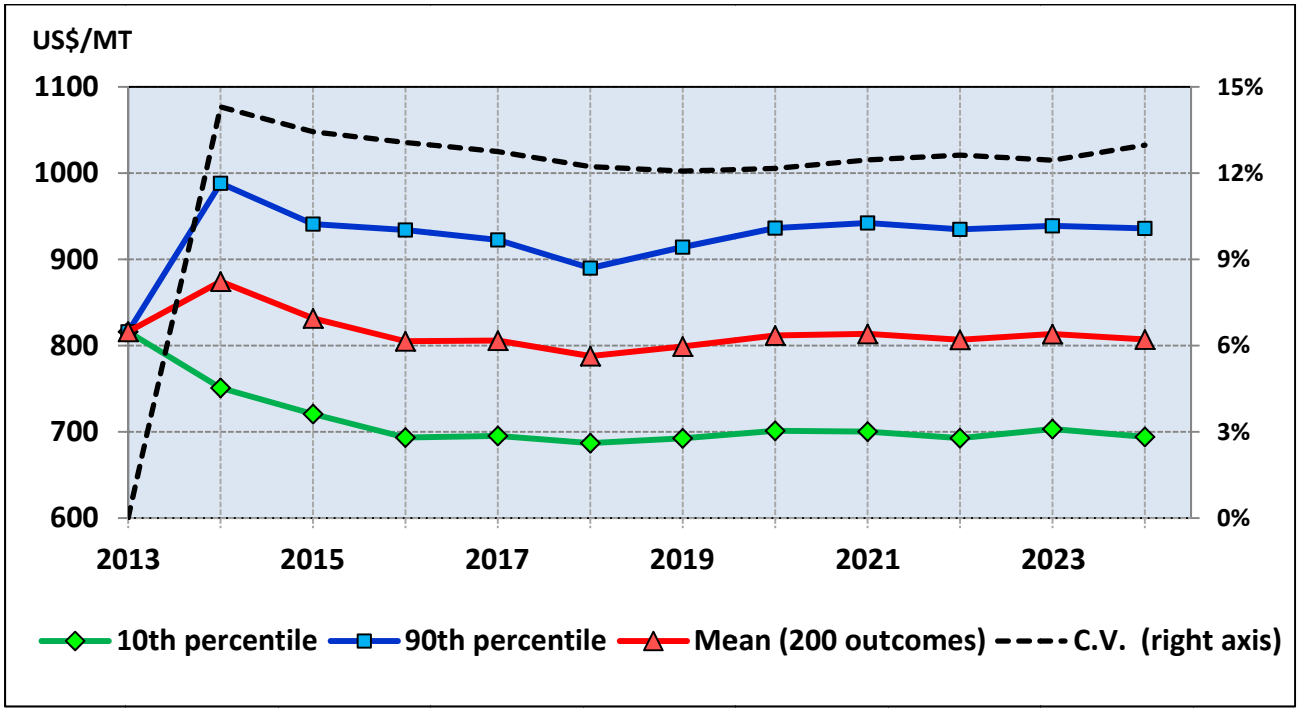


**Figure 20 Stochastic Projection of Medium Grain Rice Price, FOB California, 2013-2024**

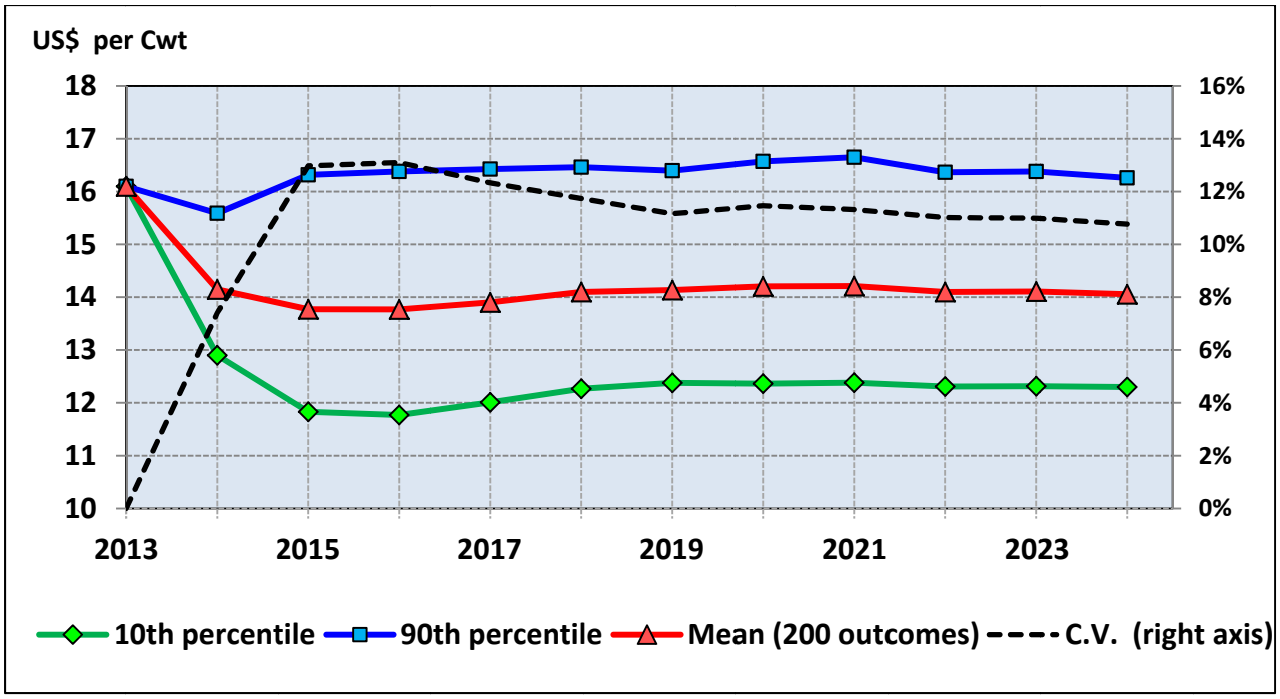


**Figure 21 Stochastic Projection of U.S. Season Average All Rice Farm Price, 2013-2024**

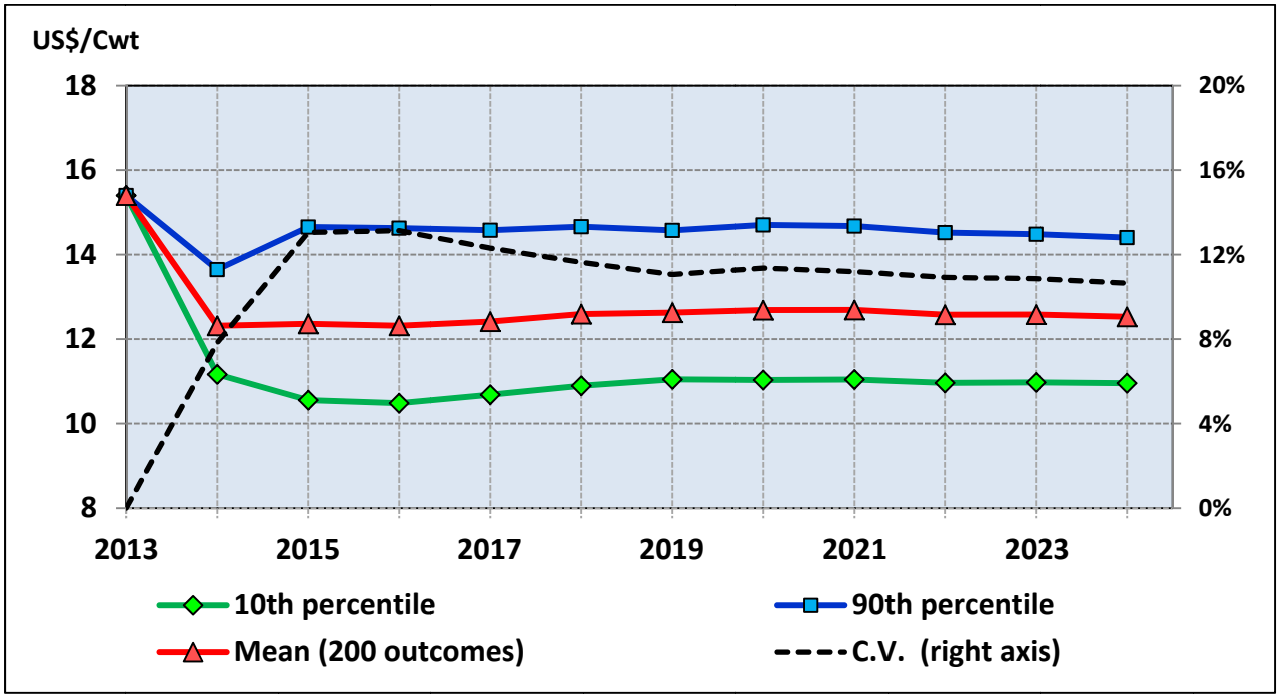


**Figure 22 Stochastic Projection of U.S. Long Grain Average Farm Price, 2013-2024**

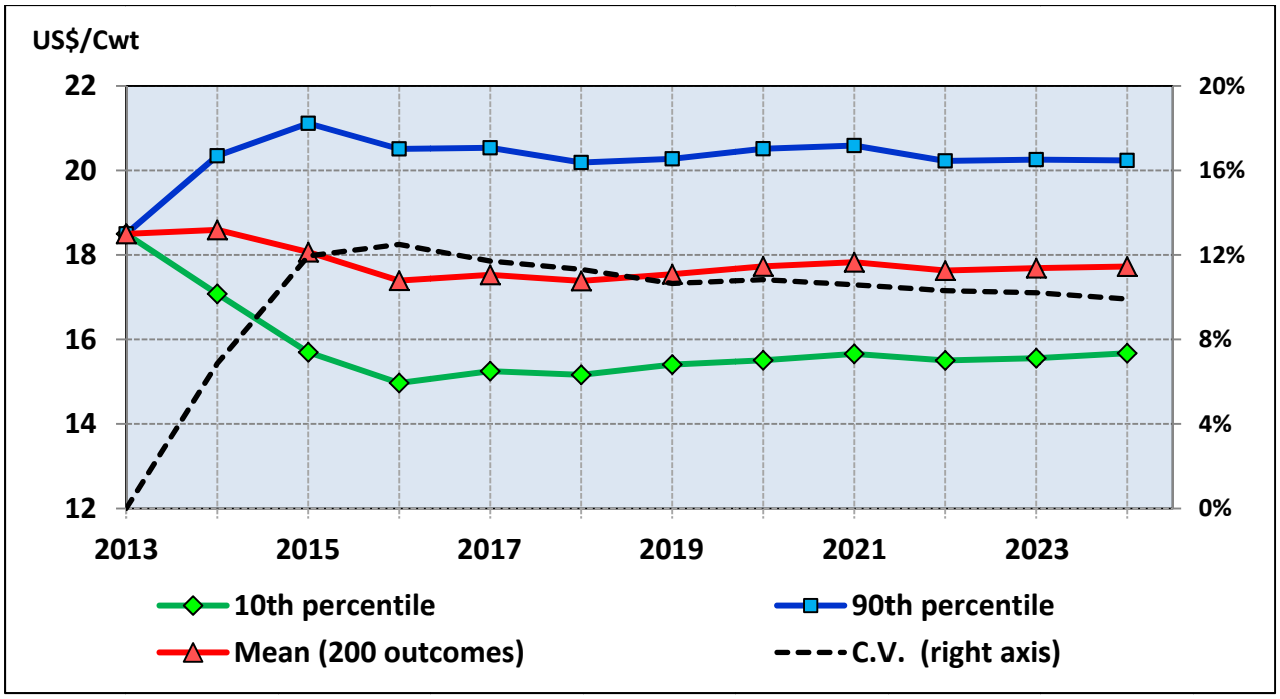


**Figure 23 Stochastic Projection of U.S. Medium Grain Average Farm Price, 2013-2024**

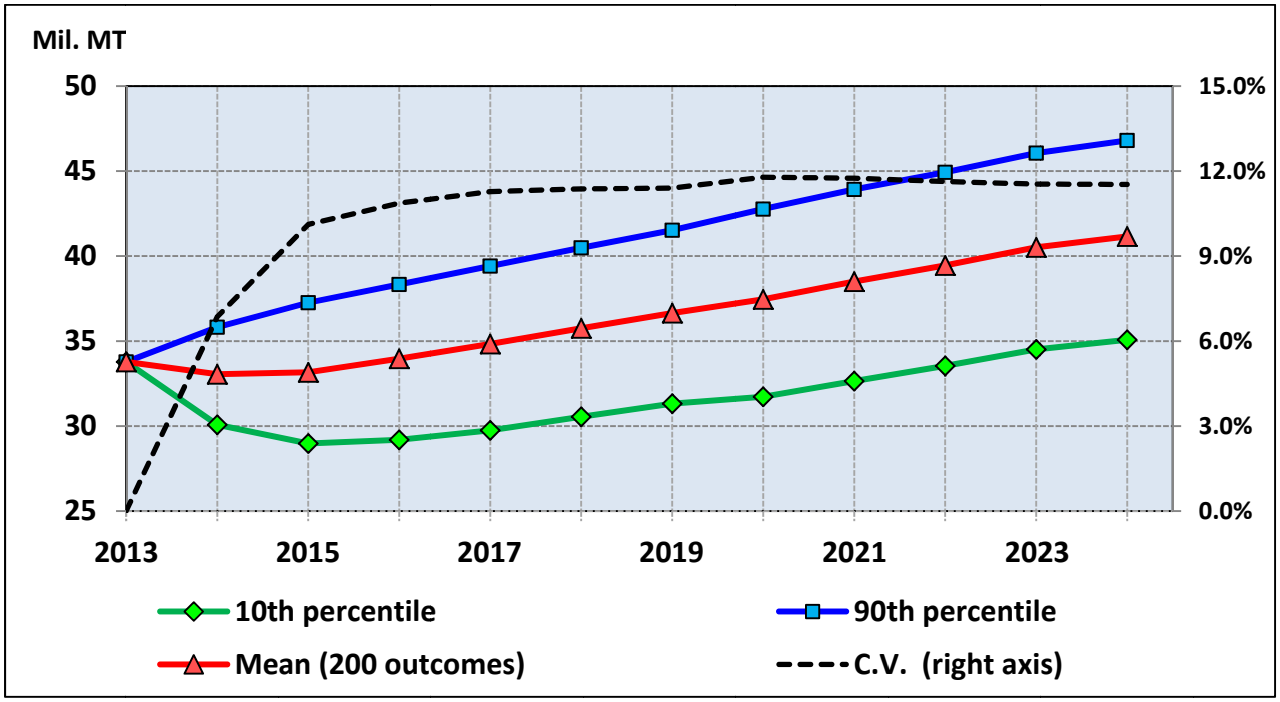


**Figure 24 Stochastic Projection of World Rice Net Trade, 2013-2024**

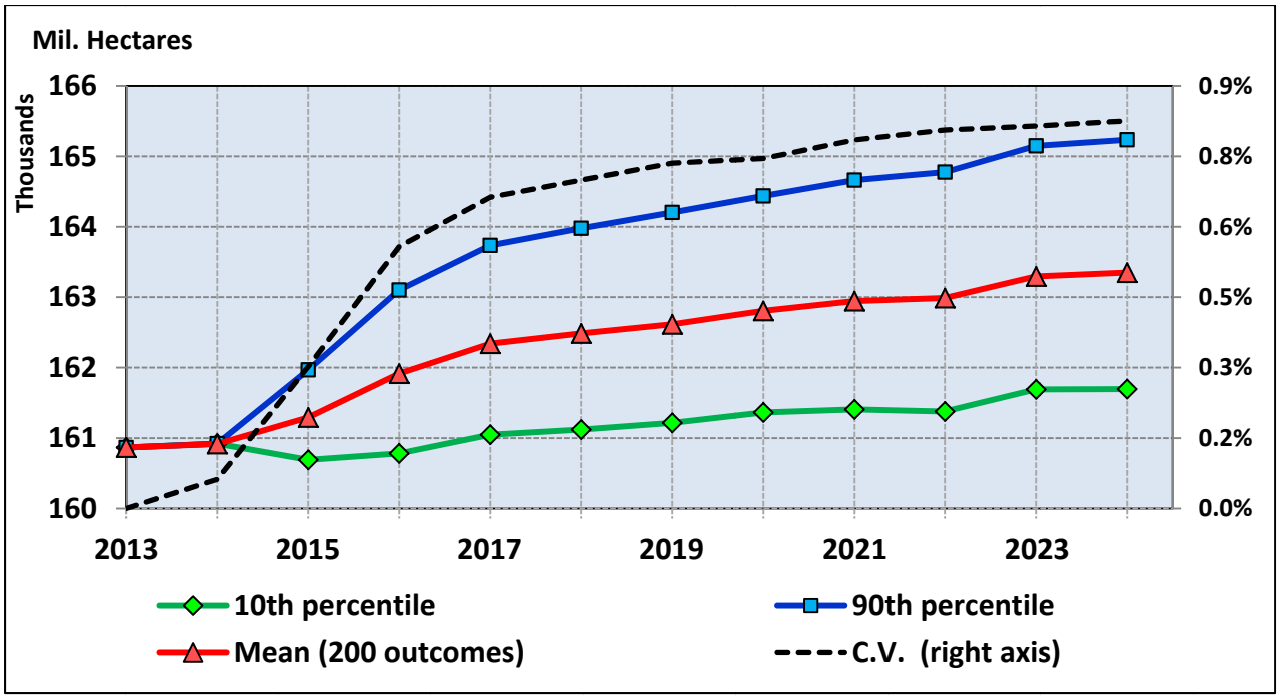


**Figure 25 Stochastic Projection of World Rice Area Harvested, 2013-2024**

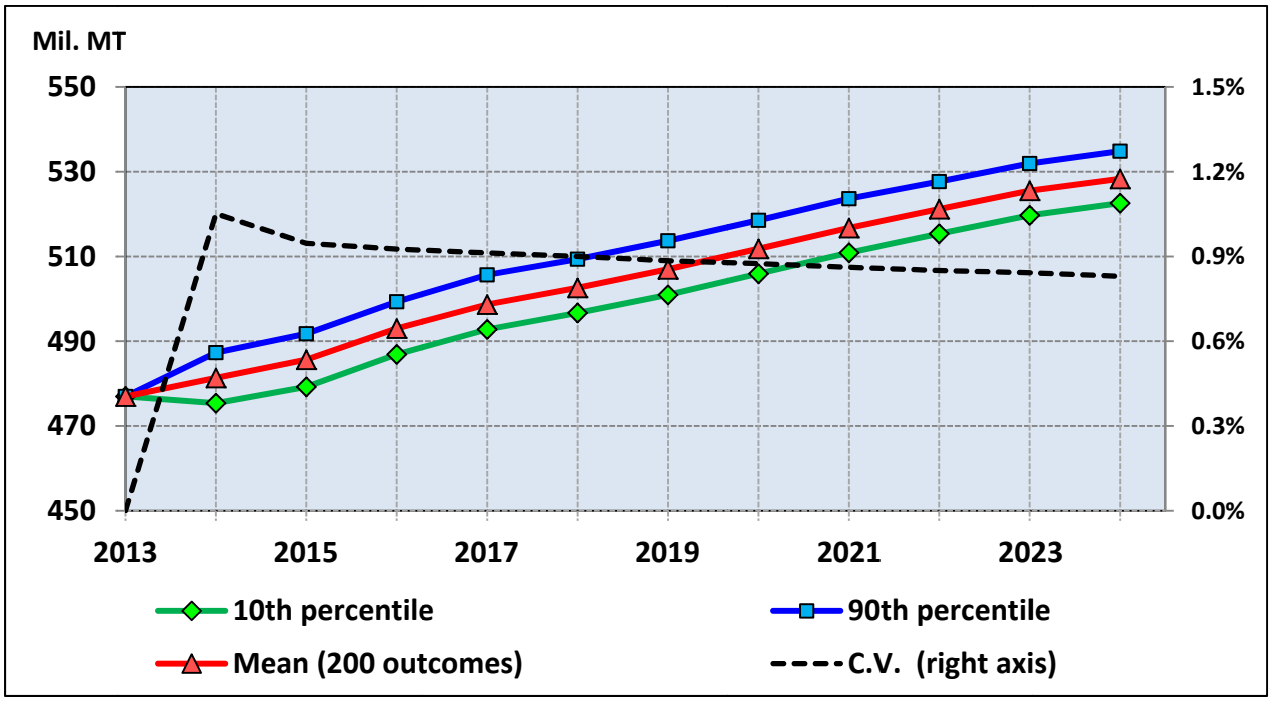


**Figure 26 Stochastic Projection of World Rice Milled Production, 2013-2024**

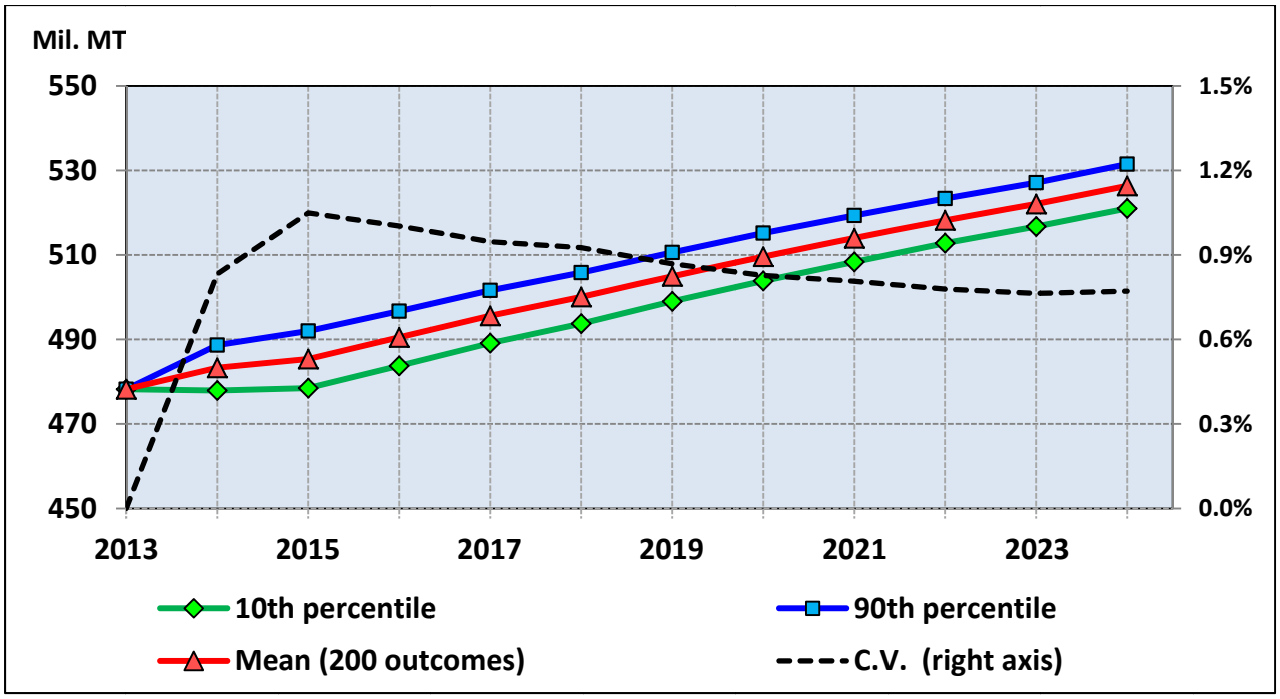


**Figure 27 Stochastic Projection of World Total Rice Consumption, 2013-2024**

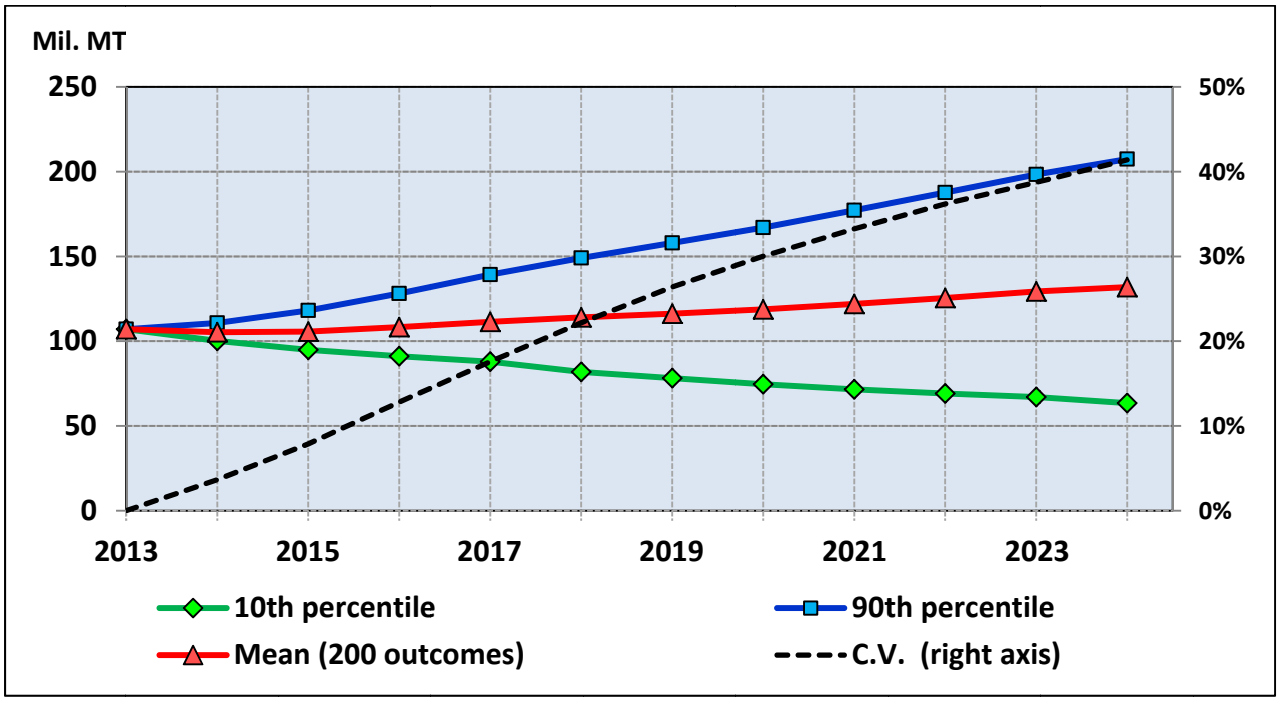


**Figure 28 Stochastic Projection of World Rice Ending Stocks, 2013-2024**

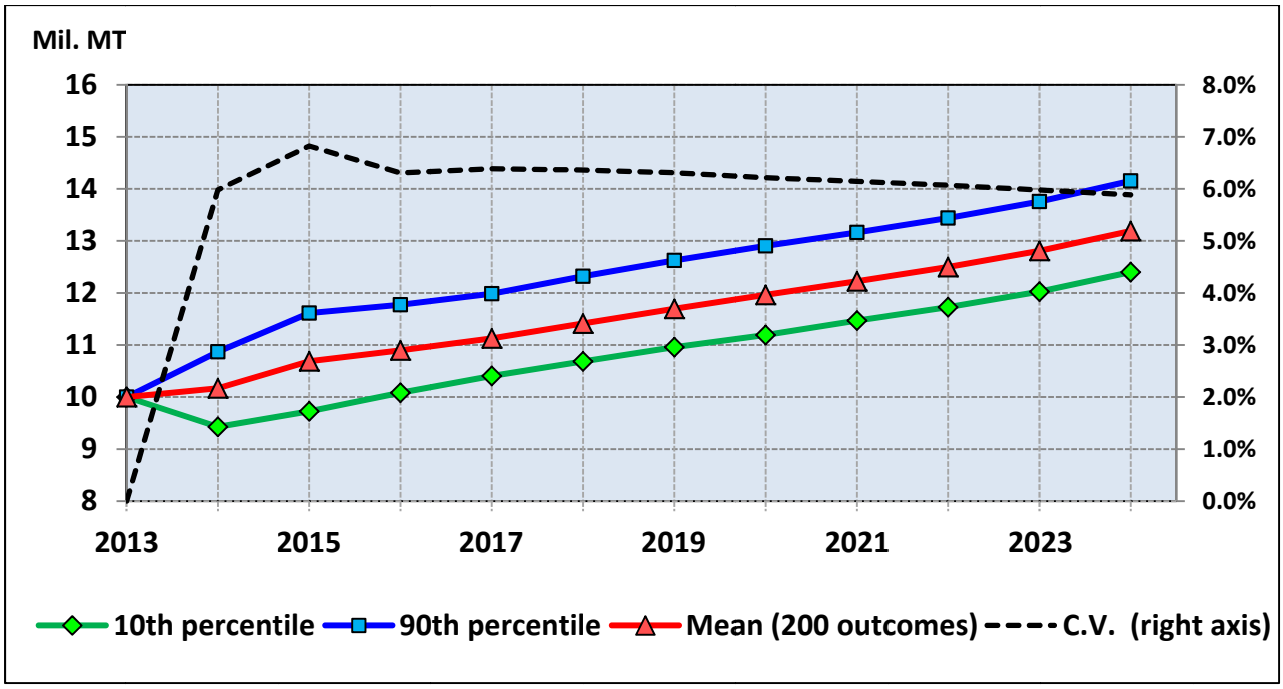


**Figure 29 Stochastic Projections of Thailand Net Rice Exports, 2013-2024**

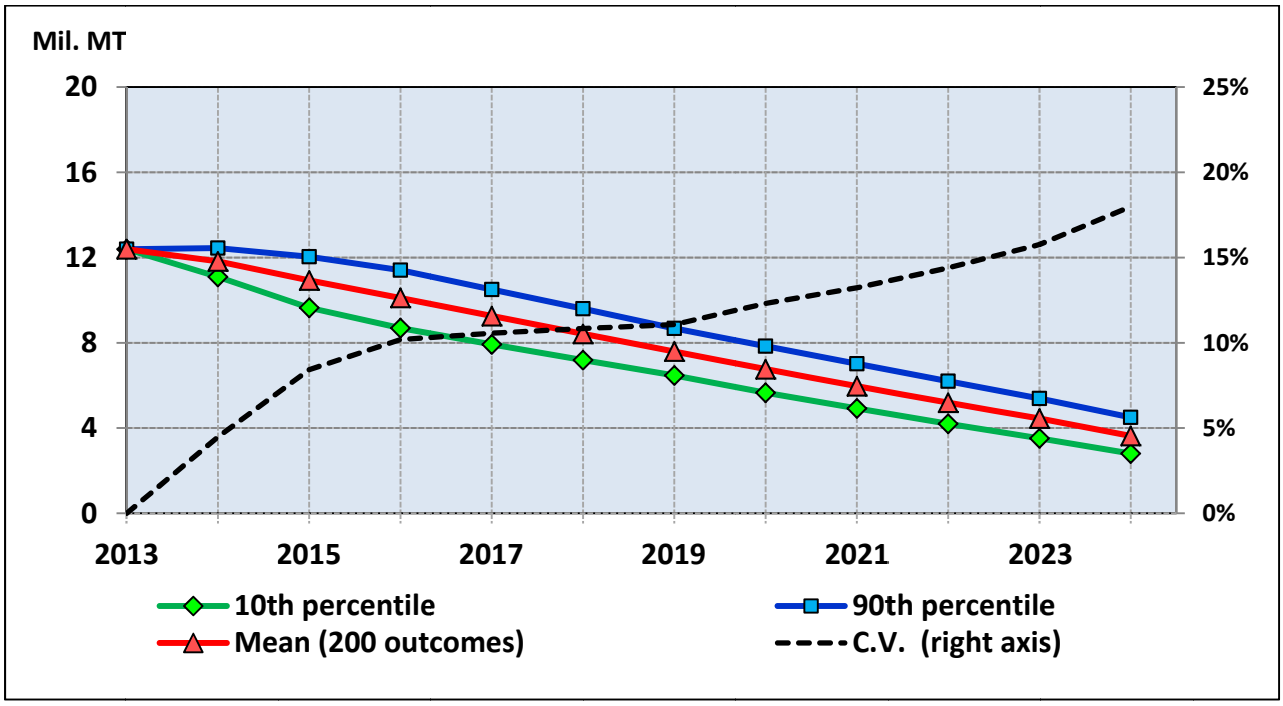


**Figure 30 Stochastic Projection of Thailand Rice Ending Stocks, 2013-2024**

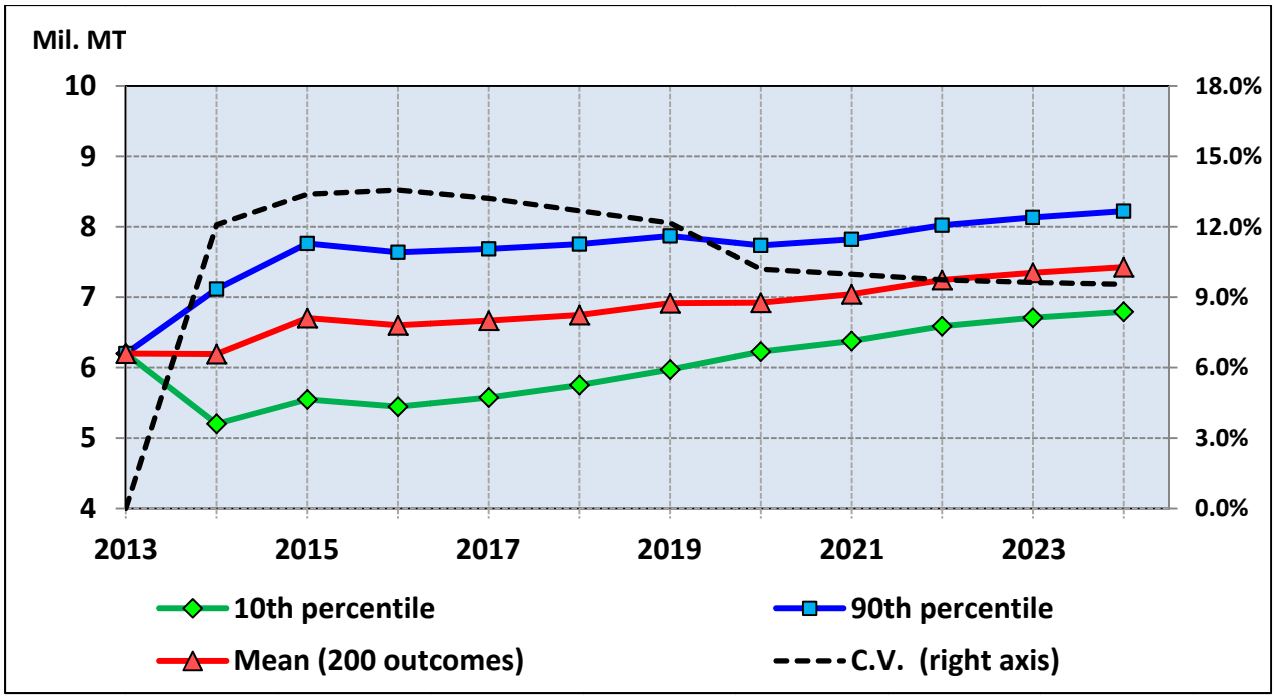


**Figure 31 Stochastic Projections of Vietnam Net Rice Exports, 2013-2024**

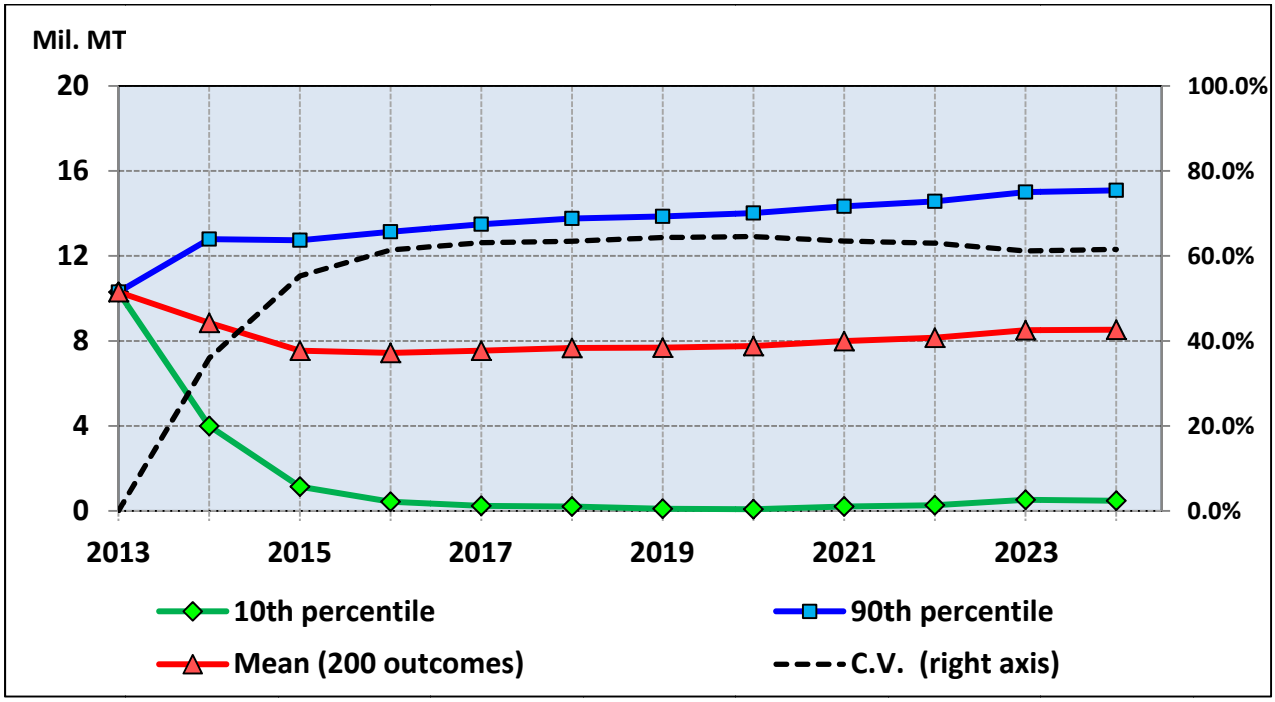


**Figure 32 Stochastic Projections of India Net Rice Exports, 2013-2024**

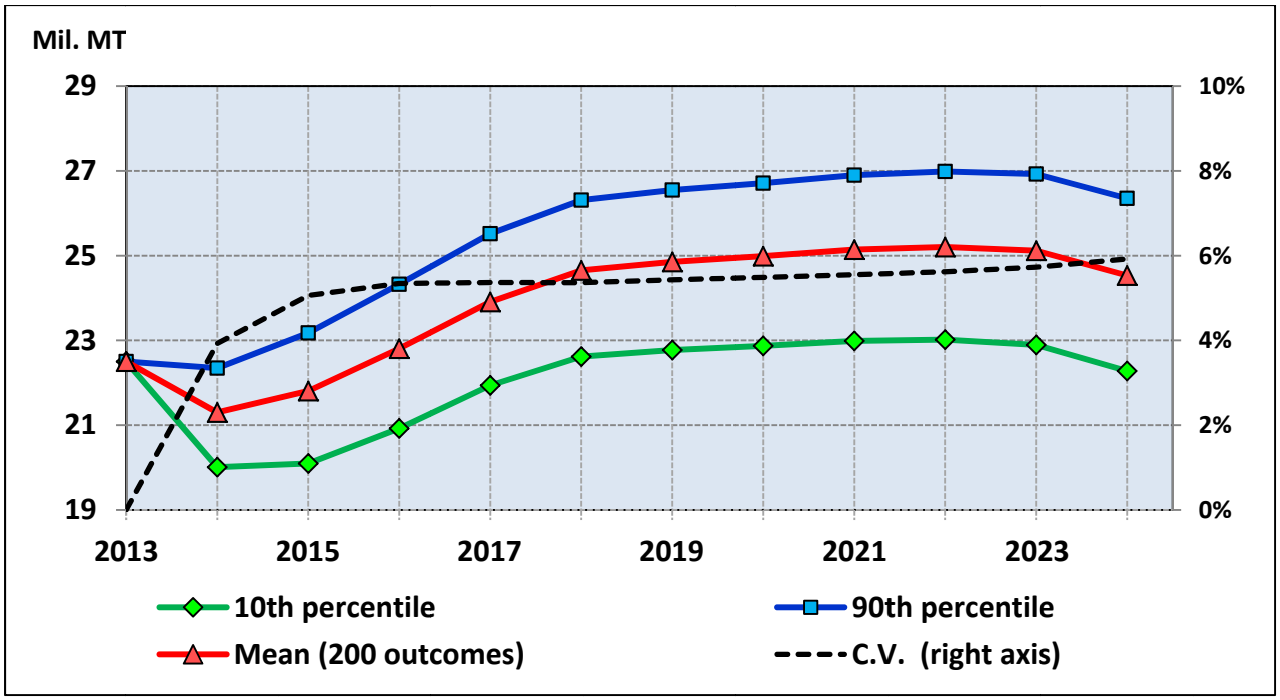


**Figure 33 Stochastic Projection of India Rice Ending Stocks, 2013-2024**

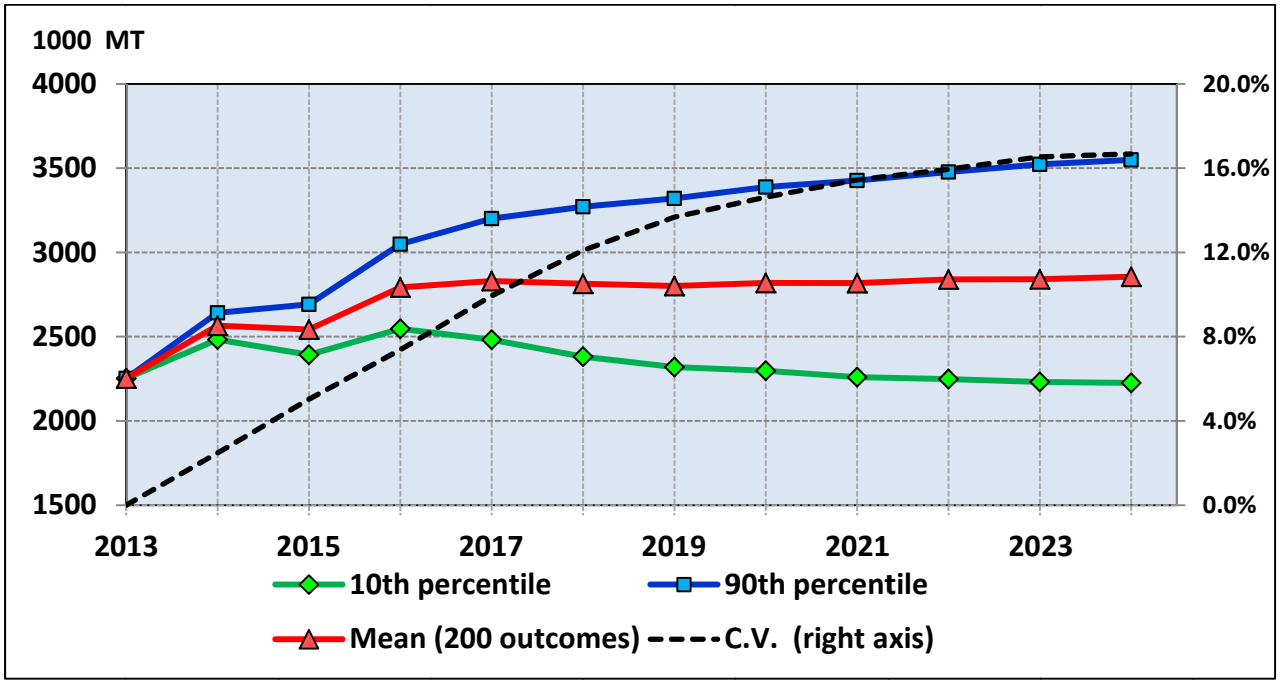


**Figure 34 Stochastic Projections of U.S. Net Rice Exports, 2013-2024**

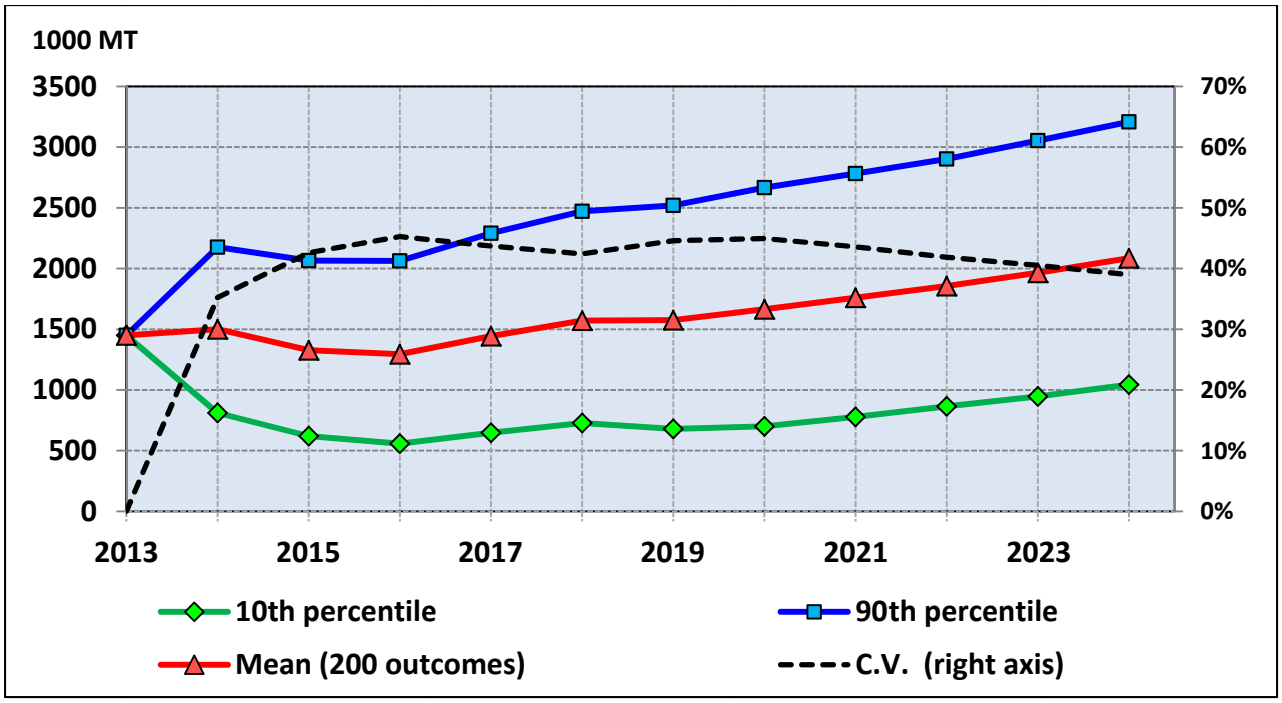


**Figure 35 Stochastic Projections of Philippine Net Rice Imports, 2013-2024**

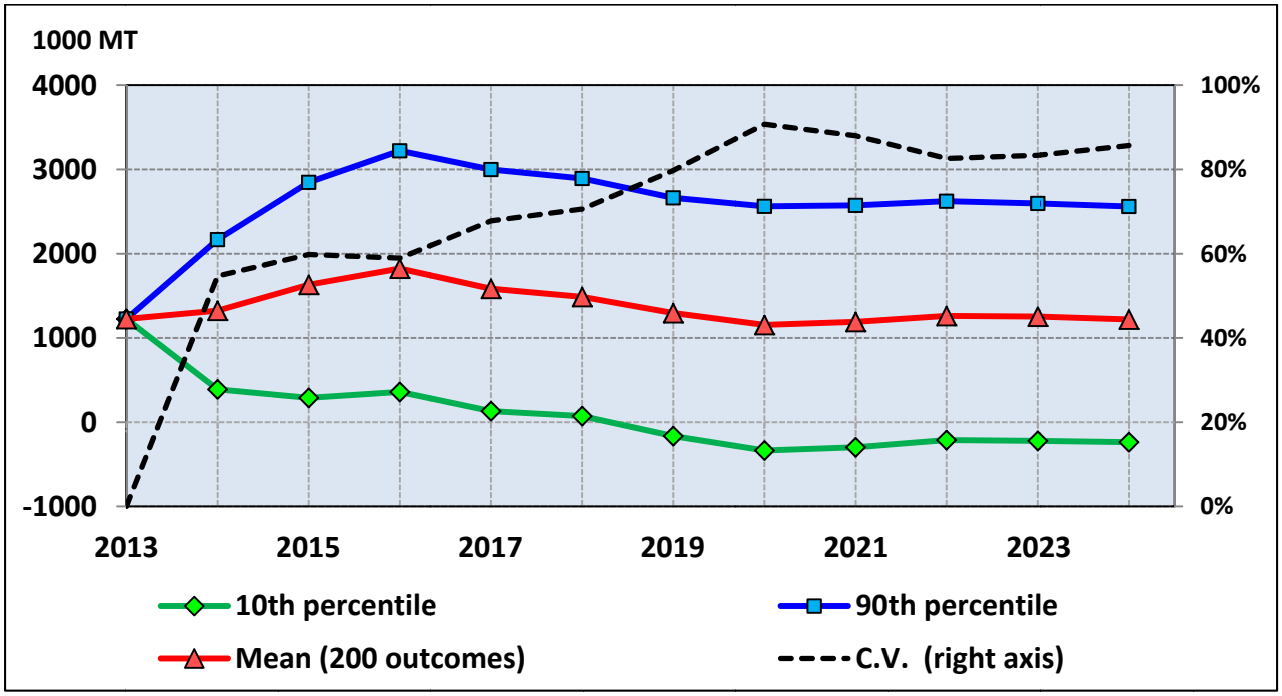


**Figure 36 Stochastic Projections of Indonesia Net Rice Imports, 2013-2024**

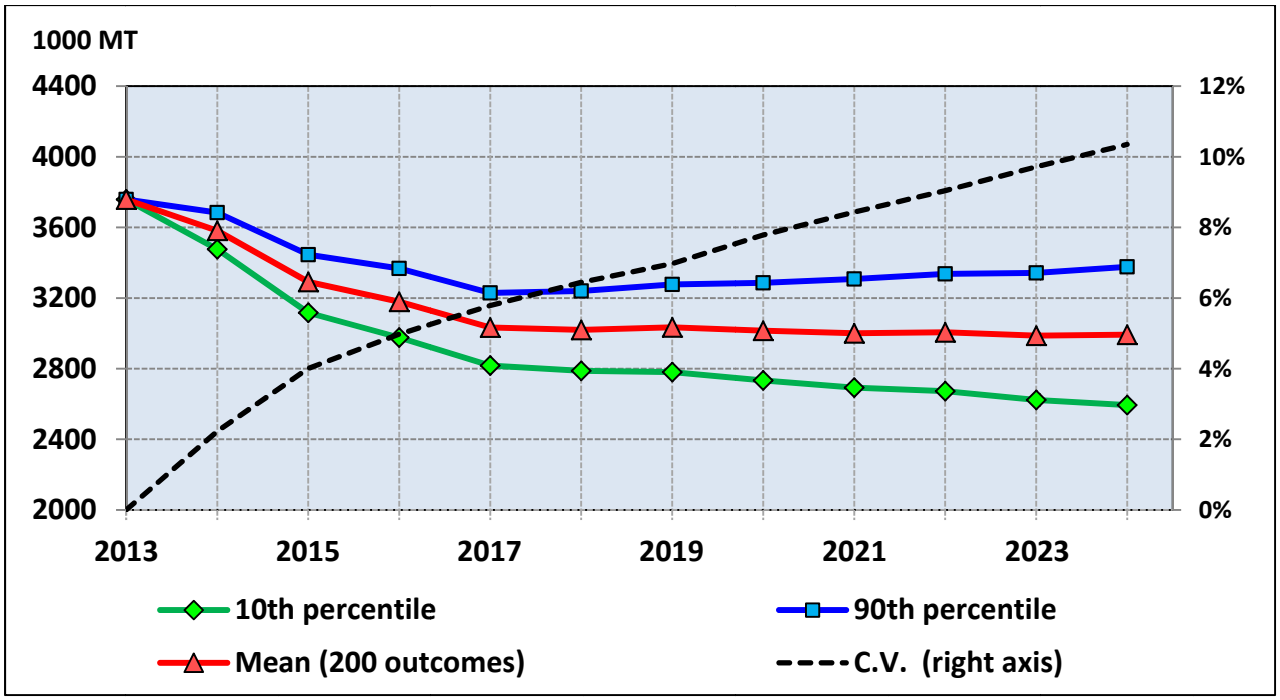


**Figure 37 Stochastic Projections of People's Republic of China Net Rice Imports, 2013-2024**

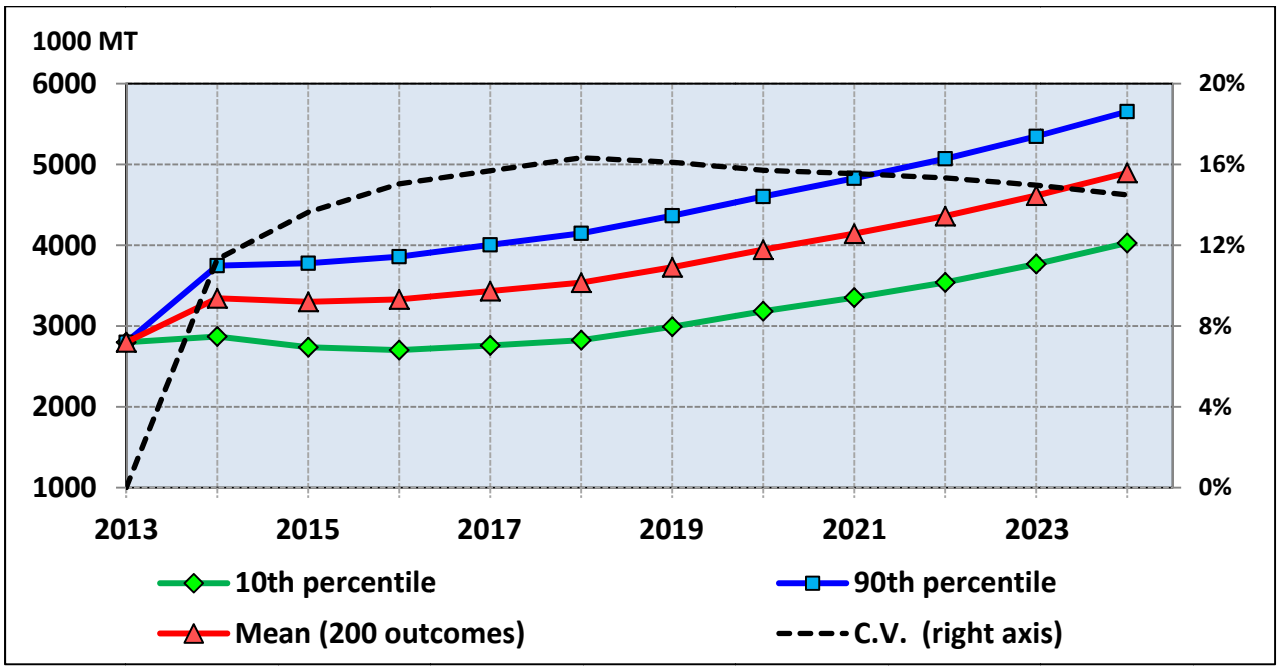


**Figure 38 Stochastic Projections of Nigeria Net Rice Imports, 2013-2024**

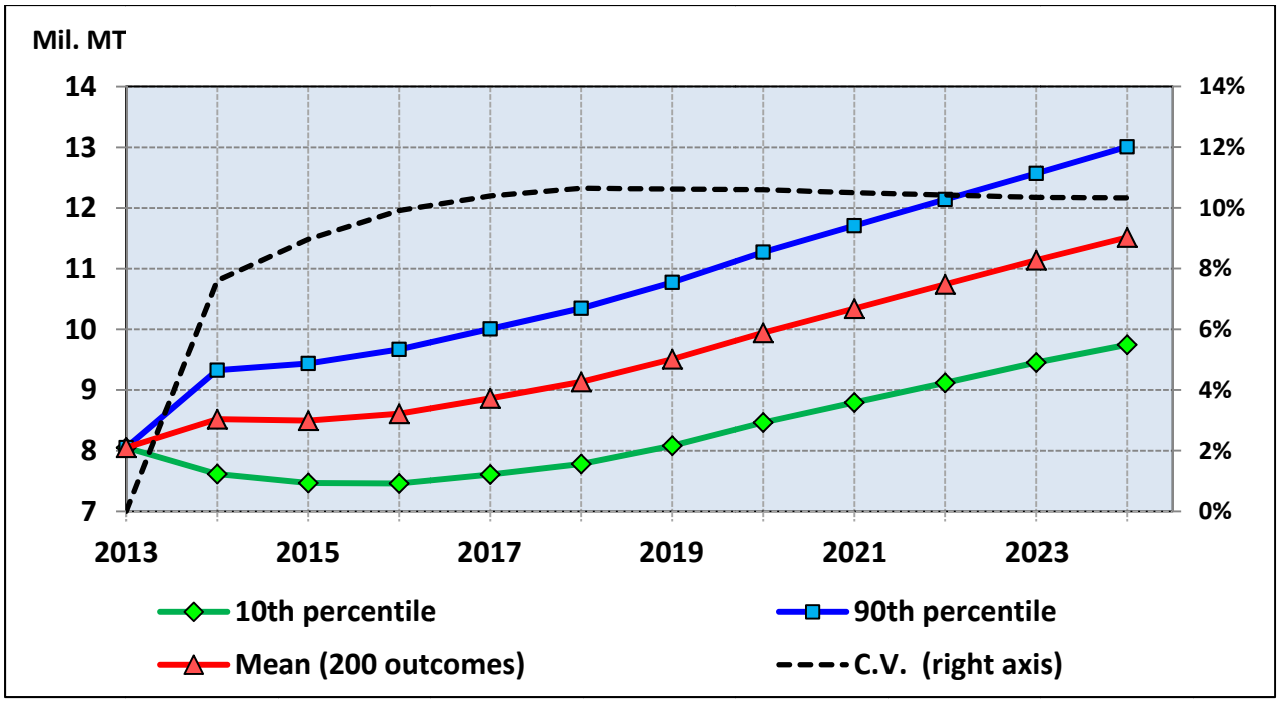


**Figure 39 Stochastic Projections of ECOWAS-15 Net Rice Imports, 2013-2024**

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