Self-Sufficiency Ratio (SSR) for Commodities in Southeast Asia for 2026

Rice

Rice is one of the most important staple food grains for the global population, providing essential energy as well as key nutrients such as minerals and vitamins [1]. Southeast Asia is one of the world's most important rice-producing regions, contributing approximately 40% of global rice exports [2]. However, countries in the region may face increasingly unpredictable situations, including natural disasters and challenges related to production factors. The Self-Sufficiency Ratio (SSR), as defined by the Food and Agriculture Organization (FAO), is an indicator that measures the extent to which a country can meet its food needs from domestic production. It represents the proportion of locally produced food relative to the total food supply available for consumption (including imports and exports), and is typically calculated as production divided by total domestic supply, multiplied by 100 [3]. The SSR is widely used to assess food security, support policy planning, and enable global comparisons, as it reflects food availability and nutritional adequacy. A high SSR indicates that a country produces more than it consumes, while a low SSR indicates reliance on imports [4].

At the regional level, SSR in Southeast Asia shows that most countries produce more rice than they consume during the period from 2025 to 2026. The regional SSR increased slightly from 121.16% in 2025 to 123.55% in 2026, representing a 2.39 percentage point increase (Table 1 and Figure 1).

Table 1. The SSR (%) of the whole region of Southeast Asia.

Region	Year		
	2024	**2025**	**2026***
ASEAN Region	118.85	121.16	123.55

* is noted that 2026 is the projection of SSR.

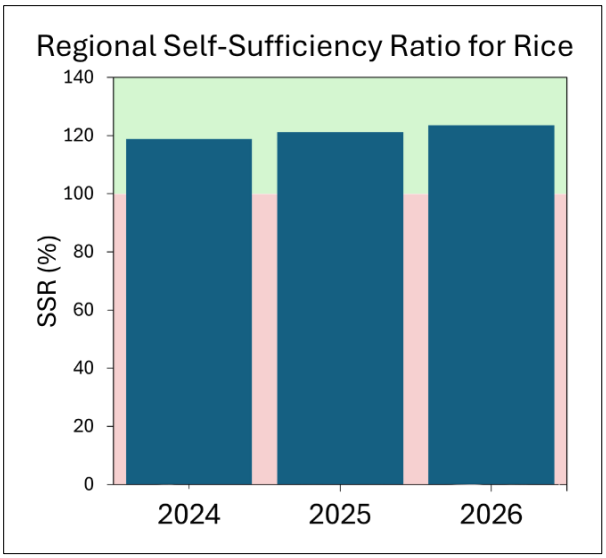


Figure 1. Regional self-sufficiency ratio (SSR) for rice during 2024–2026, indicating a consistently high level of self-sufficiency in the region. The red zone indicates low self-

sufficiency (SSR < 100%), while the green zone indicates moderate to high self-sufficiency approximately 100–120% and above 120%, respectively.

Four countries, including Thailand, Vietnam, Myanmar, and Cambodia, produce significantly more rice than they consume. Thailand remains the most self-sufficient country, with SSR increasing from 197.11% in 2024 to 208.98% in 2025, before slightly declining to 207.88% in 2026. Vietnam shows a strong and steadily increasing surplus, rising from 131.50% in 2024 to 134.03% in 2025 and further to 136.25% in 2026. Myanmar, while still highly self-sufficient, shows a declining trend, decreasing from 155.41% in 2024 to 144.56% in 2025 and further to 123.49% in 2026. Cambodia remains above the self-sufficiency threshold but shows a declining trend, from 119.78% to 110.66% (Table 2), moving closer to a balanced position (Figure 2).

Indonesia and Lao People's Democratic Republic (Lao PDR) are relatively balanced between production and consumption. Indonesia shows significant improvement, increasing from 99.67% in 2024 (near deficit) to 110.25% in 2025 and 126.23% in 2026, shifting into a surplus position. Lao PDR fluctuates around the self-sufficiency level, from 102.66% in 2024 to 98.43% in 2025 and 102.48% in 2026 (Table 2), indicating a near-balanced situation (Figure 2).

Several countries remain below the self-sufficiency level and rely on imports to meet domestic demand, including the Philippines, Malaysia, Brunei Darussalam, and Singapore. The Philippines shows a declining trend and remains consistently below 100%, from 79.26% in 2024 to 73.70% in 2025 and 73.21% in 2026, indicating increasing dependence on imports. Malaysia shows slight improvement but remains highly import-dependent, increasing from 45.44% in 2025 to 46.98% in 2026. Brunei Darussalam remains very low but shows gradual improvement, from 7.55% in 2025 to 9.38% in 2026, reflecting minimal domestic production. Singapore remains fully dependent on imports, with an SSR of 0% (Table 2 and Figure 2) [5].

Table 2. The SSR (%) for rice by country during 2024–2026.

Country	Year		
	2024	**2025**	**2026***
Brunei Darussalam	7.55	8.86	9.38
Cambodia	119.78	115.00	110.66
Indonesia	99.67	110.25	126.23
Lao PDR	102.66	98.43	102.48
Malaysia	45.44	46.54	46.98
Myanmar	155.41	144.56	123.49
Philippines	79.26	73.70	73.21
Singapore	0.00	0.00	0.00
Thailand	197.11	208.98	207.88
Vietnam	131.50	134.03	136.25

* is noted that 2026 is the projection of SSR.

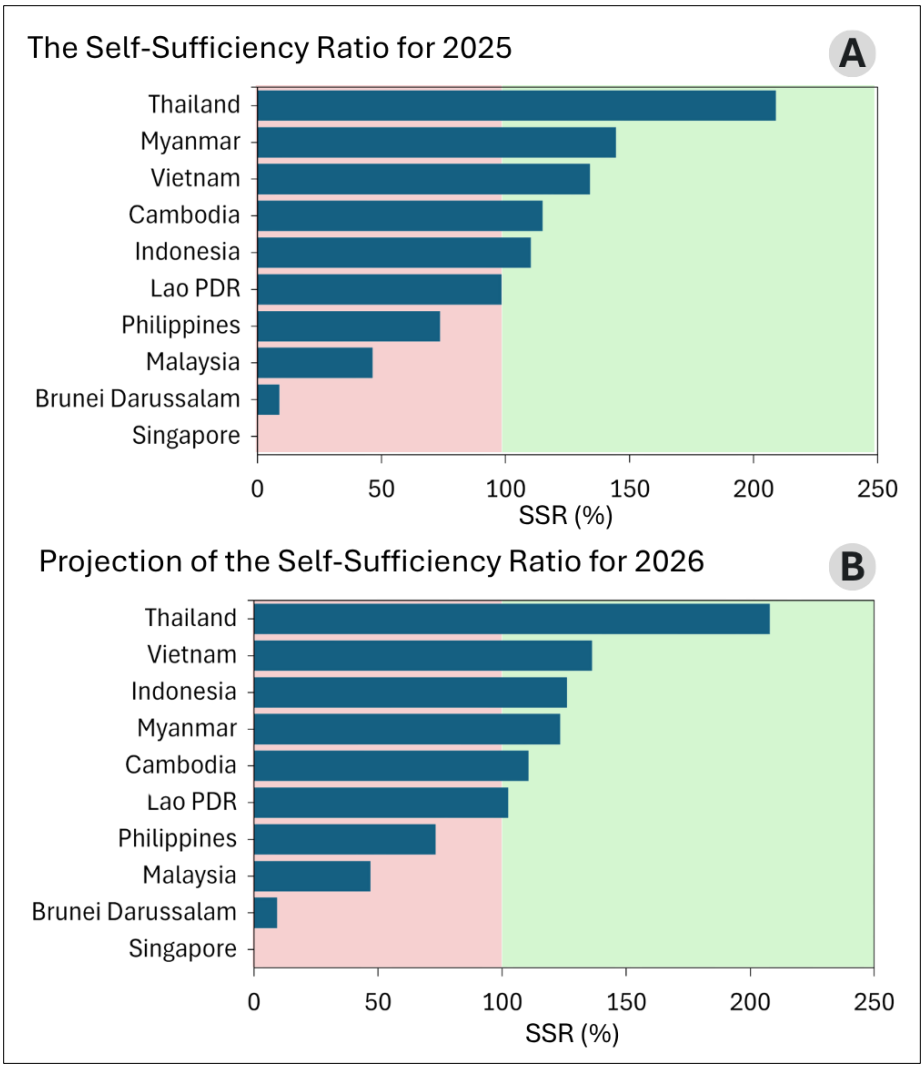


Figure 2. The self-sufficiency ratio for 2025 (**A**) and projection of the self-sufficiency ratio for 2026 (**B**). The red zone indicates low self-sufficiency (SSR < 100%), while the green zone indicates moderate to high self-sufficiency approximately 100–120% and above 120%, respectively.

In conclusion, the ASEAN regional SSR shows a steady increase from 118.85% in 2024 to 121.16% in 2025 and 123.55% in 2026. This indicates that the region is becoming increasingly self-sufficient, driven primarily by surplus countries such as Thailand and Vietnam, as well as improvements in production in Indonesia. Moreover, it also indicates that rice production exceeds domestic consumption in both 2025 and 2026, with a slightly strengthened surplus position in 2026. In other words, the region becomes marginally more self-sufficient, with a greater buffer available for exports or stock accumulation.

However, it is necessary to closely monitor the recent rapid increases in oil and fertilizer prices, driven by the conflict between the United States and Iran. This situation may affect and lead to a decline in rice production and could impact food security in the ASEAN region.

References

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