



ASEAN Food Security Information System



ASEAN Early Warning Information

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ASEAN Rice Situation in 2018

Production

ASEAN paddy production in 2018 (crop year 2017/18) was estimated to be 224.66 million tons, which increased 6.51 million tons or 2.99 percent compare to 2017 (crop year 2016/17) due to the increase in planted area and yield. Most of the producing countries expected an increase in production except Lao PDR (Table 1-4, Figure 1-4).

For **Cambodia**, the estimate production was 10.52 million tons, an increase in production came from the increase in both area and yield.

For **Indonesia**, the estimate production was 83.04 million tons, an increase in production came from the increase in planted area and yield.

For **Lao PDR**, the estimate production was 3.76 million tons, a decrease in production came from the decrease in area.

For **Malaysia**, the estimate production was 2.81 million tons, an increase in production came from the increase in yield.

For **Myanmar**, the estimate production was 27.65 million tons, an increase in production came from the increase in planted area.

For **the Philippines**, the estimate production was 19.42 million tons, an increase in production came from the increase in planted area and yield.

For **Thailand**, the estimate production was 33.49 million tons, an increase in production came from the increase in planted area and yield.

In **Vietnam**, the estimate production was 43.98 million tons, an increase in production came from the increase in yield.

Damaged Area

The damaged area of paddy in ASEAN in 2018 (crop year 2017/18) was reported to be 0.96 million hectares. 78.14 percent or 0.75 million hectares of the damaged area caused by flood. The damage has mostly occurred in Thailand about 0.56 million hectares. The damage was caused by many factors such as the flood, pests, and diseases (Table 5, Figure 5).

Table 1 Paddy production in ASEAN countries, 2017 - 2019

Unit: 1,000 Tons

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	218,152.64	224,664.53	6,511.90	2.99	227,474.39	2,809.86	1.25
Brunei	N/A						
Cambodia	9,952.27	10,518.34	566.07	5.69	10,867.58	349.24	3.32
Indonesia	81,148.62	83,037.15	1,888.53	2.33	86,332.59	3,295.45	3.97
Lao PDR	4,055.38	3,760.47	-294.91	-7.27	4,297.75	537.28	14.29
Malaysia	2,570.51	2,814.31	243.79	9.48	3,058.72	244.42	8.68
Myanmar	27,255.44	27,647.66	392.22	1.44	27,247.11	-400.55	-1.45
Philippines	18,549.55	19,420.38	870.83	4.69	19,209.99	-210.38	-1.08
Singapore	N/A						
Thailand	31,857.19	33,487.03	1,629.84	5.12	32,084.93	-1,402.10	-4.19
Vietnam	42,763.68	43,979.20	1,215.52	2.84	44,375.71	396.50	0.90

Table 2 Paddy planted area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019(2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	51,265.06	52,140.05	874.98	1.71	52,275.73	135.68	0.26
Brunei	N/A						
Cambodia	3,118.16	3,206.52	88.36	2.83	3,336.36	129.84	4.05
Indonesia	15,817.55	16,066.18	248.63	1.57	16,388.22	322.04	2.00
Lao PDR	995.22	982.01	-13.20	-1.33	1,021.19	39.17	3.99
Malaysia	685.55	684.98	-0.57	-0.08	684.42	-0.56	-0.08
Myanmar	7,161.28	7,256.29	95.01	1.33	7,160.42	-95.87	-1.32
Philippines	4,722.46	4,843.92	121.46	2.57	4,800.41	-43.51	-0.90
Singapore	N/A						
Thailand	11,056.32	11,529.75	473.42	4.28	11,348.84	-180.91	-1.57
Vietnam	7,708.53	7,570.40	-138.13	-1.79	7,535.88	-34.52	-0.46

Table 3 Paddy harvested area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	50,663.85	51,178.43	514.58	1.02	51,165.77	-12.66	-0.02
Brunei	N/A						
Cambodia	3,099.83	3,189.49	89.66	2.89	3,251.87	62.38	1.96
Indonesia	15,712.03	15,994.51	282.49	1.80	16,388.22	393.71	2.46
Lao PDR	963.75	888.95	-74.81	-7.76	1,021.19	132.24	14.88
Malaysia	682.28	682.86	0.58	0.09	682.29	-0.56	-0.08
Myanmar	7,063.13	7,168.92	105.79	1.50	7,081.85	-87.06	-1.21
Philippines	4,722.46	4,843.92	121.46	2.57	4,800.41	-43.51	-0.90
Singapore	N/A						
Thailand	10,711.84	10,839.40	127.55	1.19	10,404.07	-435.33	-4.02
Vietnam	7,708.53	7,570.40	-138.13	-1.79	7,535.88	-34.52	-0.46

Note: Vietnam reported only planted area.

Table 4 Paddy yield in ASEAN countries, 2017 - 2019

Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	4.31	4.39	0.08	1.86	4.45	0.06	1.37
Brunei	N/A						
Cambodia	3.21	3.30	0.09	2.80	3.34	0.04	1.21
Indonesia	5.16	5.19	0.03	0.58	5.27	0.08	1.54
Lao PDR	4.21	4.23	0.02	0.48	4.21	-0.02	-0.47
Malaysia	3.77	4.12	0.35	9.28	4.48	0.36	8.74
Myanmar	3.86	3.86	0.00	0.00	3.85	-0.01	-0.26
Philippines	3.93	4.01	0.08	2.04	4.00	-0.01	-0.25
Singapore	N/A						
Thailand	2.97	3.09	0.12	4.04	3.08	-0.01	-0.32
Vietnam	5.55	5.81	0.26	4.68	5.89	0.08	1.38

Note: Yield related to harvested area except Vietnam which related to planted area.

Table 5 Paddy damaged area in ASEAN by cause of damage, 2018

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Other	Unspecified	Total
ASEAN	751,451	52,915	74,884	47,925	32,317	2,123	961,616
Brunei	N/A						
Cambodia	2,810	13,306	922				17,038
Indonesia	37,477	31,963	1,114	1,114			71,666
Lao PDR	92,679		234		152		93,065
Malaysia						2,123	2,123
Myanmar	55,196		12		32,116		87,373
Philippines	N/A						
Singapore	N/A						
Thailand	563,290	7,646	72,603	46,812			690,351
Vietnam	N/A						

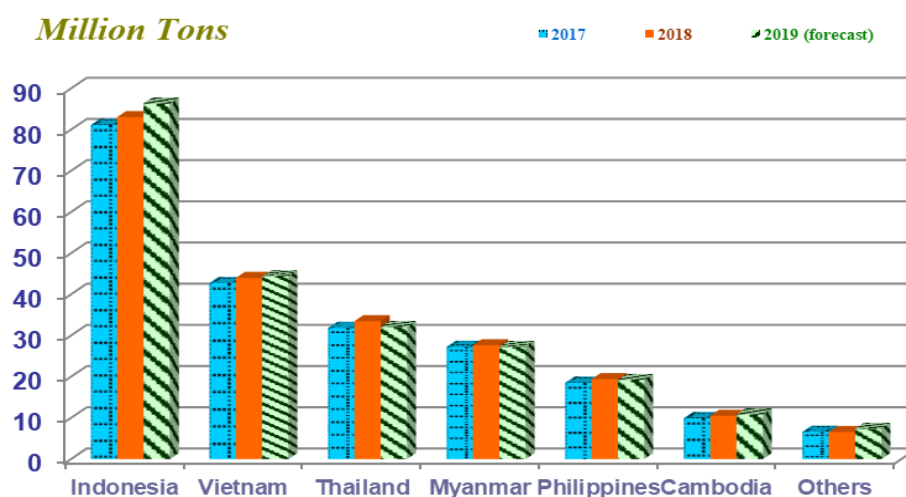


Figure 1 Paddy production of selected countries in ASEAN, 2017 - 2019

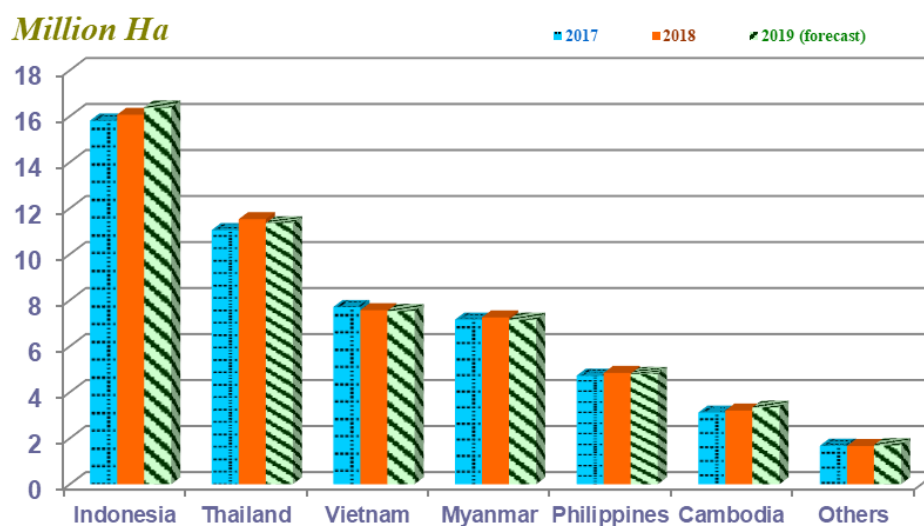


Figure 2 Paddy planted area of selected countries in ASEAN, 2017 - 2019

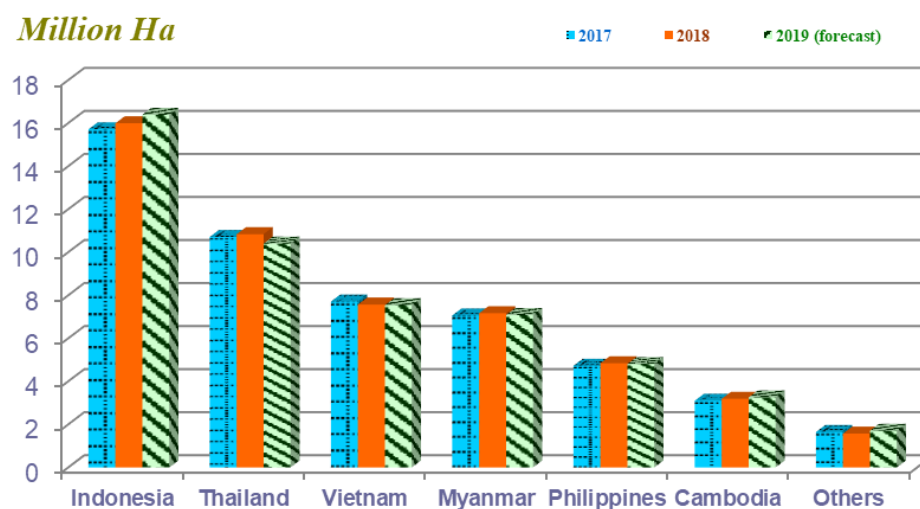


Figure 3 Paddy harvested area of selected countries in ASEAN, 2017 - 2019

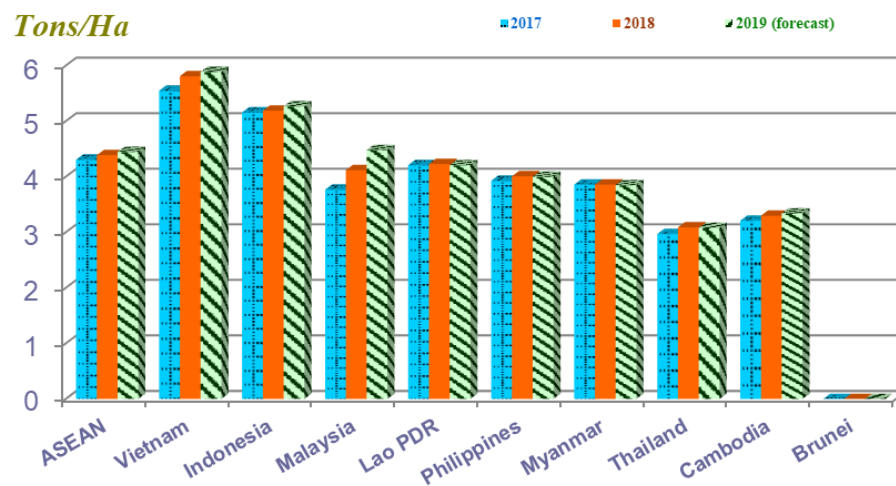


Figure 4 Paddy yield of countries in ASEAN, 2017 - 2019

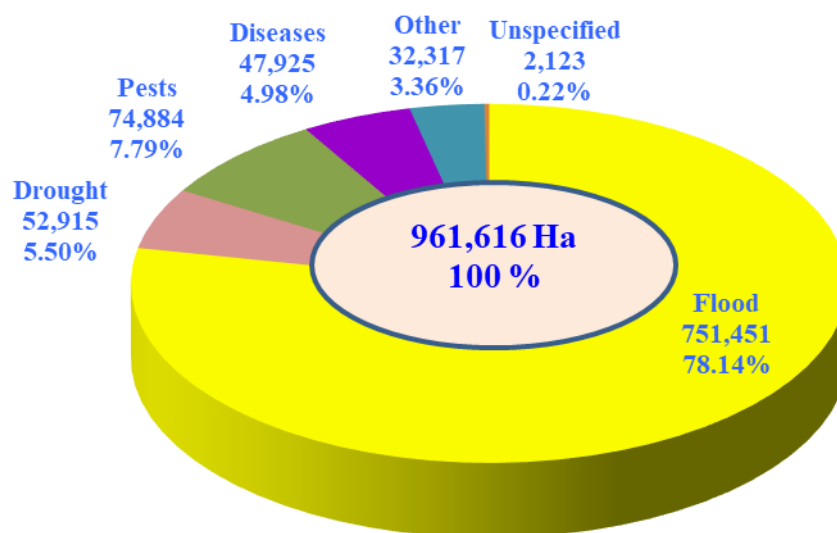


Figure 5 Paddy damaged area in ASEAN by cause of damage, 2018 (crop year 2017/18)

ASEAN Maize Situation in 2018

Production

The maize production in ASEAN in 2018 (crop year 2017/18) was reported to be 52.15 million tons, increasing from 50.17 million tons in 2017 (crop year 2016/17) or 3.96 percent (1.99 million tons). The increase in production occurred in most of the member countries except the Philippines and Vietnam (Table 6-9, Figure 6-9).

For **Cambodia**, the production in 2018 was 1.23 million tons. An increase compare to previous year came from the increase in planted area and yield.

For **Indonesia**, the production in 2018 was 30.04 million tons. An increase compare to previous year came from the increase in planted area and yield.

For **Lao PDR**, the production in 2018 was 1.26 million tons. An increase compare to previous year came from the increase in planted area and yield.

For **Myanmar**, the production in 2018 was 1.91 million tons. An increase compare to previous year came from the increase in planted area and yield.

The **Philippines**, the production in 2018 was 7.98 million tons. A decrease compare to previous year came from the decrease in planted area while yield was increase.

For **Thailand**, For Thailand, the production in 2018 was 4.83 million tons. An increase compare to previous year came from the increase in planted area and yield.

For **Vietnam**, For Vietnam, the production in 2018 was 4.91 million tons. A decrease compare to previous year came from the decrease in planted area while yield was increase.

Damaged Area

The damaged area of maize in ASEAN in 2018 (crop year 2017/18) was reported to be 28,608 hectares. The total damaged area of 15,872 hectares caused by the drought which mostly occurred in Thailand. Total flood area of 4,268 hectares was found in Myanmar (3,843 hectares) and Cambodia (425 hectares), respectively (Table 10, Figure 10).

Table 6 Maize production in ASEAN countries, 2017 - 2019

Unit: 1,000 Tons

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	50,165.85	52,154.61	1,988.75	3.96	52,449.40	294.79	0.57
Brunei	N/A						
Cambodia	663.09	1,231.47	568.38	85.72	1,218.36	-13.11	-1.06
Indonesia	28,924.01	30,043.22	1,119.21	3.87	30,500.10	456.88	1.52
Lao PDR	955.70	1,255.28	299.58	31.35	1,240.00	-15.28	-1.22
Malaysia	N/A						
Myanmar	1,830.96	1,909.64	78.68	4.30	1,912.15	2.51	0.13
Philippines	8,086.98	7,979.67	-107.32	-1.33	7,625.65	-354.02	-4.44
Singapore	N/A						
Thailand	4,595.35	4,829.44	234.09	5.09	5,209.25	379.81	7.86
Vietnam	5,109.77	4,905.90	-203.87	-3.99	4,743.89	-162.01	-3.30

Table 7 Maize planted area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	11,146.92	11,385.93	239.01	2.14	11,203.80	-182.13	-1.60
Brunei	N/A						
Cambodia	144.52	227.34	82.82	57.30	230.00	2.66	1.17
Indonesia	5,544.22	5,742.21	197.99	3.57	5,706.29	-35.92	-0.63
Lao PDR	176.13	225.75	49.62	28.17	205.00	-20.75	-9.19
Malaysia	N/A						
Myanmar	490.17	504.47	14.30	2.92	498.96	-5.50	-1.09
Philippines	2,681.12	2,570.04	-111.08	-4.14	2,470.51	-99.53	-3.87
Singapore	N/A						
Thailand	1,011.48	1,077.12	65.64	6.49	1,106.45	29.33	2.72
Vietnam	1,099.27	1,039.00	-60.27	-5.48	986.59	-52.41	-5.04

Table 8 Maize harvested area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	11,126.94	11,357.32	230.38	2.07	11,182.36	-174.96	-1.54
Brunei	N/A						
Cambodia	141.44	226.88	85.44	60.41	224.22	-2.66	-1.17
Indonesia	5,533.17	5,737.70	204.53	3.70	5,706.29	-31.42	-0.55
Lao PDR	176.13	225.75	49.62	28.17	205.00	-20.75	-9.19
Malaysia	N/A						
Myanmar	488.02	500.62	12.61	2.58	497.75	-2.87	-0.57
Philippines	2,681.12	2,570.04	-111.08	-4.14	2,470.51	-99.53	-3.87
Singapore	N/A						
Thailand	1,007.79	1,057.32	49.53	4.91	1,092.00	34.67	3.28
Vietnam	1,099.27	1,039.00	-60.27	-5.48	986.59	-52.41	-5.04

Table 9 Maize Yield in ASEAN countries, 2017 - 2019

Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	change2018 over 2017		2019 (2018/19)	change2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	4.51	4.59	0.08	1.77	4.69	0.10	2.18
Brunei	N/A						
Cambodia	4.69	5.43	0.74	15.78	5.43	0.00	0.00
Indonesia	5.23	5.24	0.01	0.19	5.34	0.10	1.91
Lao PDR	5.43	5.56	0.13	2.39	6.05	0.49	8.81
Malaysia	N/A						
Myanmar	3.75	3.81	0.06	1.60	3.84	0.03	0.79
Philippines	3.02	3.10	0.08	2.65	3.09	-0.01	-0.32
Singapore	N/A						
Thailand	4.56	4.57	0.01	0.22	4.77	0.20	4.38
Vietnam	4.65	4.72	0.07	1.51	4.81	0.09	1.91

Table 10 Maize damaged area in ASEAN by cause of damage, 2018

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Unspecified	Others	Total
ASEAN	4,268	15,872	2,178	1,782	4,506	1	28,608
Brunei	N/A						
Cambodia	425	33					458
Indonesia					4,506		4,506
Lao PDR							0
Malaysia	N/A						
Myanmar	3,843					1	3,844
Philippines							0
Singapore	N/A						
Thailand		15,839	2,178	1,782			19,799
Vietnam	N/A						

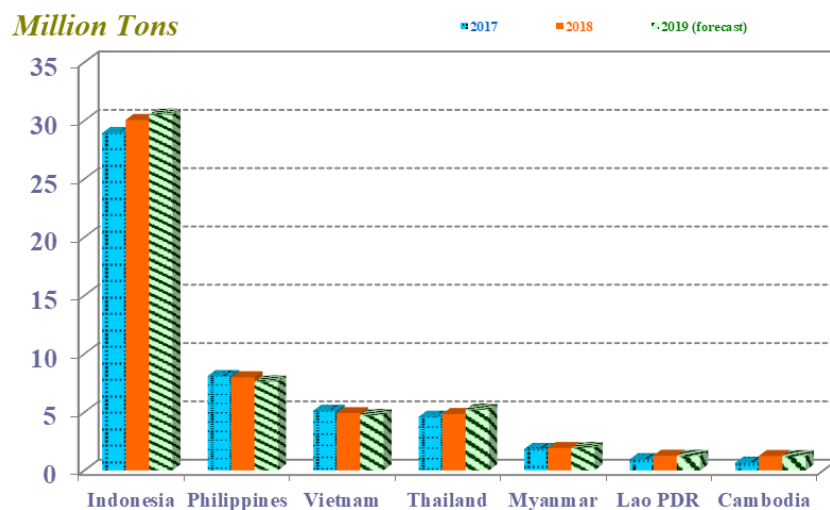


Figure 6 Maize production of selected countries in ASEAN, 2017 - 2019

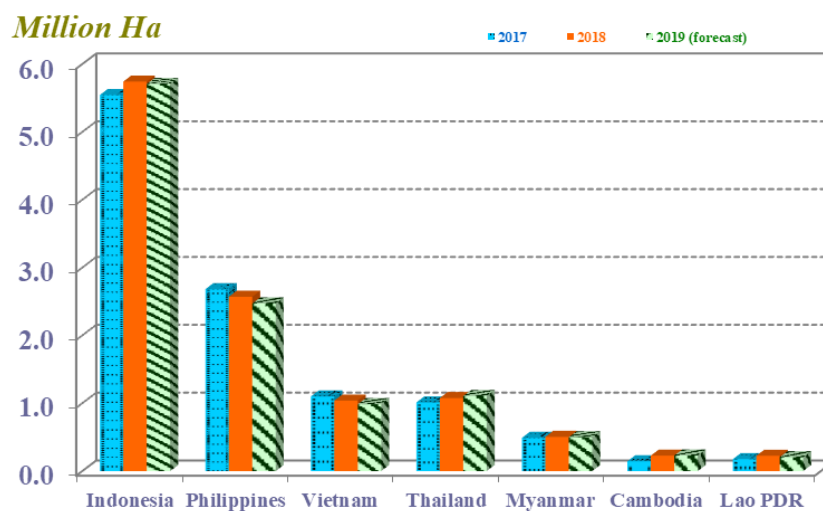


Figure 7 Maize planted area of selected countries in ASEAN, 2017 - 2019

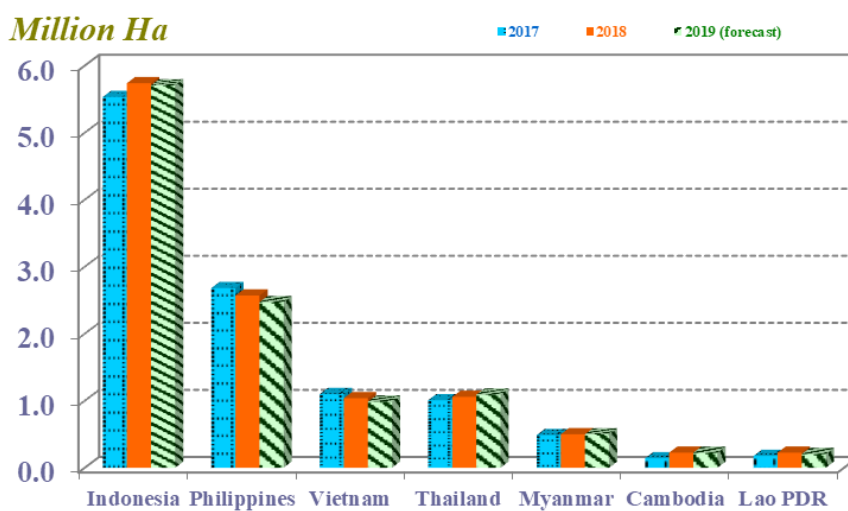


Figure 8 Maize harvested area of selected countries in ASEAN, 2017 - 2019

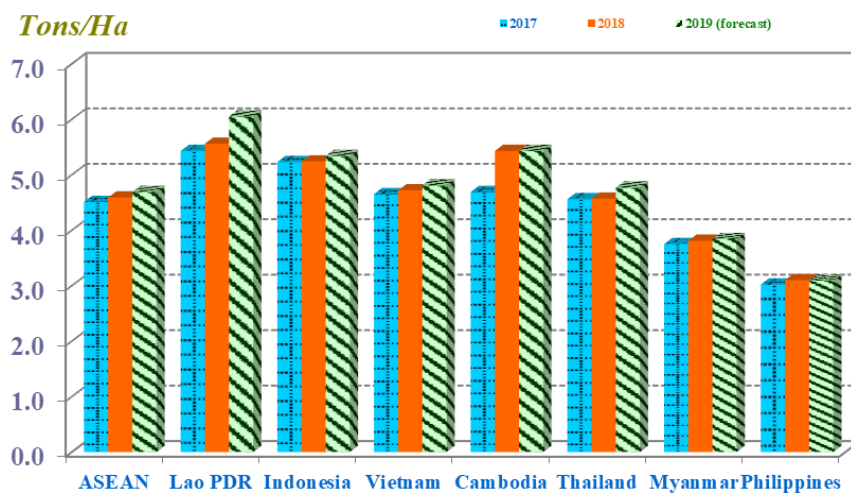


Figure 9 Maize yield of countries in ASEAN, 2017 - 2019

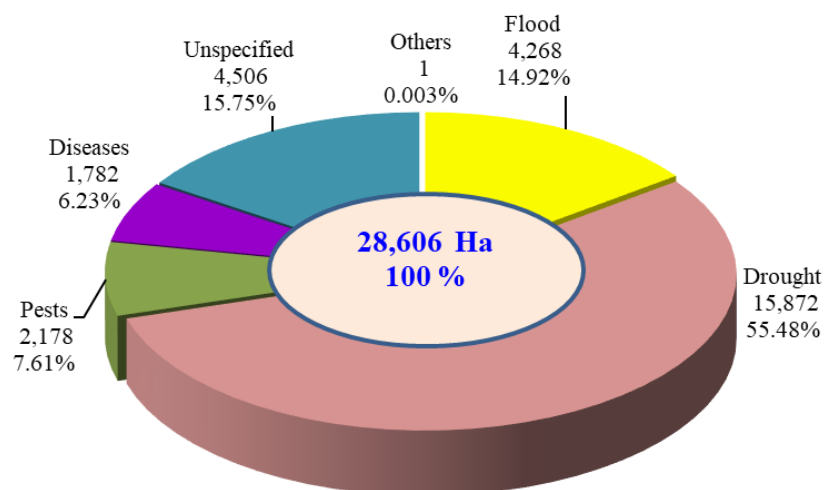


Figure 10 Maize damaged area in ASEAN by cause of damage, 2018 (crop year 2017/18)

ASEAN Sugar Situation in 2018

Production

The sugarcane production in ASEAN in 2018 (2017/18 crop year) was reported to be 222.17 million tons, an increase of 41.46 million tons from 180.70 million tons in 2017 (approximately 23 percent) came from the increase in production in Cambodia, Indonesia, Lao PDR and Thailand. Which offset the increase in production of the rest (Table 11-14, Figure 11-14).

For **Cambodia**, the increase in sugarcane production from 0.63 million tons in 2017 to 0.69 million tons in 2018 caused by the increase of planted area and the yield.

Indonesia reported an increase of sugarcane production from 28.81 million tons in 2017 to 32.24 million tons in 2018. The increase was due to expand in both planted area and yield due to favorable weather.

For **Lao PDR**, the sugarcane production of 2018 was increase about 16 percent (0.29 million tons increase) compare to 2017. The increase was due to a increasing in planted area due to favorable weather.

In **Myanmar**, reported sugarcane production decrease from 10.44 million tons in 2017 to 10.37 million tons in 2018. The decreases of production caused by the decline in planted area due to farmers respond to price decrease and yield decrease by effect from flood and framers use less fertilizer.

For **the Philippines**, the sugarcane production reported to be decrease from 27.60 million tons in 2017 to 23.88 million tons in 2018. The decrease in its production was because farmer applied less fertilizer, and leaded to lower yield.

Thailand, the sugarcane production was increase from 93.09 million tons in 2017 to 135.07 million tons in 2018. The increase was due to the expanded of planted area by government policy of shift from another crop to sugarcane and good yield from farmers taking care their crop better.

In **Vietnam**, the production was reported to be decrease from 18.36 million tons in 2017 to 17.84 million tons in 2018. The decrease caused by the decrease in planted area.

Damaged Area

The sugarcane damaged area in ASEAN in 2018 was reported to be 71,717 hectares. 71,608 hectares caused by flood and drought which occurred mainly in Thailand (Table 15, Figure 15).

Table 11 Sugarcane production in ASEAN countries, 2017 - 2019

Unit: 1,000 Tons

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	180,701.67	222,165.81	41,464.14	22.95	219,886.52	-2,279.29	-1.03
Brunei	N/A						
Cambodia	629.32	694.10	64.78	10.29	688.03	-6.07	-0.87
Indonesia	28,806.39	32,237.09	3,430.71	11.91	32,237.09	0.00	0.00
Lao PDR	1,780.76	2,069.23	288.47	16.20	2,430.00	360.78	17.44
Malaysia	N/A						
Myanmar	10,437.06	10,370.04	-67.02	-0.64	11,057.93	687.89	6.63
Philippines	27,599.78	23,881.56	-3,718.23	-13.47	25,166.50	1,284.95	5.38
Singapore	N/A						
Thailand	93,088.46	135,073.80	41,985.34	45.10	131,002.17	-4,071.63	-3.01
Vietnam	18,359.90	17,840.00	-519.90	-2.83	17,304.80	-535.20	-3.00

Table 12 Sugarcane planted area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	2,795.35	3,219.75	424.41	15.18	3,285.88	66.13	2.05
Brunei	N/A						
Cambodia	19.72	20.20	0.49	2.48	20.53	0.32	1.59
Indonesia	425.62	447.07	21.45	5.04	447.07	0.00	0.00
Lao PDR	29.53	37.08	7.56	25.59	40.00	2.92	7.87
Malaysia	N/A						
Myanmar	164.09	163.36	-0.72	-0.44	180.07	16.70	10.22
Philippines	416.34	421.82	5.48	1.32	429.39	7.57	1.79
Singapore	N/A						
Thailand	1,459.66	1,861.82	402.16	27.55	1,908.49	46.67	2.51
Vietnam	280.40	268.40	-12.00	-4.28	260.35	-8.05	-3.00

Table 13 Sugarcane harvested area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	2,738.19	3,148.03	409.85	14.97	3,212.43	64.39	2.05
Brunei	N/A						
Cambodia	19.13	20.20	1.07	5.59	20.53	0.32	1.59
Indonesia	425.62	447.07	21.45	5.04	447.07	0.00	0.00
Lao PDR	29.53	37.08	7.56	25.59	40.00	2.92	7.87
Malaysia	N/A						
Myanmar	163.65	163.25	-0.40	-0.24	180.01	16.76	10.26
Philippines	416.34	421.82	5.48	1.32	429.39	7.57	1.79
Singapore	N/A						
Thailand	1,403.52	1,790.21	386.69	27.55	1,835.09	44.88	2.51
Vietnam	280.40	268.40	-12.00	-4.28	260.35	-8.05	-3.00

Table 14 Sugarcane yield in ASEAN countries, 2017 - 2019

Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	65.99	70.57	4.58	6.94	68.45	-2.12	-3.00
Brunei	N/A						
Cambodia	32.89	34.35	1.46	4.44	33.52	-0.83	-2.42
Indonesia	67.68	72.11	4.43	6.55	72.11	0.00	0.00
Lao PDR	60.31	55.80	-4.51	-7.48	60.75	4.95	8.87
Malaysia	N/A						
Myanmar	63.78	63.52	-0.26	-0.41	61.43	-2.09	-3.29
Philippines	66.29	56.62	-9.67	-14.59	58.61	1.99	3.51
Singapore	N/A						
Thailand	66.33	75.45	9.12	13.75	71.39	-4.06	-5.38
Vietnam	65.48	66.47	0.99	1.51	66.47	0.00	0.00

Table 15 Sugarcane damaged area in ASEAN by cause of damage, 2018

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Others	Unspecified	Total
ASEAN	40,109	31,608	-	-	-	-	71,717
Brunei	N/A						
Cambodia	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-
Lao PDR.	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	109	-	-	-	-	-	109
Philippines	-	-	-	-	-	-	-
Singapore	N/A						
Thailand	40,000	31,608	-	-	-	-	71,608
Vietnam	N/A						

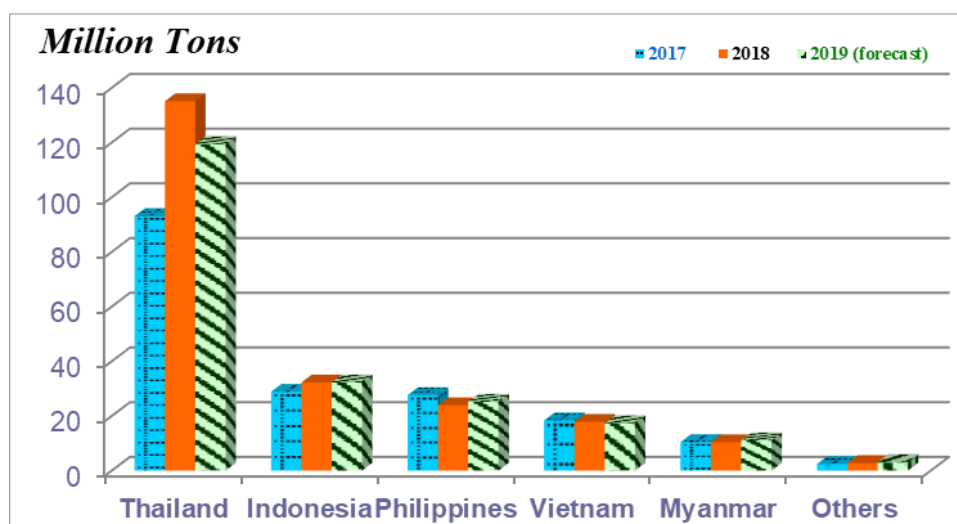


Figure 11 Sugarcane production of selected countries in ASEAN, 2017 – 2019

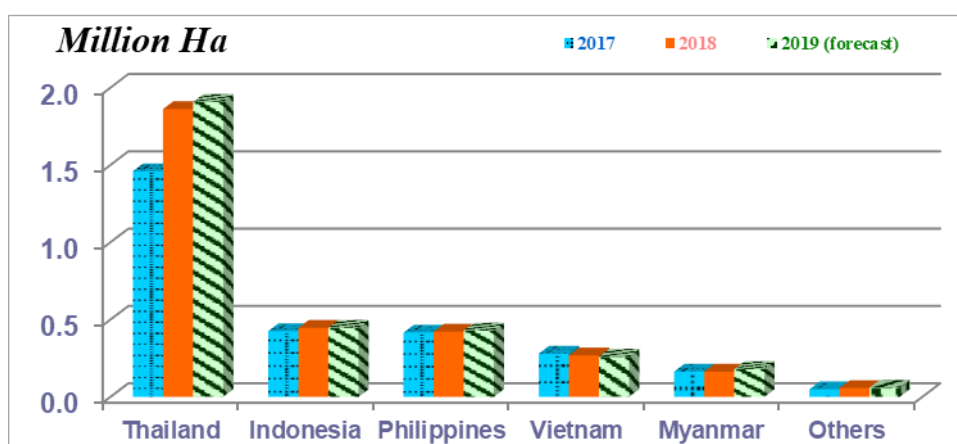


Figure 12 Sugarcane planted area of selected countries in ASEAN, 2017 – 2019

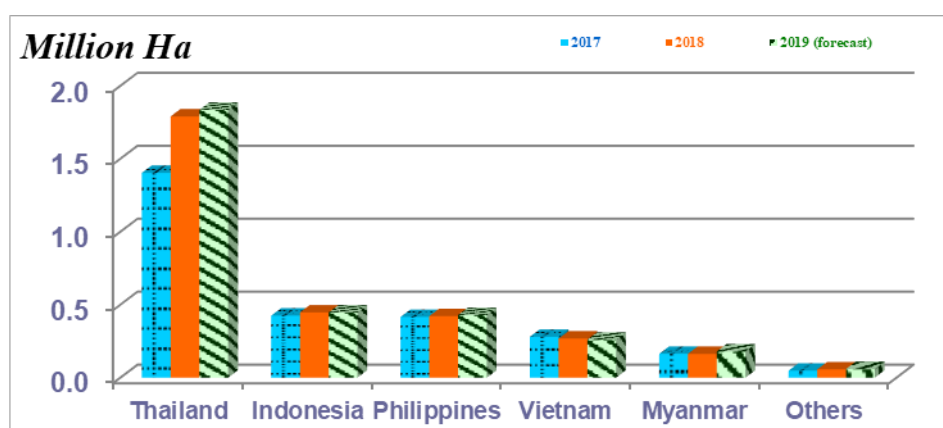


Figure 13 Sugarcane harvested area of selected countries in ASEAN, 2017 – 2019

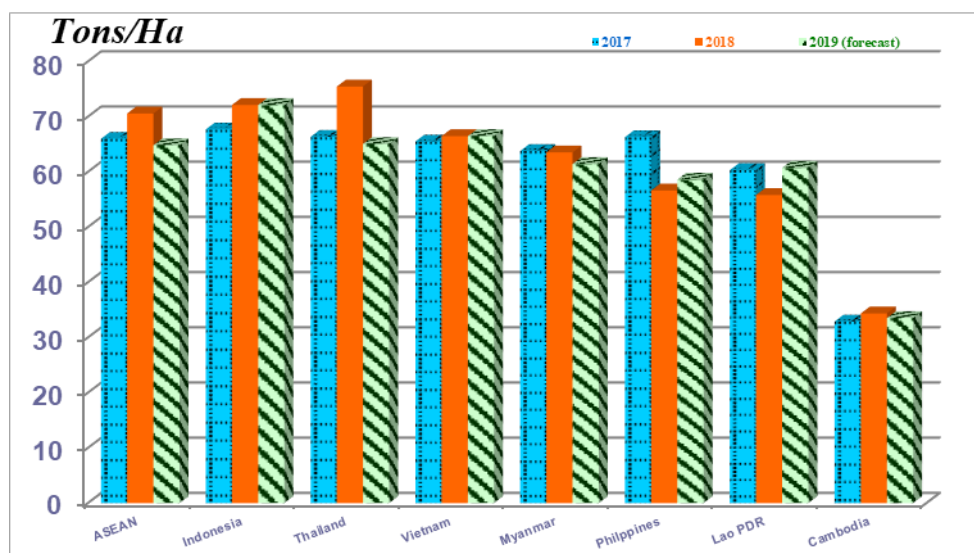


Figure 14 Sugarcane yield of selected countries in ASEAN, 2017 - 2019

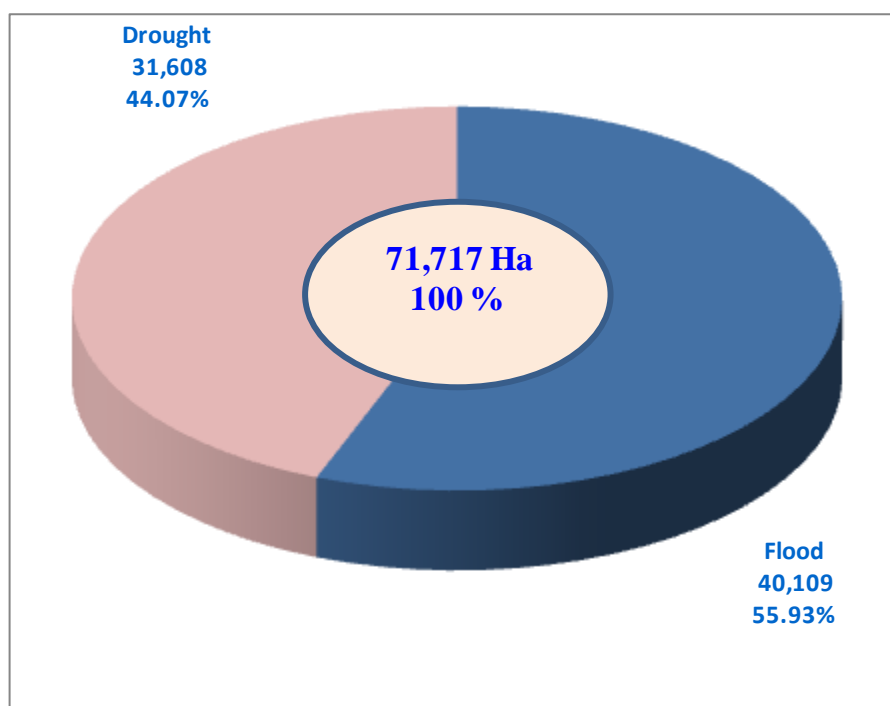


Figure 15 Sugarcane damaged area in ASEAN by cause of damage, 2018 (2017/18)

ASEAN Soybean Situation 2018

Production

The soybean production in ASEAN in 2018 (crop year 2017/18) reported to be 1.33 million tons, which increased from 0.91 million tons in 2017 (crop year 2016/17). The increase in production caused by the increase of production mainly in Indonesia (Table 11-14, Figure 11-14).

Indonesia, the largest producing country, reported an increase in its production 0.44 million tons or about 82 percent from the previous year. The increase came from the expansion in planted area.

Lao PDR, the soybean production reported to be increase from 0.01 million tons in 2017 to 0.02 million tons in 2018. The increase in production was due to the increase in planted area.

Myanmar, the soybean production reported to be decrease from 0.215 million tons in 2017 to 0.209 million tons in 2018. The decrease in production was due to the decrease in planted area and yield.

The **Philippines**, the soybean production reported to be increase due to the increase in planted area.

Thailand, the soybean production reported to be increase from 0.0396 million tons in 2017 to 0.0404 million tons in 2018. The increase in production was due to the increase in both planted area and yield due to favorable weather.

Vietnam, the soybean production reported to be decrease from 0.10 million tons in 2017 to 0.08 million tons in 2018. The decrease in production was due to the decrease in planted area.

Damaged Area

The damaged area of soybean in ASEAN in 2018 (crop year 2017/18) was reported to be 686 hectares. About 42 percent or 292 hectares of the damaged area caused by flood and about 39 percent or 265 hectares of the damaged area caused by drought. Most of the damage was occur in Indonesia (Table 20, Figure 20).

Table 16 Soybean production in ASEAN countries, 2017 - 2019

Unit: 1,000 Tons

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	908.41	1,333.24	424.83	46.77	1,401.30	68.06	5.10
Brunei	N/A						
Cambodia	N/A						
Indonesia	538.73	982.60	443.87	82.39	1,060.17	77.57	7.89
Lao PDR	12.83	19.36	6.53	50.86	18.25	-1.11	-5.71
Malaysia	N/A						
Myanmar	214.83	209.48	-5.36	-2.49	211.62	2.14	1.02
Philippines	0.59	0.64	0.05	9.21	0.61	-0.04	-5.75
Singapore	N/A						
Thailand	39.58	40.37	0.79	2.00	38.05	-2.32	-5.75
Vietnam	101.86	80.80	-21.06	-20.67	72.61	-8.19	-10.13

Table 17 Soybean planted area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	598.53	909.51	310.98	51.96	930.12	20.61	2.27
Brunei	N/A						
Cambodia	N/A						
Indonesia	357.27	680.87	323.60	90.58	706.42	25.55	3.75
Lao PDR	6.84	12.21	5.37	78.51	11.70	-0.51	-4.18
Malaysia	N/A						
Myanmar	143.18	139.80	-3.38	-2.36	142.48	2.68	1.91
Philippines	0.51	0.54	0.03	6.85	0.54	0.00	0.00
Singapore	N/A						
Thailand	22.74	22.98	0.25	1.08	21.16	-1.82	-7.93
Vietnam	67.99	53.10	-14.89	-21.90	47.82	-5.28	-9.95

Table 18 Soybean harvested area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	596.76	908.82	312.06	52.29	905.38	-3.44	-0.38
Brunei	N/A						
Cambodia	N/A						
Indonesia	355.80	680.37	324.57	91.22	681.98	1.60	0.24
Lao PDR	6.84	12.21	5.37	78.51	11.70	-0.51	-4.18
Malaysia	N/A						
Myanmar	143.01	139.74	-3.27	-2.29	142.31	2.57	1.84
Philippines	0.51	0.54	0.03	6.85	0.49	-0.05	-9.95
Singapore	N/A						
Thailand	22.61	22.86	0.24	1.08	21.08	-1.77	-7.75
Vietnam	67.99	53.10	-14.89	-21.90	47.82	-5.28	-9.95

Note: Vietnam reported only planted area.

Table 19 Soybean yield in ASEAN countries, 2017 - 2019

Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	1.52	1.47	-0.06	-3.63	1.55	0.08	5.50
Brunei	N/A						
Cambodia	N/A						
Indonesia	1.51	1.44	-0.07	-4.62	1.55	0.11	7.64
Lao PDR	1.88	1.59	-0.29	-15.43	1.56	-0.03	-1.90
Malaysia	N/A						
Myanmar	1.50	1.50	-0.003	-0.20	1.49	-0.01	-0.87
Philippines	1.16	1.18	0.03	2.21	1.24	0.06	4.67
Singapore	N/A						
Thailand	1.75	1.77	0.02	0.92	1.80	0.04	2.17
Vietnam	1.50	1.52	0.02	1.57	1.52	0.00	-0.21

Table 20 Soybean damaged area in ASEAN by cause of damage, 2018

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Others	Unspecified	Total
ASEAN	292	265	0	0	0	129	686
Brunei	N/A						
Cambodia	N/A						
Indonesia	231	265					496
Lao PDR							0
Malaysia	N/A						
Myanmar	61						61
Philippines							0
Singapore	N/A						
Thailand						129	129
Vietnam	N/A						

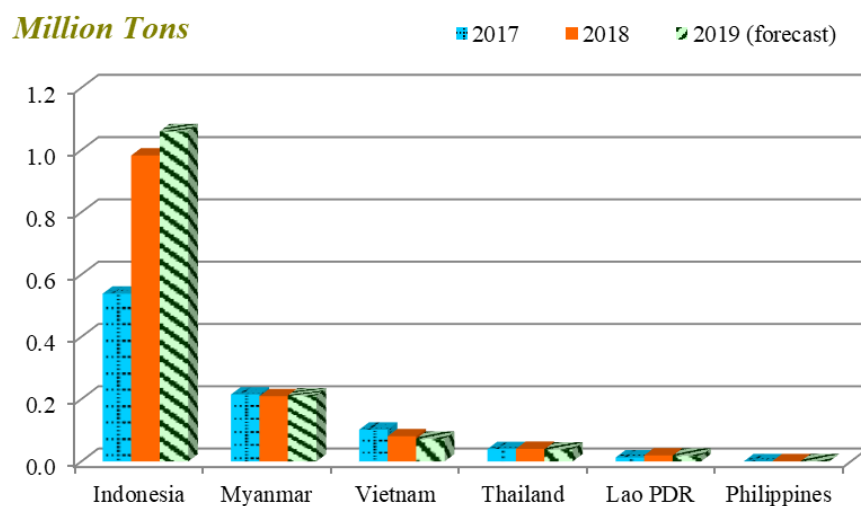


Figure 16 Soybean production of selected countries in ASEAN, 2017 - 2019

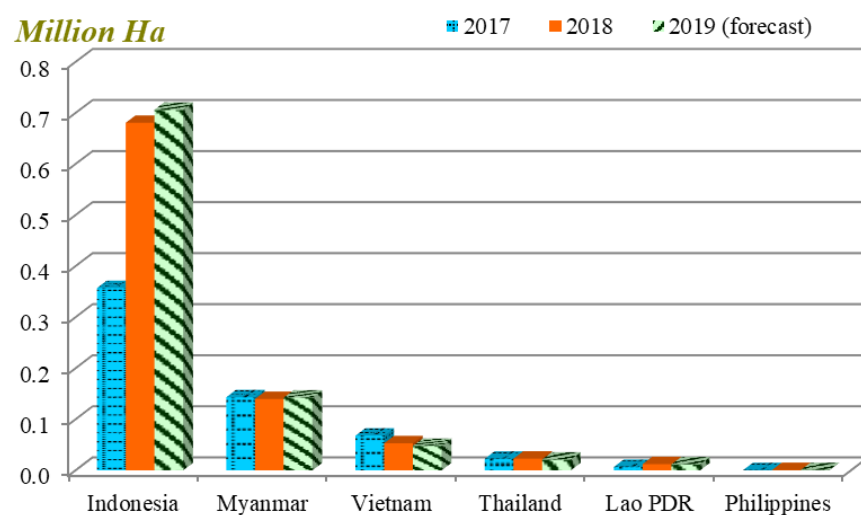


Figure 17 Soybean planted area of selected countries in ASEAN, 2017 - 2019

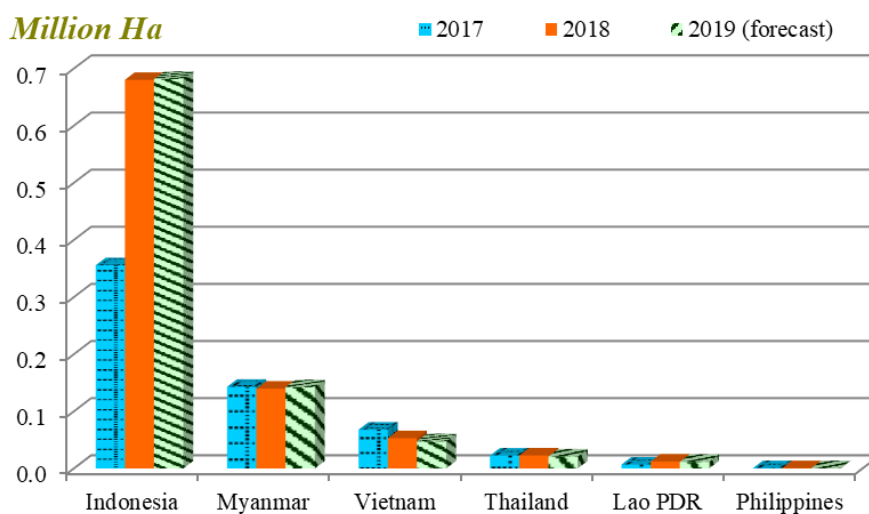


Figure 18 Soybean harvested area of selected countries in ASEAN, 2017 - 2019

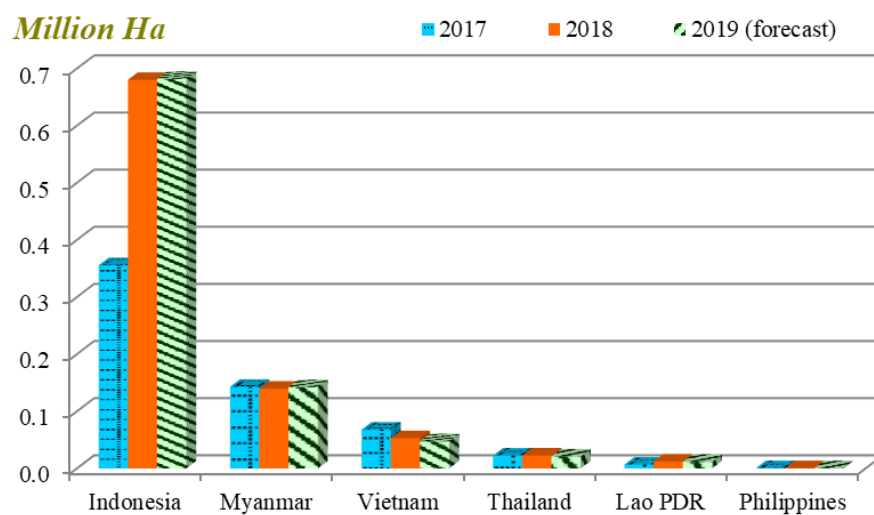


Figure 19 Soybean yield of countries in ASEAN, 2017 - 2019

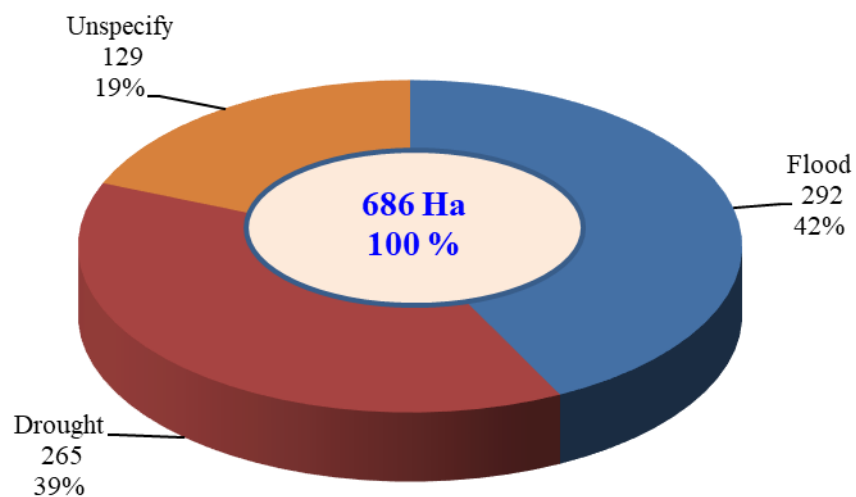


Figure 20 Soybean damaged area in ASEAN by cause of damage, 2018 (crop year 2017/18)

ASEAN Cassava Situation in 2018

Production

The estimated cassava production (root fresh) in ASEAN in 2018 (crop year 2017/18) decreased almost 3 percent or 2.19 million tons compare to previous year (from 78.67 million tons in 2017 to 76.48 million tons in 2018). The decrease in production found in 5 countries, Cambodia, Myanmar, the Philippines Thailand and Vietnam. While the other producing country reported the production increase in 2018 (Table 21-24, Figure 21-24).

For the producing countries reported a decrease in production, **Cambodia** reported a decrease of about 8 percent or around 1 million tons (from 13.32 million tons in 2017 to 12.22 million tons in 2018). The cause of production decrease was due to the decrease in yield.

For **Myanmar**, the production reported to be decreased about 6 percent or 0.03 million tons (from 0.43 million tons in 2017 to 0.40 million tons in 2018). The decrease in production caused by the decline in planted area due to farmers respond to price decrease and unfavorable weather and yield decrease by effect from flood and farmer use less fertilizer.

In the **Philippines**, the decrease in production of 1.38 percent or 0.04 million tons (from 2.79 million tons in 2017 to 2.75 million tons in 2018). The decrease in its production cause by the decline in planted area and yield was decrease by unfavorable weather.

For **Thailand**, the production reported to be decreased about 4 percent or 1.13 million tons (from 30.50 million tons in 2017 to 29.37 million tons in 2018). The decrease in production was due to the decline in planted area from farmers respond to price decrease while the yield was increase by favorable weather.

In **Vietnam**, the decrease in production of 3.19 percent or 0.33 million tons (from 10.27 million tons in 2017 to 9.94 million tons in 2018) came from the decrease in planted area by unfavorable weather.

For the producing countries reported an increase in production, **Indonesia**, reported the increase of about 2 percent or 0.29 million tons (from 19.05 million tons in 2017 to 19.34 million tons in 2018). The increase in production came from the expansion of planted area by favorable weather while the yield is decrease due to farmers give less intensive assistance.

Lao PDR reported a increase in production of 5.84 percent or 0.13 million tons (from 2.28 million tons in 2017 to 2.41 million tons in 2018). The increases due to the increase in planted area due to favorable weather while a yield was decrease due to farmer use fewer fertilizers.

In **Malaysia**, the increase in production of 10 percent or 0.004 million tons, compare 2018 production to previous year, the reason came from the increase in both area and yield.

Damaged Area

The cassava damaged area in 2018 in the ASEAN was reported to be 55,043 hectares. Most of the damaged area caused by small flood or the exceed of rainfall in the cassava field about 86.31 percent (47,506 hectares) that occurred in Thailand (Table 25, Figure 25).

Table 21 Cassava production in ASEAN countries, 2017 - 2019

Unit: 1,000 Tons

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	78,673.56	76,482.14	-2,191.42	-2.79	82,634.39	6,152.24	8.04
Brunei	N/A						
Cambodia	13,317.26	12,221.78	-1,095.48	-8.23	13,817.26	1,595.48	13.05
Indonesia	19,053.75	19,341.23	287.49	1.51	22,980.22	3,638.99	18.81
Lao PDR	2,277.05	2,410.00	132.95	5.84	1,641.50	-768.50	-31.89
Malaysia	44.23	48.65	4.42	10.00	53.52	4.87	10.00
Myanmar	426.26	398.75	-27.52	-6.45	426.35	27.60	6.92
Philippines	2,792.02	2,753.55	-38.47	-1.38	2,723.03	-30.52	-1.11
Singapore	N/A						
Thailand	30,495.19	29,368.19	-1,127.01	-3.70	31,549.51	2,181.32	7.43
Vietnam	10,267.80	9,940.00	-327.80	-3.19	9,443.00	-497.00	-5.00

Table 22 Cassava planted area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	3,692.30	3,685.33	-6.98	-0.19	3,805.03	119.70	3.25
Brunei	N/A						
Cambodia	613.91	651.53	37.62	6.13	651.53	0.00	0.00
Indonesia	773.48	793.04	19.56	2.53	894.87	101.83	12.84
Lao PDR	70.93	76.00	5.07	7.15	49.00	-27.00	-35.53
Malaysia	3.21	3.34	0.13	4.00	3.47	0.13	4.00
Myanmar	36.69	34.71	-1.97	-5.38	33.37	-1.34	-3.85
Philippines	234.64	231.62	-3.02	-1.29	227.64	-3.97	-1.72
Singapore	N/A						
Thailand	1,426.94	1,379.89	-47.06	-3.30	1,445.39	65.51	4.75
Vietnam	532.50	515.20	-17.30	-3.25	499.74	-15.46	-3.00

Table 23 Cassava harvested area in ASEAN countries, 2017 - 2019

Unit: 1,000 Hectares

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	3,657.40	3,630.28	-27.12	-0.74	3,748.12	117.84	3.25
Brunei	N/A						
Cambodia	612.86	645.22	32.36	5.28	645.22	0.00	0.00
Indonesia	772.98	792.95	19.98	2.58	894.87	101.92	12.85
Lao PDR	70.93	75.61	4.68	6.60	49.00	-26.61	-35.19
Malaysia	2.57	2.60	0.04	1.40	2.64	0.04	1.40
Myanmar	36.61	34.70	-1.91	-5.21	33.37	-1.33	-3.83
Philippines	234.64	231.62	-3.02	-1.29	227.64	-3.97	-1.72
Singapore	N/A						
Thailand	1,394.32	1,332.38	-61.94	-4.44	1,395.63	63.25	4.75
Vietnam	532.50	515.20	-17.30	-3.25	499.74	-15.46	-3.00

Note: Vietnam reported only planted area.

Table 24 Cassava yield in ASEAN countries, 2017 - 2019

Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
ASEAN	21.51	21.07	-0.44	-2.05	22.05	0.98	4.65
Brunei	N/A						
Cambodia	21.73	18.94	-2.79	-12.84	21.41	2.47	13.04
Indonesia	24.65	24.39	-0.26	-1.05	25.68	1.29	5.29
Lao PDR	32.10	31.87	-0.23	-0.72	33.50	1.63	5.11
Malaysia	17.24	18.70	1.46	8.47	20.28	1.58	8.45
Myanmar	11.64	11.49	-0.15	-1.29	12.77	1.28	11.14
Philippines	11.90	11.89	-0.01	-0.08	11.96	0.07	0.59
Singapore	N/A						
Thailand	21.87	22.04	0.17	0.78	22.61	0.57	2.59
Vietnam	19.28	19.29	0.01	0.05	18.90	-0.39	-2.02

Note: Yield related to harvested area excepts Vietnam which related to planted

Table 25 Cassava damaged area in ASEAN by cause of damage, 2018

Country	Cause of Damage (Hectares)						Total
	Flood	Drought	Pests	Diseases	Others	Unspecitfy	
ASEAN	49,045	-	-	-	-	5,998	55,043
Brunei	N/A						
Cambodia	1,051	-	-	-	-	5,262	6,313
Indonesia	90	-	-	-	-	-	90
Lao PDR	390	-	-	-	-	-	390
Malaysia	-	-	-	-	-	736	736
Myanmar	8	-	-	-	-	-	8
Philippines	-	-	-	-	-	-	-
Singapore	N/A						
Thailand	47,506	-	-	-	-	-	47,506
Vietnam	N/A						

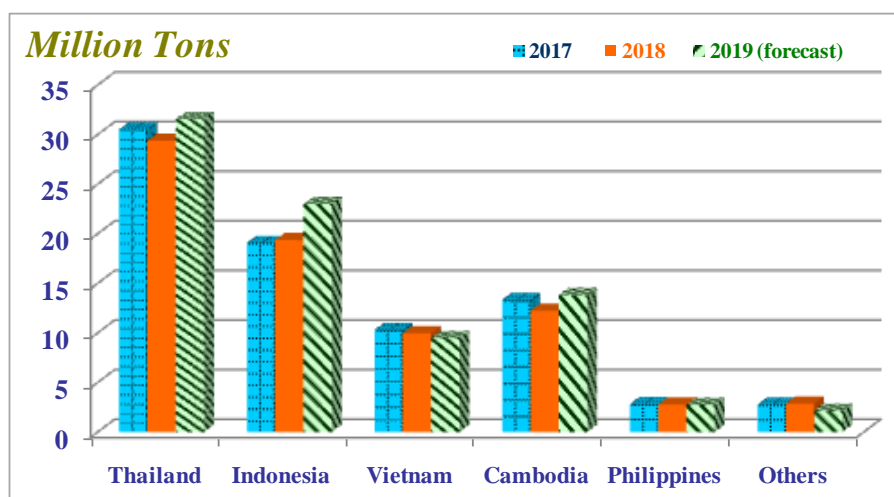


Figure 21 Cassava production of selected countries in ASEAN, 2017 - 2019

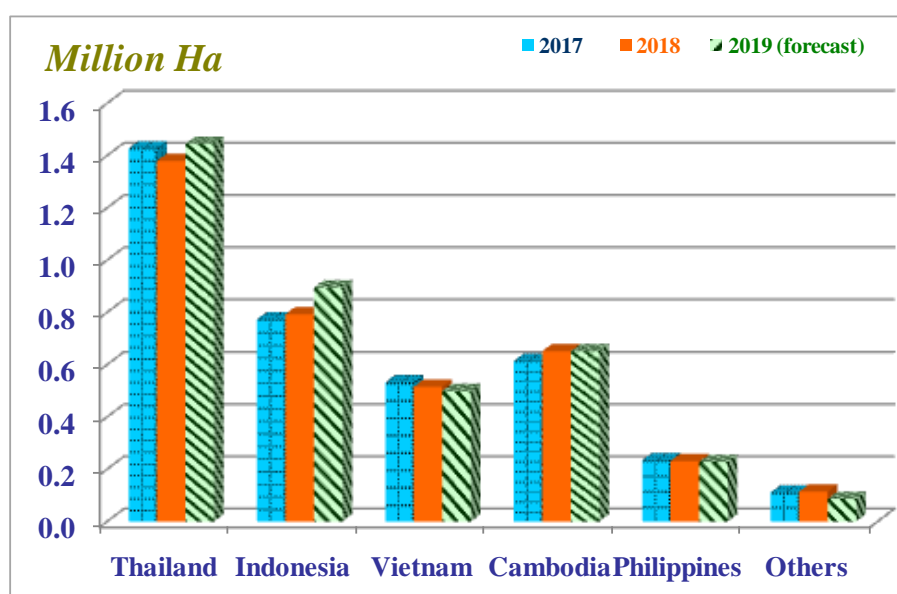


Figure 22 Cassava planted area of selected countries in ASEAN, 2017 - 2019

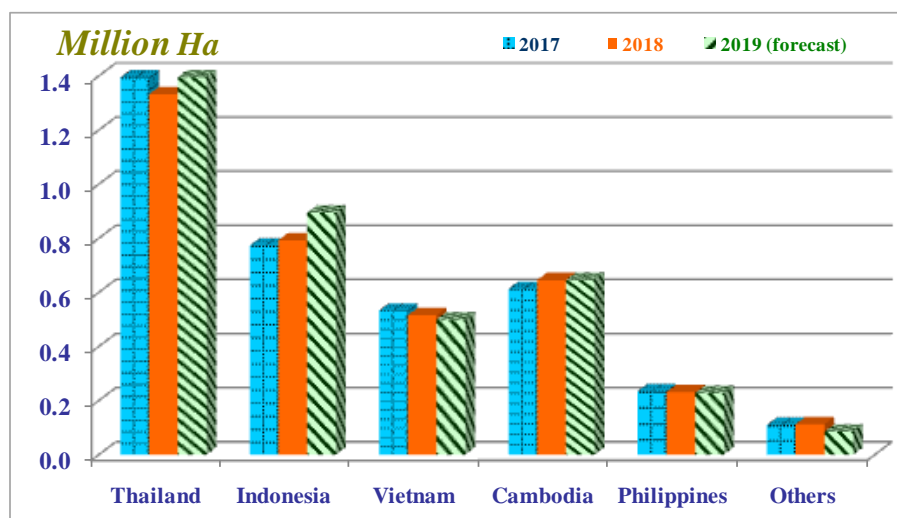


Figure 23 Cassava harvested area of selected countries in ASEAN, 2017 - 2019

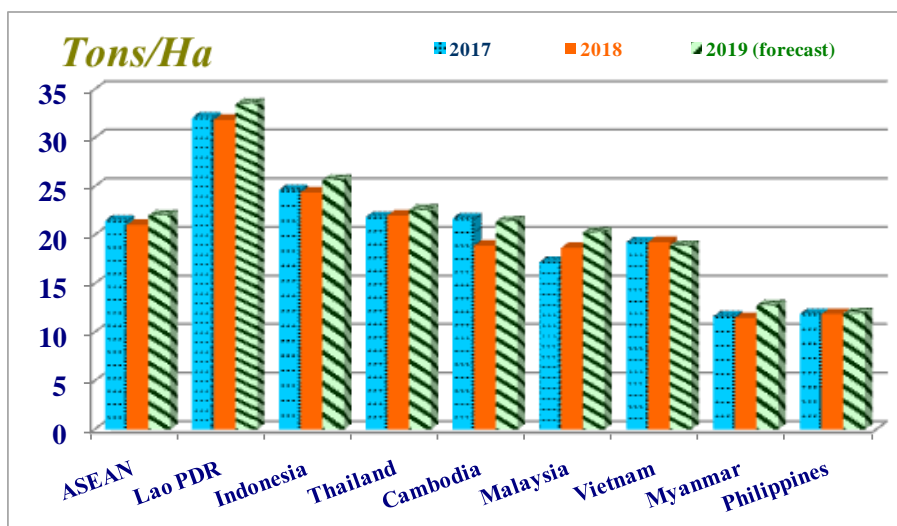


Figure 24 Cassava yield of countries in ASEAN, 2017 - 2019

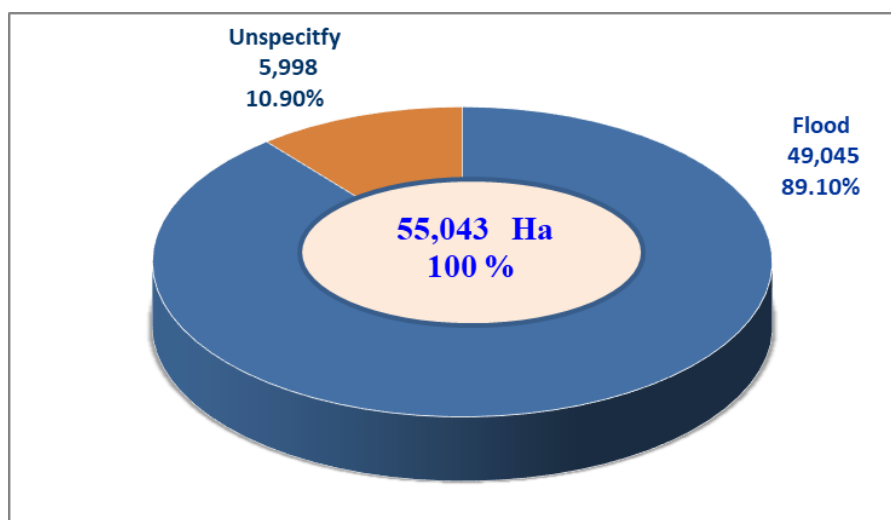


Figure 25 Soybean damaged area in ASEAN by cause of damage, 2018 (2017/18)