



ASEAN FOOD SECURITY INFORMATION SYSTEM (AFSIS)

Report on Early Warning Information
No.19 Sept 2017



AFSIS

ASEAN Food Security Information System



ASEAN Rice Situation in 2017

Production

ASEAN paddy production in 2017 (crop year 2016/17) was estimated to be 219.96 million tons, an increase of 8,108.82 tons or 3.83 percent compare to 2016 (crop year 2015/16) (211.86 million tons) was due to the incline in planted area. Most of the producing countries expected an increase in production except Myanmar, and Vietnam. (Table 1 – 4, Figure 1 – 4).

For **Brunei**, the increase in production attributed to the increase in yield.

For **Cambodia**, the estimate production was 9.58 million tons, an increase was due to the increase in both area and yield.

For **Indonesia**, the estimate production was 15.63 million tons, an increase in production came from the increase in planted area and yield.

For **Lao PDR**, the estimate production was 4.33 million tons, an increase in production came from the increase in area and yield.

For **Malaysia**, the estimate production was 2.90 million tons, an increase in production derived from the increase in yield.

For **Myanmar**, the estimate production was 27.26 million tons, a decrease in production came from the decrease in planted area and yield.

For **the Philippines**, the estimate production was 18.55 million tons, an increase in production derived from the increase in planted area and yield.

For **Thailand**, the estimate production was 32.43 million tons, an increase in production derived from the increase in planted area and yield.

In **Vietnam**, the estimate production was 43.34 million tons, a decrease in production derived from the decrease in area and yield.

Damaged Area

The damaged area of paddy in ASEAN in 2017 (crop year 2016/17) was reported to be 0.56 million hectares. 47.83 percent or 0.27 million hectares of the damaged area caused by flood. The damage has occurred the most in Thailand about 0.12 million hectares. The damage was caused by many factors such as the drought, flood and pests (Table 5, Figure 5).

Table 1 Paddy production in ASEAN countries, 2016-2018

Unit: 1,000 Tons

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	211,855.06	219,963.88	8,108.82	3.83	221,854.23	1,890.36	0.86
Brunei	2.44	2.54	0.11	4.42	2.62	0.08	3.19
Cambodia	9,335.28	9,577.67	242.39	2.60	9,539.06	-38.61	-0.40
Indonesia	79,354.07	81,568.70	2,214.63	2.79	83,263.21	1,694.51	2.08
Lao PDR	4,148.80	4,339.47	190.67	4.60	4,502.58	163.10	3.76
Malaysia	2,738.97	2,901.90	162.93	5.95	3,064.83	162.93	5.61
Myanmar	27,763.57	27,255.44	-508.13	-1.83	29,491.20	2,235.76	8.20
Philippines	17,473.17	18,549.55	1,076.38	6.16	19,355.05	805.50	4.34
Singapore	-	-	-	-	-	-	-
Thailand	27,421.01	32,430.58	5,009.57	18.27	33,045.69	615.11	1.90
Vietnam	43,617.75	43,338.03	-279.72	-0.64	39,590.00	-3,748.03	-8.65

Table 2 Paddy planted area in ASEAN countries, 2016-2018

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	49,574.75	51,217.28	1,642.53	3.31	50,824.00	-393.28	-0.77
Brunei	1.53	1.31	-0.22	-14.31	1.35	0.03	2.58
Cambodia	3,051.41	3,073.58	22.17	0.73	3,079.50	5.91	0.19
Indonesia	15,180.30	15,627.36	447.07	2.95	15,457.27	-170.09	-1.09
Lao PDR	976.49	1,017.49	41.00	4.20	1,037.89	20.40	2.00
Malaysia	688.77	688.28	-0.49	-0.07	687.78	-0.50	-0.07
Myanmar	7,211.89	7,161.28	-50.61	-0.70	7,427.65	266.37	3.72
Philippines	4,561.23	4,758.83	197.60	4.33	4,857.67	98.85	2.08
Singapore	-	-	-	-	-	-	-
Thailand	10,112.19	11,126.12	1,013.94	10.03	11,255.90	129.77	1.17
Vietnam	7,790.94	7,763.02	-27.92	-0.36	7,019.00	-744.02	-9.58

Table 3 Paddy harvested area in ASEAN countries, 2016-2018

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	48,884.12	50,657.55	1,773.43	3.63	50,311.32	-346.23	-0.68
Brunei	1.39	1.31	-0.08	-5.74	1.35	0.03	2.58
Cambodia	3,025.63	3,073.58	47.95	1.58	3,079.50	5.91	0.19
Indonesia	15,156.02	15,558.13	402.11	2.65	15,457.27	-100.86	-0.65
Lao PDR	973.33	1,017.49	44.16	4.54	1,037.89	20.40	2.00
Malaysia	687.82	681.39	-6.43	-0.94	680.90	-0.49	-0.07
Myanmar	7,098.16	7,063.13	-35.03	-0.49	7,377.82	314.69	4.46
Philippines	4,522.79	4,722.46	199.67	4.41	4,857.67	135.22	2.86
Singapore	-	-	-	-	-	-	-
Thailand	9,628.03	10,777.04	1,149.01	11.93	10,799.92	22.88	0.21
Vietnam	7,790.94	7,763.02	-27.92	-0.36	7,019.00	-744.02	-9.58

Note: Vietnam reported only planted area.

Table 4 Paddy yield in ASEAN countries, 2016-2018

Unit: Ton/Hectare

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	4.33	4.34	0.01	0.23	4.41	0.07	1.61
Brunei	1.75	1.94	0.19	10.86	1.95	0.01	0.52
Cambodia	3.09	3.12	0.03	0.97	3.10	-0.02	-0.64
Indonesia	5.24	5.24	0.00	0.00	5.39	0.15	2.86
Lao PDR	4.26	4.26	0.00	0.00	4.34	0.08	1.88
Malaysia	3.98	4.26	0.28	7.04	4.50	0.24	5.63
Myanmar	3.91	3.86	-0.05	-1.28	4.00	0.14	3.63
Philippines	3.86	3.93	0.07	1.81	3.98	0.05	1.27
Singapore	-	-	-	-	-	-	-
Thailand	2.85	3.01	0.16	5.61	3.06	0.05	1.66
Vietnam	5.60	5.58	-0.02	-0.36	5.64	0.06	1.08

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

Table 5 Paddy damaged area in ASEAN by cause of damage, 2017

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Other	Unspecified	Total
ASEAN	267,755	130,018	82,686	42,697	36,404	165	559,724
Brunei	-	-	-	-	-	-	0
Cambodia	-	-	-	-	-	-	0
Indonesia	46,434	19,554	3,249	-	-	-	69,237
Lao PDR	-	-	-	-	-	-	-
Malaysia	344	688	4,127	1,719	-	-	6,878
Myanmar	97,588	-	404	-	-	160	98,152
Philippines	-	-	186	-	36,184	-	36,370
Singapore	-	-	-	-	-	-	-
Thailand	123,389	109,776	74,720	40,977	220	-	349,082
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

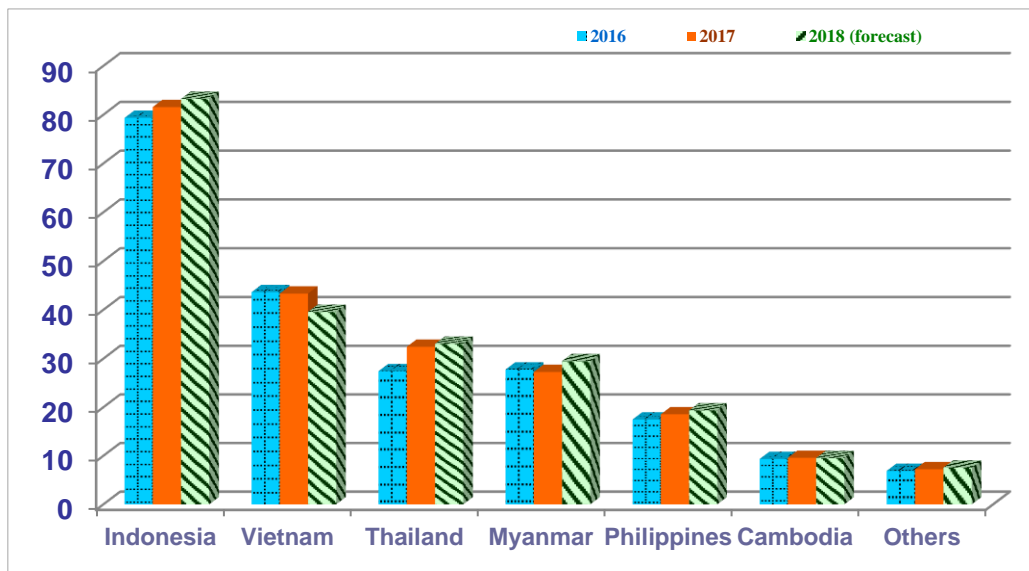


Figure 1 Paddy production of selected countries in ASEAN, 2016-2018

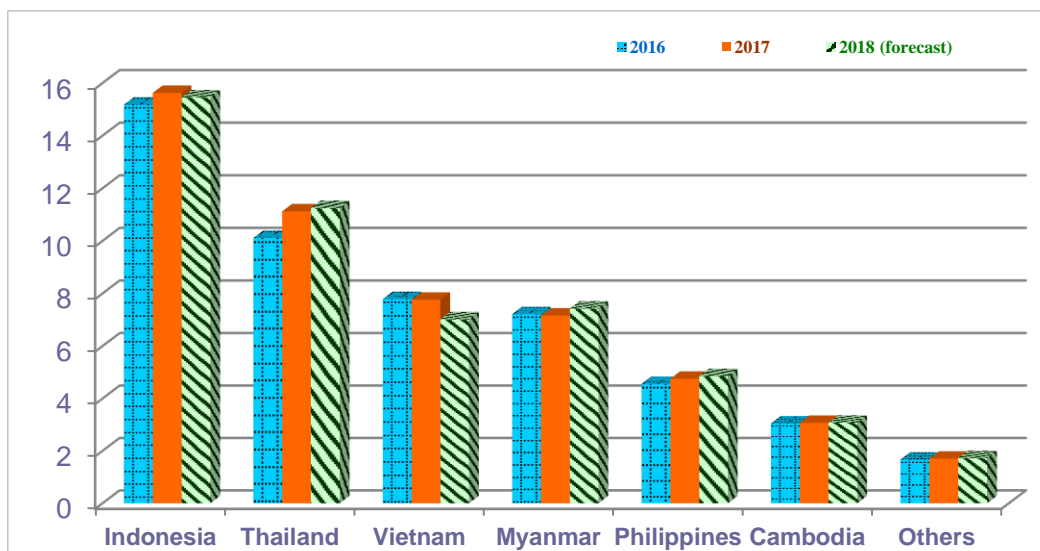


Figure 2 Paddy planted area of selected countries in ASEAN, 2016-2018

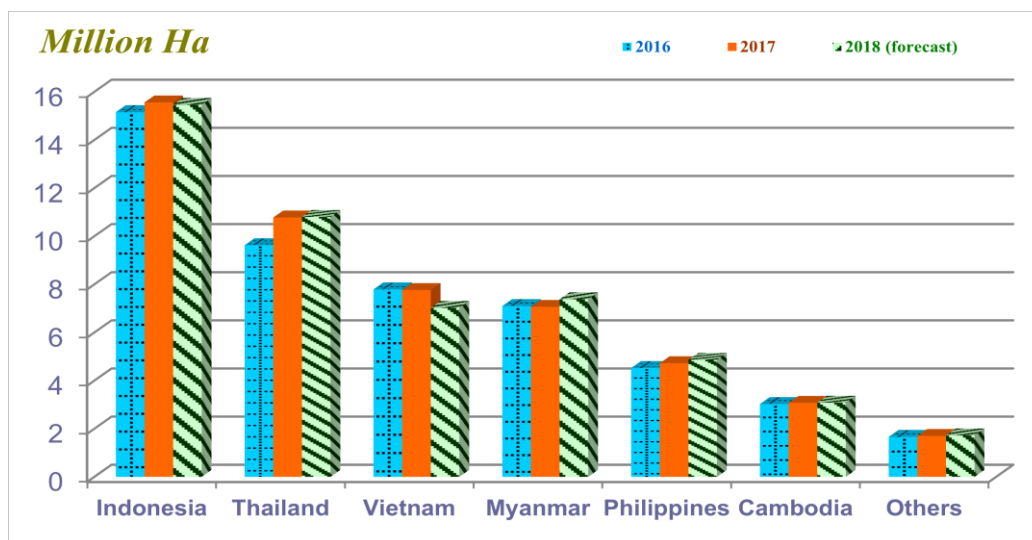


Figure 3 Paddy harvested area of selected countries in ASEAN, 2016-2018

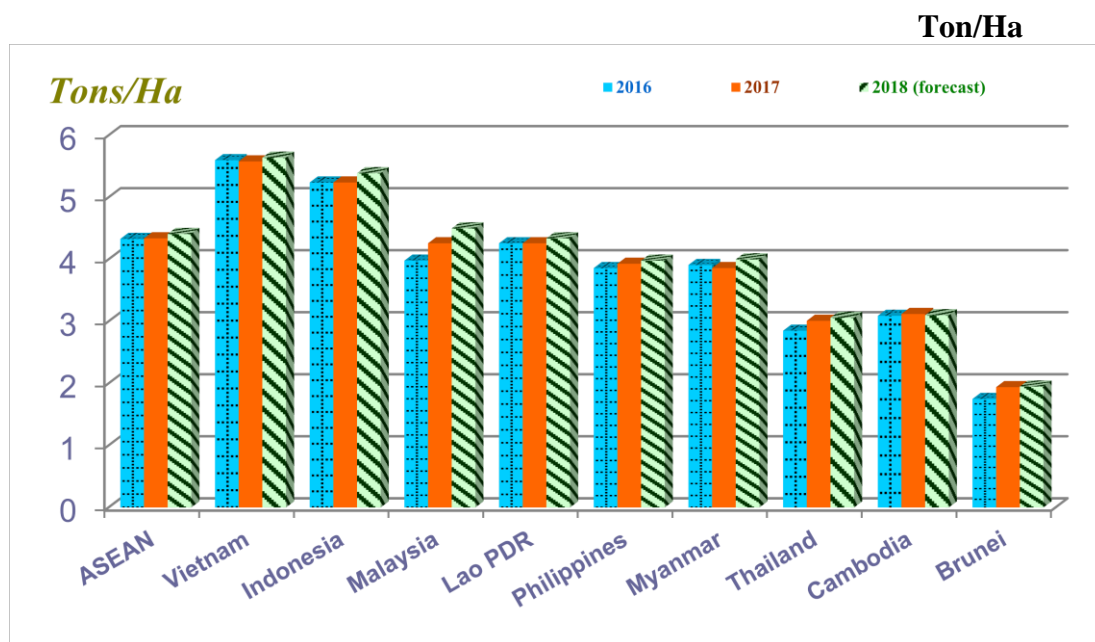


Figure 4 Paddy yield of countries in ASEAN, 2016-2018

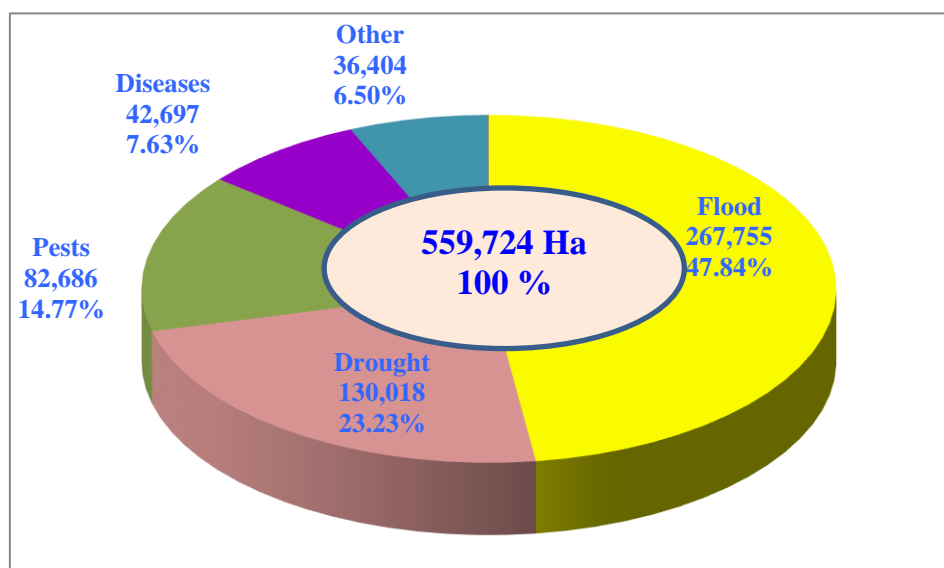


Figure 5 Paddy damaged area in ASEAN by cause of damage, 2017 (crop year 2016/17)

ASEAN Maize Situation in 2017

Production

The maize production in ASEAN in 2017 (crop year 2016/17) was reported to be 47.13 million tons, increase from 43.30 million tons in 2016 (crop year 2015/16) about 9 percent (3.83 million tons). The increase in production occurred in Indonesia (approximately 12 percent or 2.84 million tons), and the Philippines (approximately 16 percent or 1.12 million tons). However, Lao PDR, and Vietnam were reported decrease production. (Table 6 – 9, Figure 6 – 9).

Cambodia reported an increase production, from 0.40 million tons in 2016 to 0.41 million tons in 2017. It is caused by the declined in area.

For **Indonesia**, the production in 2017 was 26.03 million tons, an increase compare to previous year came from the increase in planted area.

For **Lao PDR**, the decrease in production from 1.55 million tons in 2016 to 1.23 million tons in 2017 caused by the decrease in planted area due to the price decrease.

For **Myanmar**, the production in 2017 was 1.83 million tons, an increase compare to previous year came from the increase in planted area and yield.

The **Philippines** reported an increase in production from 6.97 million tons in 2016 to 8.09 million tons in 2017. The increase caused by the increase in both area and yield due to the favorable weather.

For **Thailand**, reported an increase production from 4.23 million tons in 2016 to 4.43 million tons in 2017, caused by the increase in both planted area and yield.

The decrease in production in **Vietnam** from 5.22 million tons in 2016 to 5.11 million tons in 2017 cause by the declined in planted area.

Damaged Area

The damaged area of maize in 2016 was reported to be 66,391 hectares. The total damaged area of 55,067 hectares caused by the drought which mainly occurred in the Thailand (45,260 hectares). Total flood area of 11,198 hectares was found in mainly in Cambodia (6,070 hectares). (Table 10, Figure 10)

Table 6 Maize production in ASEAN countries, 2016 – 2018

Unit: 1,000 Tons

Country	2016 (2015/16)	2017(2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	43,300.75	47,126.55	3,825.80	8.84	46,983.61	-142.94	-0.30
Brunei	-	-	-	-	-	-	-
Cambodia	399.65	407.64	7.99	2.00	339.75	-67.89	-16.65
Indonesia	23,187.62	26,028.47	2,840.86	12.25	26,206.88	178.41	0.69
Lao PDR	1,552.36	1,229.15	-323.21	-20.82	1,183.76	-45.39	-3.69
Malaysia	-	-	-	-	-	-	-
Myanmar	1,748.86	1,830.96	82.10	4.69	1,889.78	58.82	3.21
Philippines	6,965.93	8,086.98	1,121.06	16.09	7,626.42	-460.56	-5.70
Singapore	-	-	-	-	-	-	-
Thailand	4,231.18	4,430.95	199.77	4.72	4,662.52	231.57	5.23
Vietnam	5,215.16	5,112.40	-102.76	-1.97	5,074.50	-37.90	-0.74

Table 7 Maize planted area in ASEAN countries, 2016 – 2018

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	9,936.18	10,686.30	750.12	7.55	9,972.97	-713.34	-6.68
Brunei	-	-	-	-	-	-	-
Cambodia	112.57	114.83	2.25	2.00	99.79	-15.03	-13.09
Indonesia	4,425.92	5,055.04	629.12	14.21	4,569.99	-485.05	-9.60
Lao PDR	258.91	201.50	-57.41	-22.17	212.50	11.00	5.46
Malaysia	-	-	-	-	-	-	-
Myanmar	471.93	490.17	18.24	3.87	499.27	9.10	1.86
Philippines	2,485.33	2,684.40	199.07	8.01	2,422.43	-261.97	-9.76
Singapore	-	-	-	-	-	-	-
Thailand	1,030.54	1,040.36	9.82	0.95	1,083.98	43.62	4.19
Vietnam	1,150.98	1,100.00	-50.97	-4.43	1,085.00	-15.00	-1.36

Table 8 Maize harvested area in ASEAN countries, 2016 – 2018

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	9,769.70	10,619.92	850.23	8.70	9,931.11	-688.81	-6.49
Brunei	-	-	-	-	-	-	-
Cambodia	104.16	106.18	2.02	1.94	91.13	-15.05	-14.18
Indonesia	4,387.58	5,047.92	660.33	15.05	4,569.99	-477.93	-9.47
Lao PDR	258.91	201.50	-57.41	-22.17	212.50	11.00	5.46
Malaysia	-	-	-	-	-	-	-
Myanmar	469.75	488.11	18.36	3.91	495.87	7.76	1.59
Philippines	2,417.50	2,681.12	263.62	10.90	2,422.43	-258.68	-9.65
Singapore	-	-	-	-	-	-	-
Thailand	980.82	995.10	14.28	1.46	1,054.19	59.09	5.94
Vietnam	1,150.98	1,100.00	-50.97	-4.43	1,085.00	-15.00	-1.36

Table 9 Maize Yield in ASEAN countries, 2016 – 2018

Unit: Ton/Hectare

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	4.43	4.44	0.01	0.23	4.73	0.29	6.53
Brunei	-	-	-	-	-	-	-
Cambodia	3.84	3.84	0.00	0.00	3.73	-0.11	-2.86
Indonesia	5.28	5.16	-0.12	-2.27	5.73	0.57	11.05
Lao PDR	6.00	6.10	0.10	1.67	5.57	-0.53	-8.69
Malaysia	-	-	-	-	-	-	-
Myanmar	3.72	3.75	0.03	0.81	3.81	0.06	1.60
Philippines	2.88	3.02	0.14	4.86	3.15	0.13	4.30
Singapore	-	-	-	-	-	-	-
Thailand	4.31	4.45	0.14	3.25	4.42	-0.03	-0.67
Vietnam	4.53	4.65	0.12	2.65	4.68	0.03	0.65

Table 10 Maize damaged area in ASEAN by cause of damage, 2017

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Unspecified	Others	Total
ASEAN	11,198	55,067	23	-	-	-	66,391
Brunei	-	-	-	-	-	-	-
Cambodia	6,070	2,576	-	-	-	-	8,646
Indonesia	3,146	3,946	23	-	-	-	7,115
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	1,982	-	-	-	103	-	2,085
Philippines	-	3,285	-	-	-	-	3,285
Singapore	-	-	-	-	-	-	-
Thailand	-	45,260	-	-	-	-	45,260
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

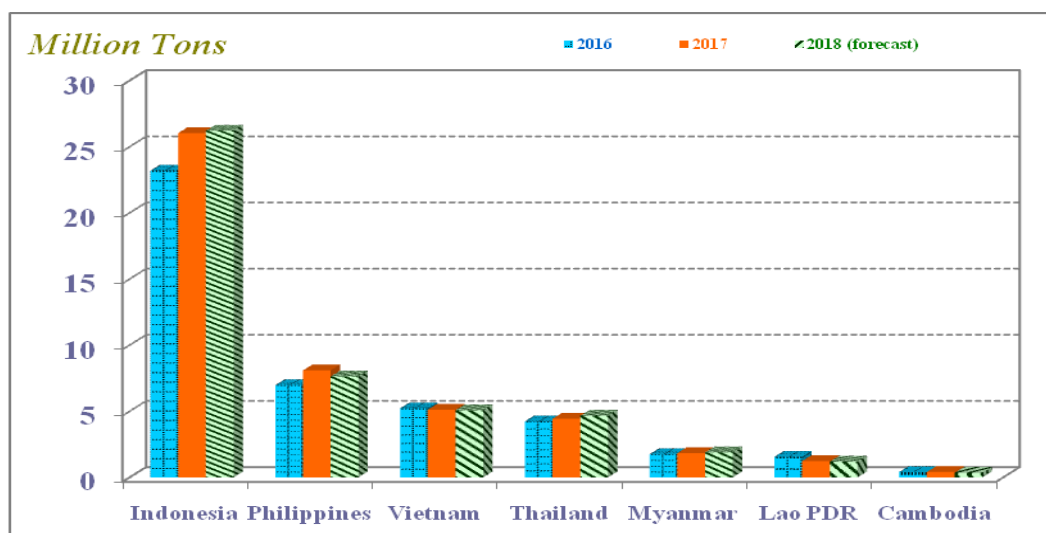


Figure 6 Maize production of selected countries in ASEAN, 2016 – 2018

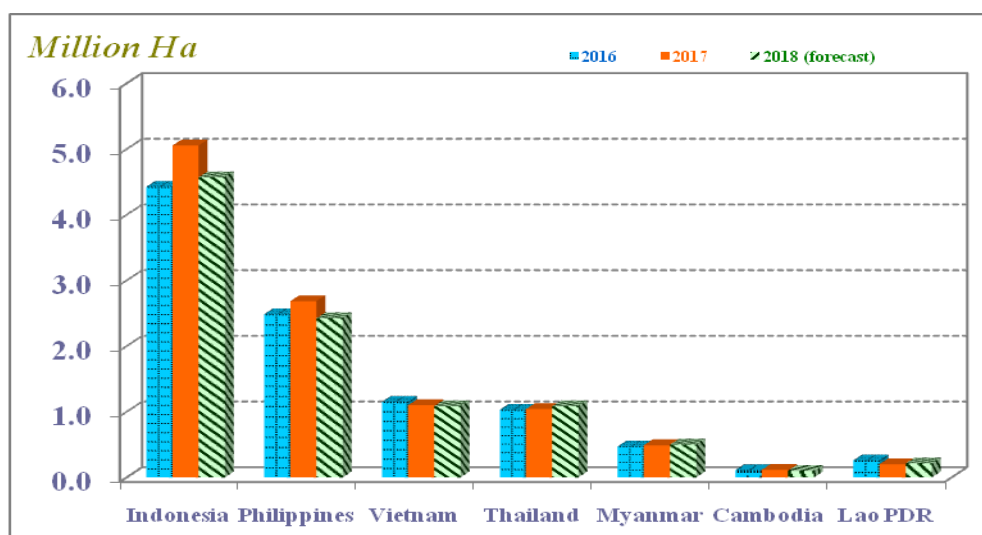


Figure 7 Maize planted area of selected countries in ASEAN, 2016 – 2018

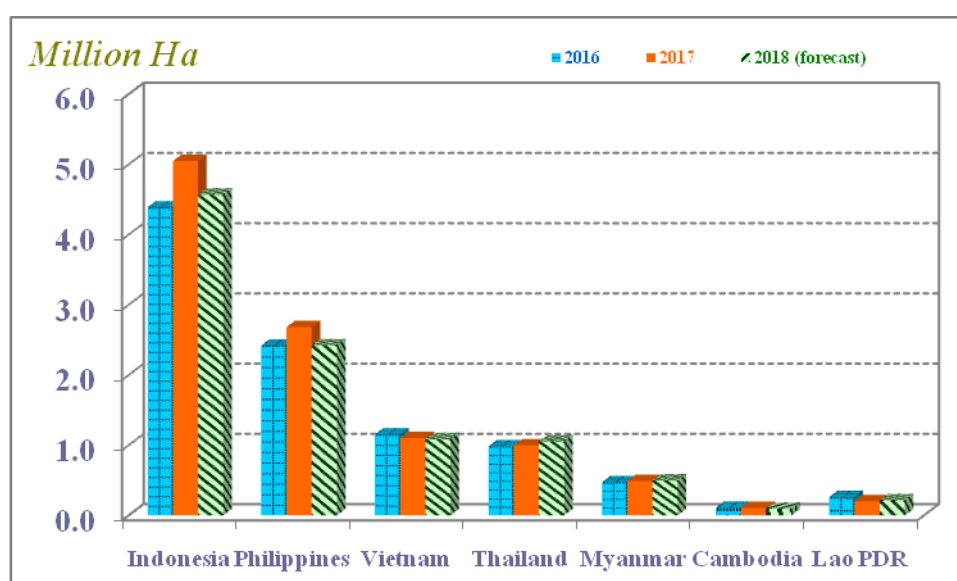


Figure 8 Maize harvested area of selected countries in ASEAN, 2016 – 2018

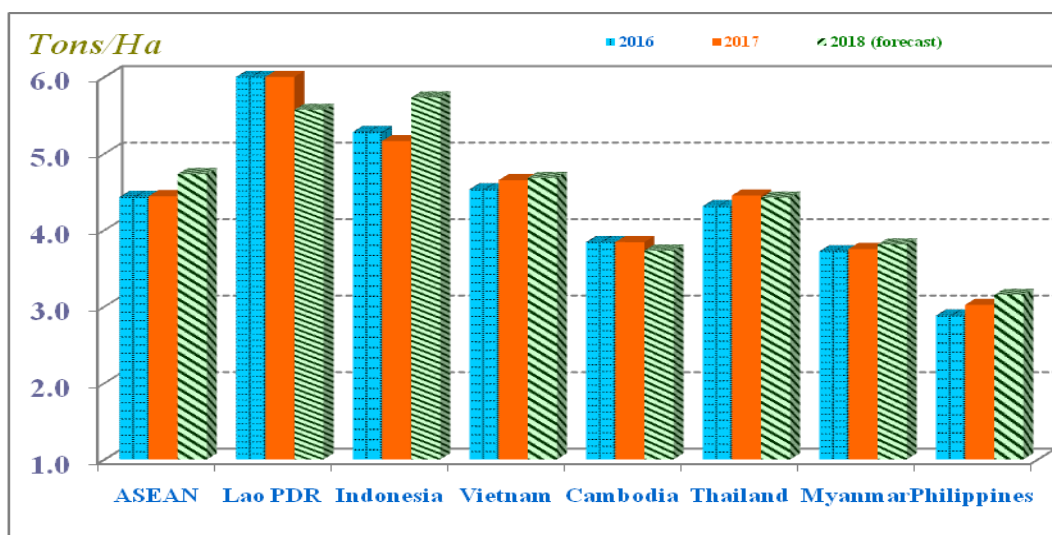


Figure 9 Maize yield of countries in ASEAN, 2016 – 2018

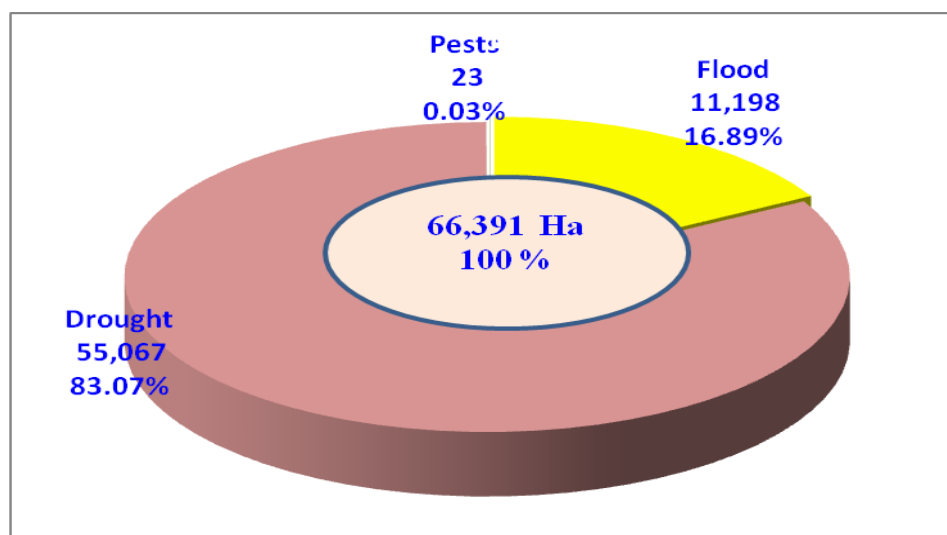


Figure 10 Maize damaged area in ASEAN by cause of damage, 2017 (crop year 2016/17)

ASEAN Sugar Situation in 2017

Production

The sugarcane production in ASEAN in 2017 (2016/17 crop year) was reported to be 167.28 million tons, an increase of 5.56 million tons from 161.72 million tons in 2016 (approximately 3 percent) came from the increase in production from most of country except Lao PDR and Thailand. (Table 11 – 14, Figure 11 – 14).

For **Cambodia**, the increase in sugarcane production from 0.72 million tons in 2016 to 0.74 million tons in 2017 caused by the expansion of planted area and the yield increased.

Indonesia reported an increase of sugarcane production from 14.45 million tons in 2016 to 16.03 million tons in 2017. The increase was due to expand in planted area by compete with other food crops commodity and yield.

For **Lao PDR**, the sugarcane production of 2017 was decrease at 3.71 percent (75 tons decrease) compare to 2016. The decrease was due to a decreasing in yield by farmer use less fertilizer.

In **Myanmar**, reported sugarcane production increase from 10.14 million tons in 2016 to 10.44 million tons in 2017. The increase of production caused by the expand in planted area from price of competing crop decrease.

For **the Philippines**, the sugarcane production reported to be increase from 23.01 million tons in 2016 to 27.60 million tons in 2017. The increase in its production was due to the increase in both area and yield due to favorable weather and farmer use more fertilizer.

Thailand, the sugarcane production was decrease from 94.14 million tons in 2016 to 93.09 million tons in 2017. The decrease was due to the decrease in yield which was damage by drought and planted area decrease.

In **Vietnam**, the production was reported to be increase from 17.25 million tons in 2016 to 17.45 million tons in 2017. The increase caused by the expand in planted area in responded to the price increase and farmer taking care their crop better and use more improved varieties.

Damaged Area

The sugarcane damaged area in ASEAN in 2016 was reported to be 58,174 hectares. 56,141 hectares caused by flood and drought which occurred mainly in Thailand. (Table 15, Figure 15).

Table 11 Sugarcane production in ASEAN countries, 2015-2017

Unit: 1,000 Tons

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	161,723.42	167,282.16	5,558.74	3.44	176,330.13	9,047.97	5.41
Brunei	-	-	-	-	-	-	-
Cambodia	723.36	737.83	14.47	2.00	737.83	0.00	0.00
Indonesia	14,448.95	16,025.03	1,576.08	10.91	16,025.03	0.00	0.00
Lao PDR	2,019.00	1,944.00	-75.00	-3.71	1,955.00	11.00	0.57
Malaysia	-	-	-	-	-	-	-
Myanmar	10,142.38	10,437.06	294.68	2.91	10,864.23	427.17	4.09
Philippines	23,005.11	27,599.78	4,594.67	19.97	24,421.79	-3,178.00	-11.51
Singapore	-	-	-	-	-	-	-
Thailand	94,138.47	93,088.46	-1,050.00	-1.12	104,716.26	11,627.79	12.49
Vietnam	17,246.15	17,450.00	203.85	1.18	17,610.00	160.00	0.92

Table 12 Sugarcane planted area in ASEAN countries, 2015-2017

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	2,825.76	2,816.22	-9.54	-0.34	2,836.33	20.10	0.71
Brunei	-	-	-	-	-	-	-
Cambodia	19.90	20.20	0.30	1.50	20.20	0.00	0.00
Indonesia	445.52	453.46	7.94	1.78	453.46	0.00	0.00
Lao PDR	36.18	32.00	-4.18	-11.55	34.00	2.00	6.25
Malaysia	-	-	-	-	-	-	-
Myanmar	161.91	164.09	2.17	1.34	176.49	12.40	7.56
Philippines	413.15	419.72	6.56	1.59	409.50	-10.21	-2.43
Singapore	-	-	-	-	-	-	-
Thailand	1,482.27	1,459.66	-22.61	-1.53	1,475.43	15.77	1.08
Vietnam	266.82	267.10	0.28	0.11	267.25	0.15	0.06

Table 13 Sugarcane harvested area in ASEAN countries, 2015-2017

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	2,767.10	2,758.05	-9.05	-0.33	2,777.98	19.93	0.72
Brunei	-	-	-	-	-	-	-
Cambodia	19.63	19.92	0.29	1.50	19.92	0.00	0.00
Indonesia	444.22	452.14	7.92	1.78	452.14	0.00	0.00
Lao PDR	36.18	32.00	-4.18	-11.55	34.00	2.00	6.25
Malaysia	-	-	-	-	-	-	-
Myanmar	161.84	163.65	1.81	1.12	176.49	12.84	7.84
Philippines	413.15	419.72	6.56	1.59	409.50	-10.21	-2.43
Singapore	-	-	-	-	-	-	-
Thailand	1,425.26	1,403.52	-21.74	-1.53	1,418.68	15.16	1.08
Vietnam	266.82	267.10	0.28	0.11	267.25	0.15	0.06

Table 14 Sugarcane yield in ASEAN countries, 2015-2017

Unit: Ton/Hectare

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	58.45	60.65	2.20	3.76	63.47	2.82	4.65
Brunei	-	-	-	-	-	-	-
Cambodia	36.86	37.04	0.18	0.49	37.04	0.00	0.00
Indonesia	32.53	35.44	2.91	8.95	35.44	0.00	0.00
Lao PDR	55.80	60.75	4.95	8.87	57.50	-3.25	-5.35
Malaysia	-	-	-	-	-	-	-
Myanmar	62.67	63.78	1.11	1.77	61.56	-2.22	-3.48
Philippines	55.68	65.76	10.08	18.10	59.64	-6.12	-9.31
Singapore	-	-	-	-	-	-	-
Thailand	66.05	66.33	0.28	0.42	73.81	7.48	11.28
Vietnam	64.64	65.33	0.69	1.07	65.89	0.56	0.86

Table 15 Sugarcane damaged area in ASEAN by cause of damage, 2016

Country	Cause of Damage (Hectares)						Total
	Flood	Drought	Pests	Diseases	Others	Unspecified	
ASEAN	8,421	44,122	2,807	1,123	103	1,598	58,174
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	281	281
Indonesia	-	-	-	-	-	1,317	1,317
Lao PDR.	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	-	332	-	-	103	-	435
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	8,421	43,790	2,807	1,123	-	-	56,141
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

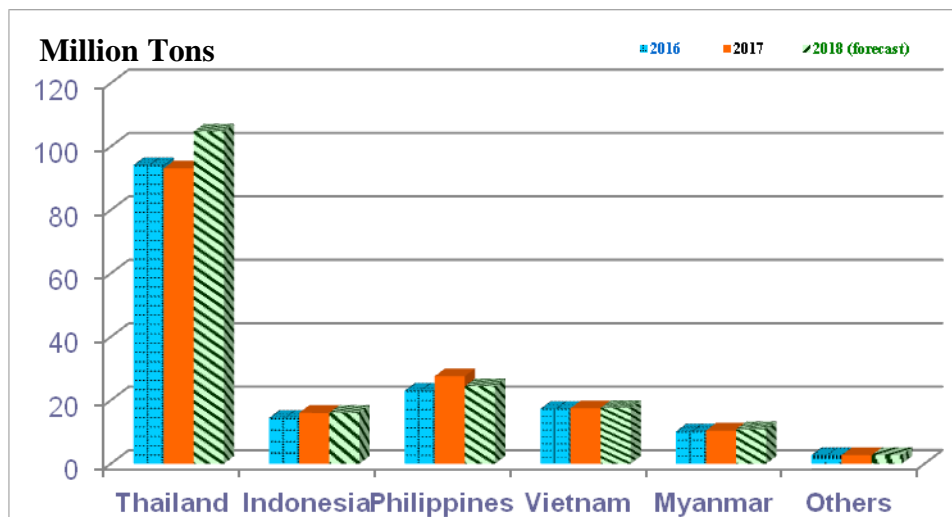


Figure 11 Sugarcane production of selected countries in ASEAN, 2015-2017

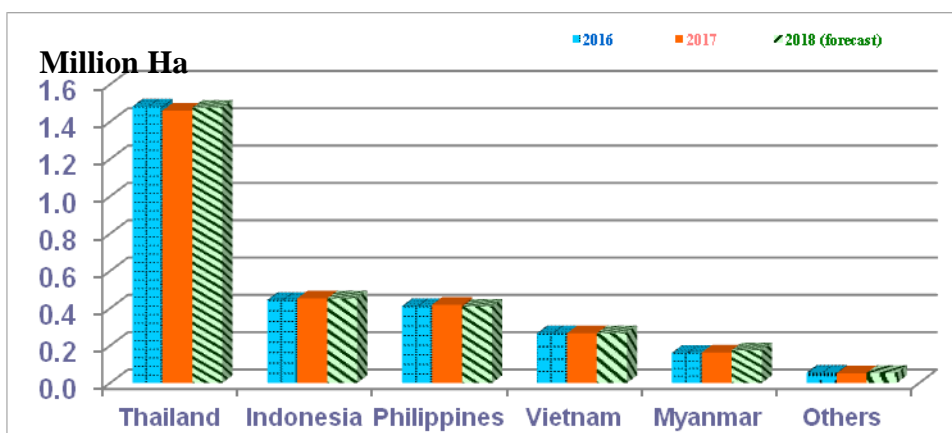


Figure 12 Sugarcane planted area of selected countries in ASEAN, 2015-2017

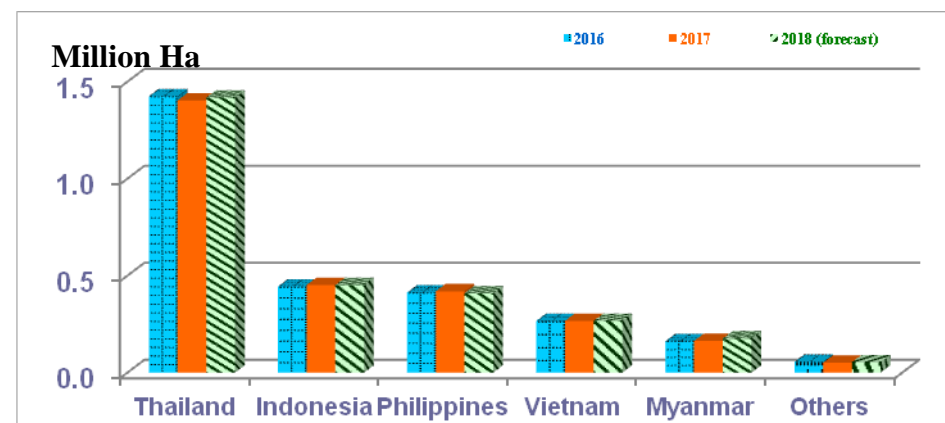


Figure 13 Sugarcane harvested area of selected countries in ASEAN, 2015-2017

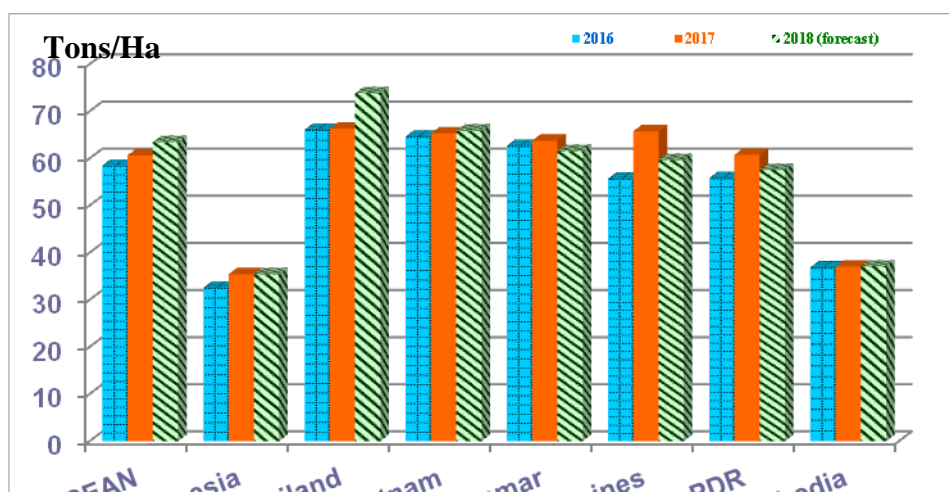


Figure 14 Sugarcane yield of selected countries in ASEAN, 2015-2017

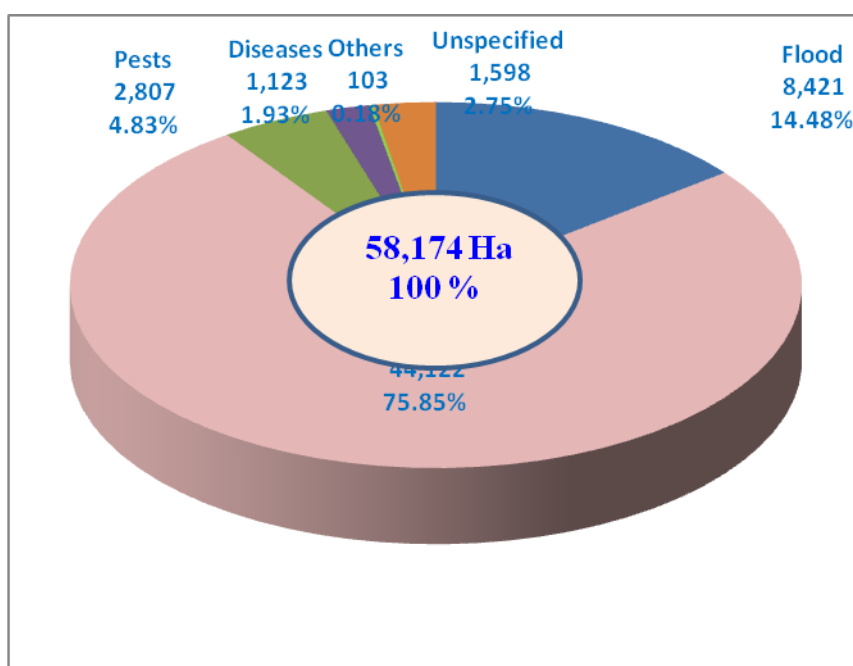


Figure 15 Sugarcane damaged area in ASEAN by cause of damage, 2016 (crop year 2015/16)

ASEAN Soybean Situation 2017

Production

The soybean production in ASEAN in 2017 (crop year 2016/17) reported to be 1.18 million tons was decrease from 1.39 million tons in 2016 (crop year 2015/16). The decrease in production caused by the decline in area in most of the producing countries except Cambodia. Indonesia reported a decrease in its production 0.18 million tons or 21 percent approximately. (Table 11 – 14, Figure 11 – 14)

Cambodia, the soybean production reported to be increase from 0.099 million tons in 2016 to 0.101 million tons in 2017. The increase in production was due to the increase in area.

For **Indonesia**, the soybean production reported to be decrease from 0.86 million tons in 2016 to 0.67 million tons in 2017. The decrease in production caused by the decline in area.

For **Lao PDR**, the soybean production reported to be decrease about 4 percent or 750 tons compare to 2016. The decrease in area attributed to the unfavorable weather.

For **Myanmar**, the production decreased from 0.22 million tons in 2016 to 0.21 million tons in 2017. An approximately 3 percent decrease caused by the decline of area.

In the **Philippines**, the production decreased from 620 tons in 2016 to 590 tons in 2017. The decrease production was due to the decrease in both area and yield.

For **Thailand**, the production decreased from 0.0423 million tons in 2016 to 0.0419 million tons in 2017. The decrease in production caused by the decline in planted area and harvested area.

For **Vietnam**, the production decreased from 0.14 million tons in 2016 to 0.13 million tons in 2017. The decrease caused by the decline in planted area and harvested area.

Damaged Area

The total damaged area of soybean in the ASEAN in 2016 was reported to be 582 hectares. 248 hectares of drought area was the majority of damage area (42.61 percent) located in Thailand (248 hectares). Furthermore, 174 hectares of damaged area cause by flood in Myanmar. Table (20, Figure 20)

Table 16 Soybean production in ASEAN countries, 2016 – 2018

Unit: 1,000 Tons

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	1,386.98	1,183.38	-203.60	-14.68	1,472.99	289.61	24.47
Brunei	-	-	-	-	-	-	-
Cambodia	98.88	100.86	1.98	2.00	102.87	2.02	2.00
Indonesia	859.65	675.17	-184.49	-21.46	935.19	260.03	38.51
Lao PDR	18.85	18.10	-0.75	-3.98	18.54	0.45	2.46
Malaysia	-	-	-	-	-	-	-
Myanmar	222.28	214.83	-7.45	-3.35	236.06	21.23	9.88
Philippines	0.62	0.59	-0.03	-5.35	0.54	-0.05	-8.67
Singapore	-	-	-	-	-	-	-
Thailand	42.30	41.90	-0.40	-0.96	40.97	-0.93	-2.21
Vietnam	144.39	131.94	-12.45	-8.63	138.81	6.87	5.21

Table 17 Soybean planted area in ASEAN countries, 2016 – 2018

Unit: 1,000 Tons

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	931.84	778.67	-153.17	-16.44	891.26	112.59	14.46
Brunei	-	-	-	-	-	-	-
Cambodia	66.82	68.16	1.34	2.00	68.84	0.68	1.00
Indonesia	583.38	446.01	-137.37	-23.55	544.31	98.30	22.04
Lao PDR	12.07	11.60	-0.47	-3.89	11.80	0.20	1.72
Malaysia	-	-	-	-	-	-	-
Myanmar	148.60	143.18	-5.42	-3.65	154.75	11.57	8.08
Philippines	0.52	0.51	-0.01	-2.03	0.49	0.00	0.00
Singapore	-	-	-	-	-	-	-
Thailand	26.55	25.26	-1.29	-4.86	24.07	-1.19	-4.71
Vietnam	93.90	83.95	-9.95	-10.60	87.00	3.05	3.63

Table 18 Soybean harvested area in ASEAN countries, 2016 – 2018

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	924.43	778.09	-146.34	-15.83	890.87	112.79	14.50
Brunei	-	-	-	-	-	-	-
Cambodia	66.61	68.00	1.39	2.09	68.68	0.68	1.00
Indonesia	576.99	446.01	-130.98	-22.70	544.31	98.30	22.04
Lao PDR	12.07	11.60	-0.47	-3.89	11.80	0.20	1.72
Malaysia	-	-	-	-	-	-	-
Myanmar	148.44	143.01	-5.43	-3.66	154.75	11.74	8.21
Philippines	0.52	0.51	-0.01	-2.03	0.49	-0.02	-3.74
Singapore	-	-	-	-	-	-	-
Thailand	25.90	25.01	-0.90	-3.46	23.85	-1.16	-4.65
Vietnam	93.90	83.95	-9.95	-10.60	87.00	3.05	3.63

Note: Vietnam reported only planted area.

Table 19 Soybean yield in ASEAN countries, 2016 – 2018

Unit: Ton/Hectare

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	1.50	1.52	0.02	1.37	1.65	0.13	8.71
Brunei	-	-	-	-	-	-	-
Cambodia	1.48	1.48	0.00	0.00	1.50	0.02	1.21
Indonesia	1.49	1.51	0.02	1.60	1.72	0.20	13.50
Lao PDR	1.56	1.56	0.00	0.00	1.57	0.01	0.73
Malaysia	-	-	-	-	-	-	-
Myanmar	1.50	1.50	0.00	0.00	1.53	0.03	1.70
Philippines	1.20	1.16	-0.04	-3.39	1.10	-0.06	-5.12
Singapore	-	-	-	-	-	-	-
Thailand	1.63	1.68	0.04	2.59	1.72	0.04	2.55
Vietnam	1.54	1.57	0.03	2.21	1.60	0.02	1.52

Table 20 Soybean damaged area in ASEAN by cause of damage, 2017

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Others	Unspecify	Total
ASEAN	174	248	-	-	-	160	582
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	160	160
Indonesia	-	-	-	-	-	-	-
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	174	-	-	-	-	-	174
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	-	248	-	-	-	-	248
Vietnam	-	-	-	-	-	-	-

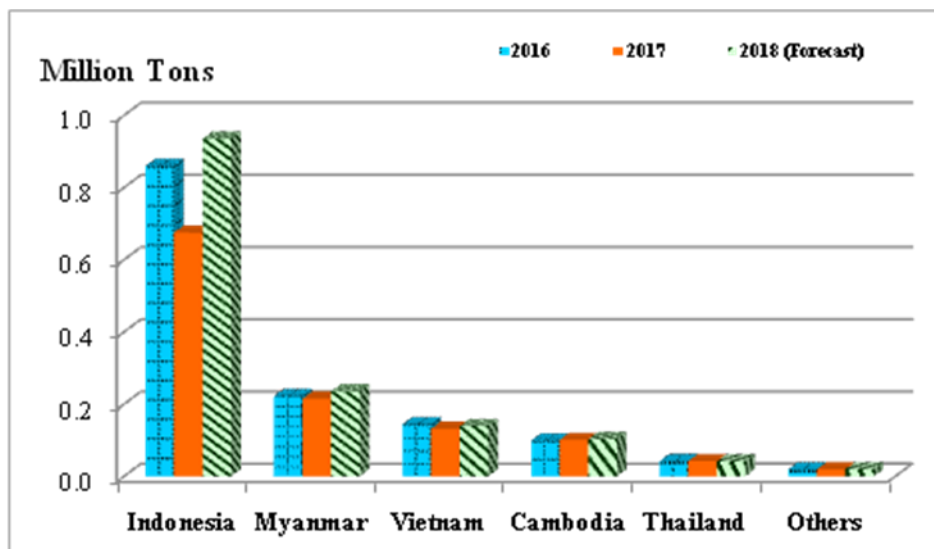


Figure 16 Soybean production of selected countries in ASEAN, 2016 – 2018

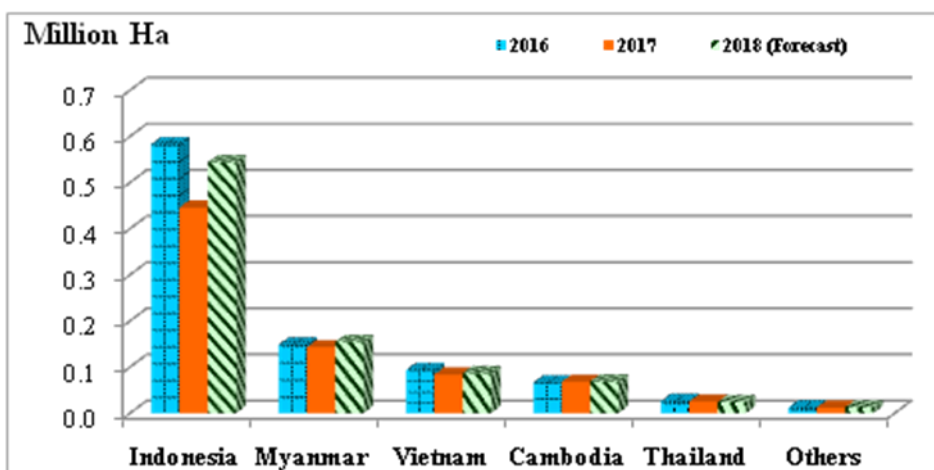


Figure 17 Soybean planted area of selected countries in ASEAN, 2016 – 2018

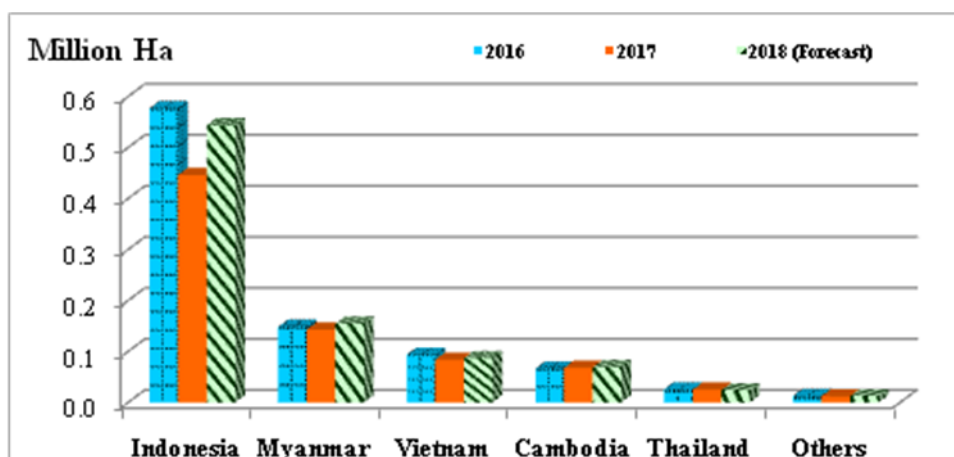


Figure 18 Soybean harvested area of selected countries in ASEAN, 2016 – 2018

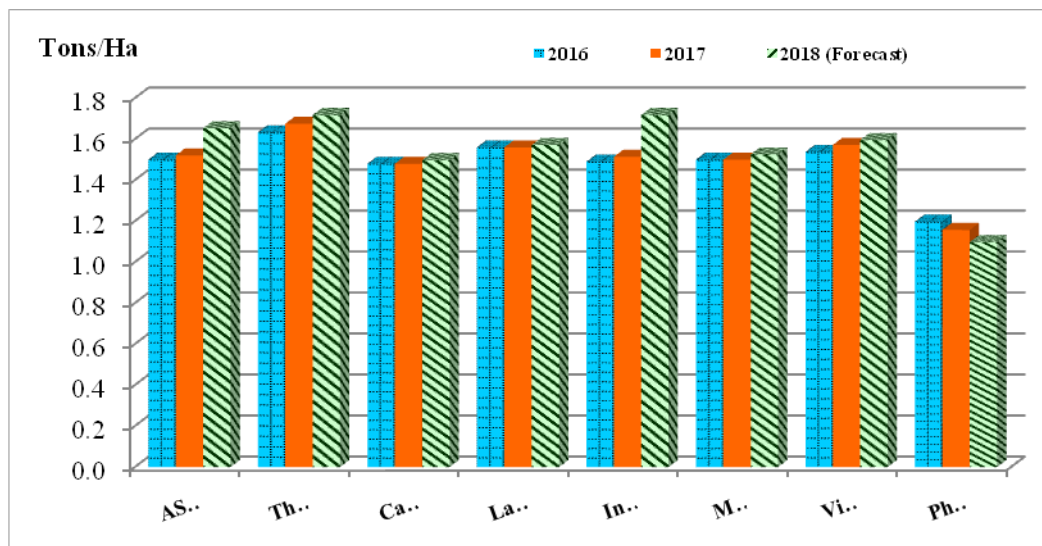


Figure 19 Soybean yield of countries in ASEAN, 2016 – 2018

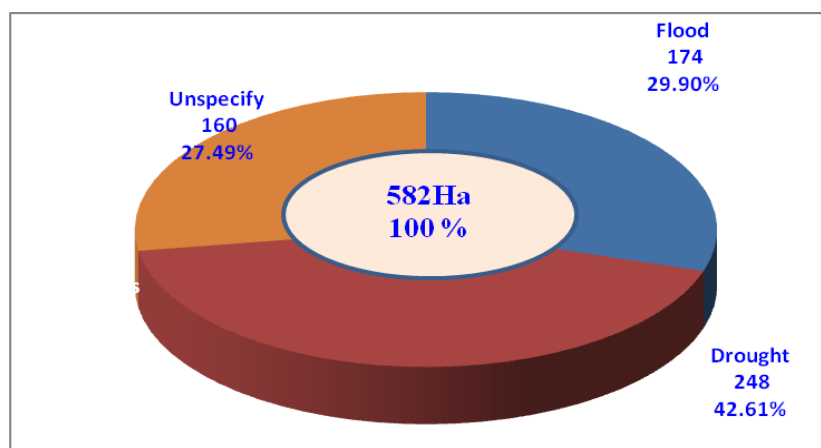


Figure 20 Soybean damaged area in ASEAN by cause of damage, 2017 (crop year 2016/17)

ASEAN Cassava Situation in 2017

Production

The estimated cassava production (root fresh) in ASEAN in 2017 (crop year 2016/17) decreased about 2 percent or 1.76 million tons compare to previous year (from 81.23 million tons in 2016 – 79.48 million tons in 2017). The decrease in production found in 4 countries, Indonesia, Lao PDR, Myanmar, and Thailand. While the other producing country reported the production increase in 2017. (Table 21 – 24, Figure 21 – 24)

For the producing countries reported a decrease in production, **Indonesia** reported a decrease of 6 percent or 1.22 million tons (from 20.26 million tons in 2016 to 19.05 million tons in 2017). The cause of production decrease was due to the decline in planted area.

Lao PDR reported a decrease in production of 35.36 percent or 0.85 million tons (from 2.41 million tons in 2016 to 1.56 million tons in 2017). The decrease due to the decline in planted area by unfavorable weather.

For **Myanmar**, the production reported to be decreased about 7 percent or 0.03 million tons (from 0.46 million tons in 2016 to 0.43 million tons in 2017). The decrease in production caused by the decline in planted area due to farmer response to price decrease competes with other crop.

For **Thailand**, the production reported to be decreased 0.72 percent or 0.23 million tons (from 31.16 million tons in 2016 to 30.94 million tons in 2017). The decrease in production was due to drought and flood.

For the producing countries reported an increase in production, **Cambodia**, reported the increase of 1.24 percent or 0.16 million tons (from 13.22 million tons in 2016 to 13.39 million tons in 2017). The increase in production came from the expansion of planted area.

In **Malaysia**, the increase in production of 10 percent or 0.006 million tons, compare 2017 production to previous year, the main reason came from the increase in both area and yield.

In the **Philippines**, the increase in production of 2.18 percent or 0.059 million tons (from 2.73 million tons in 2016 to 2.79 million tons in 2017). The increase in its production cause by the increase in planted area while yield was decrease due to cassava had smaller tubers harvested due to insufficient soil moisture.

In **Vietnam**, the increase in production of 3.09 percent or 0.34 million tons (from 10.93 million tons in 2016 to 11.26 million tons in 2017) came from the expansion in planted area due to farmers responded to price and the yield has increase.

Damaged Area

The cassava damaged area in 2017 in the ASEAN was reported to be 44,405 hectares. Most of the damaged area caused by draught about 88 percent (39,273 hectares) that occurred in Thailand. (Table 25, Figure 25)

Table 21 Cassava production in ASEAN countries, 2015–2017

Unit: 1,000 Tons

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	81,233.63	79,474.51	-1,759.11	-2.17	81,563.76	2,089.25	2.63
Brunei	0.17	0.18	0.01	3.00	0.18	0.00	0.00
Cambodia	13,222.25	13,386.69	164.44	1.24	13,386.69	0.00	0.00
Indonesia	20,260.68	19,045.61	-1,215.07	-6.00	23,123.47	4,077.87	21.41
Lao PDR	2,410.00	1,557.75	-852.25	-35.36	1,606.08	48.33	3.10
Malaysia	61.16	67.28	6.12	10.00	74.00	6.73	10.00
Myanmar	460.48	426.26	-34.22	-7.43	504.53	78.27	18.36
Philippines	2,732.57	2,792.02	59.45	2.18	2,893.03	101.01	3.62
Singapore	-	-	-	#DIV/0!	-	-	#DIV/0!
Thailand	31,161.10	30,935.53	-225.57	-0.72	28,565.77	-2,369.76	-7.66
Vietnam	10,925.21	11,263.20	337.99	3.09	11,410.00	146.80	1.30

Table 22 Cassava planted area in ASEAN countries, 2015–2017

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	3,757.63	3,678.00	-79.63	-2.12	3,688.97	10.96	0.30
Brunei	-	-	-	-	-	-	-
Cambodia	531.89	542.42	10.54	1.98	542.42	0.00	0.00
Indonesia	822.74	778.66	-44.08	-5.36	920.99	142.33	18.28
Lao PDR	75.81	46.50	-29.31	-38.66	47.80	1.30	2.80
Malaysia	3.55	3.69	0.14	4.00	3.84	0.15	4.00
Myanmar	36.24	36.69	0.45	1.24	38.57	1.88	5.13
Philippines	226.29	233.06	6.77	2.99	233.94	0.88	0.38
Singapore	-	-	-	-	-	-	-
Thailand	1,490.40	1,464.88	-25.52	-1.71	1,327.40	-137.48	-9.39
Vietnam	570.71	572.10	1.39	0.24	574.00	1.90	0.33

Table 23 Cassava harvested area in ASEAN countries, 2015–2017

Unit: 1,000 Hectares

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	3,712.70	3,633.60	-79.11	-2.13	3,648.21	14.61	0.40
Brunei	-	-	-	-	-	-	-
Cambodia	527.32	537.87	10.55	2.00	537.87	0.00	0.00
Indonesia	822.74	778.66	-44.08	-5.36	920.99	142.33	18.28
Lao PDR	75.81	46.50	-29.31	-38.66	47.80	1.30	2.80
Malaysia	3.15	3.19	0.04	1.40	3.24	0.04	1.40
Myanmar	36.24	36.61	0.38	1.03	38.56	1.95	5.32
Philippines	226.29	233.06	6.77	2.99	233.94	0.88	0.38
Singapore	-	-	-	-	-	-	-
Thailand	1,450.44	1,425.60	-24.84	-1.71	1,291.81	-133.79	-9.39
Vietnam	570.71	572.10	1.39	0.24	574.00	1.90	0.33

Note: Vietnam reported only planted area.

Table 24 Cassava yield in ASEAN countries, 2015–2017

Unit: Ton/Hectare

Country	2016 (2015/16)	2017 (2016/17)	change 2017 over 2016		2018 (2017/18)	change 2018 over 2017	
			Quantities	(%)		Quantities	(%)
ASEAN	21.88	21.87	-0.01	-0.05	22.36	0.49	2.24
Brunei	-	-	-	-	-	-	-
Cambodia	25.07	24.89	-0.18	-0.72	24.89	0.00	0.00
Indonesia	24.63	24.46	-0.17	-0.69	25.11	0.65	2.66
Lao PDR	31.79	33.50	1.71	5.38	33.60	0.10	0.30
Malaysia	19.43	21.08	1.65	8.49	22.86	1.78	8.44
Myanmar	12.71	11.64	-1.07	-8.42	13.08	1.44	12.37
Philippines	12.08	11.98	-0.10	-0.83	12.37	0.39	3.26
Singapore	-	-	-	-	-	-	-
Thailand	21.48	21.70	0.22	1.02	22.11	0.41	1.89
Vietnam	19.14	19.69	0.55	2.87	19.88	0.19	0.96

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

Table 25 Cassava damaged area in ASEAN by cause of damage, 2016

Country	Cause of Damage (Hectares)						Total
	Flood	Drought	Pests	Diseases	Others	Unspecitfy	
ASEAN	75	39,273	-	-	-	5,057	44,405
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	4,557	4,557
Indonesia	-	-	-	-	-	-	-
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	500	500
Myanmar	75	-	-	-	-	-	75
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	-	39,273	-	-	-	-	39,273
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

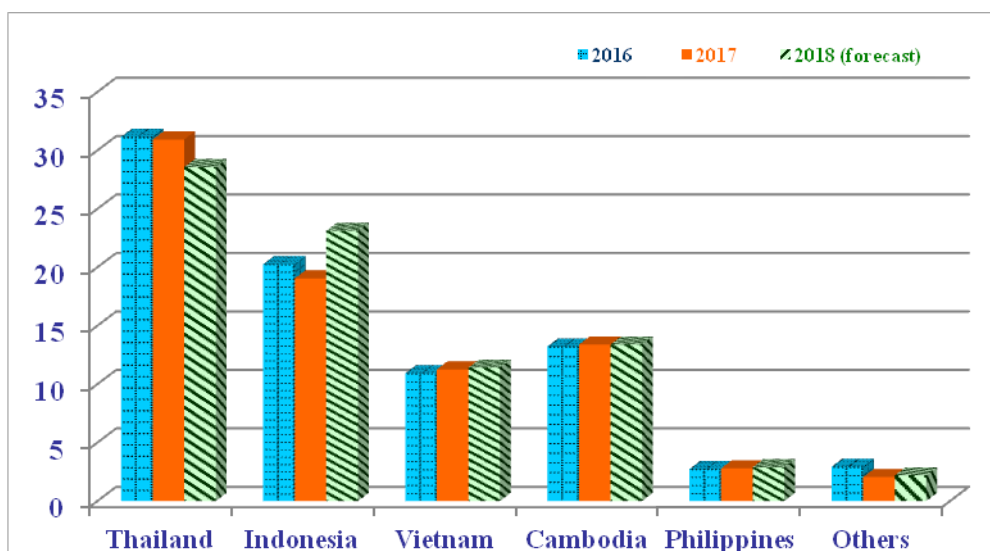


Figure 21 Cassava production of selected countries in ASEAN, 2015–2017

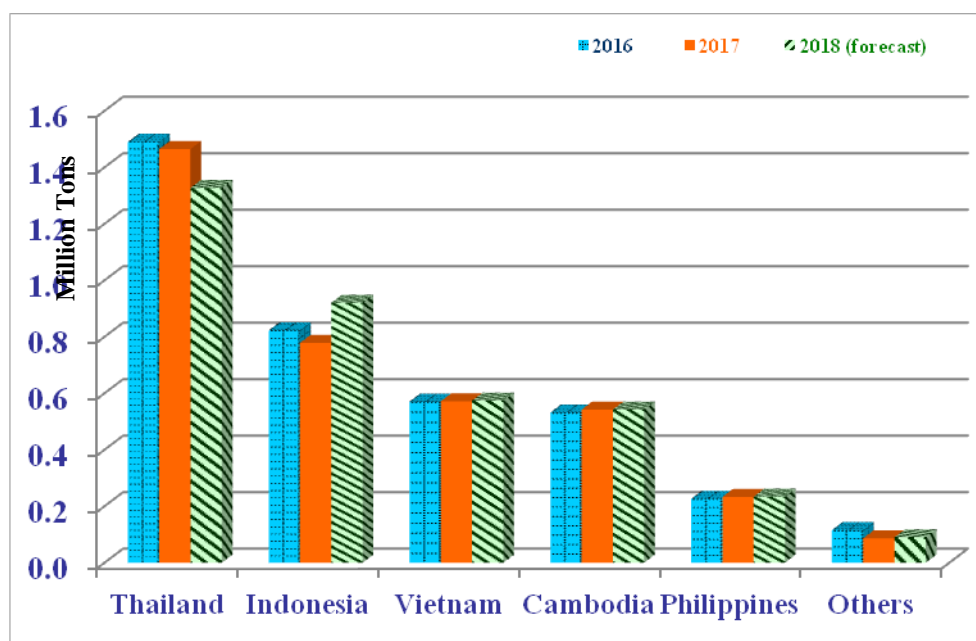


Figure 22 Cassava planted area of selected countries in ASEAN, 2015–2017

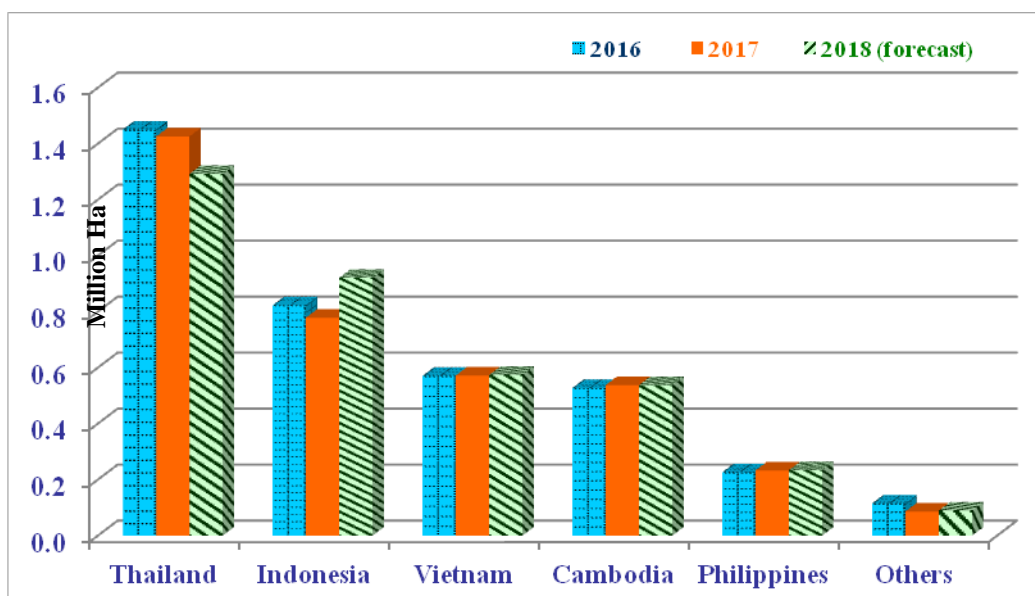


Figure 23 Cassava harvested area of selected countries in ASEAN, 2015–2017

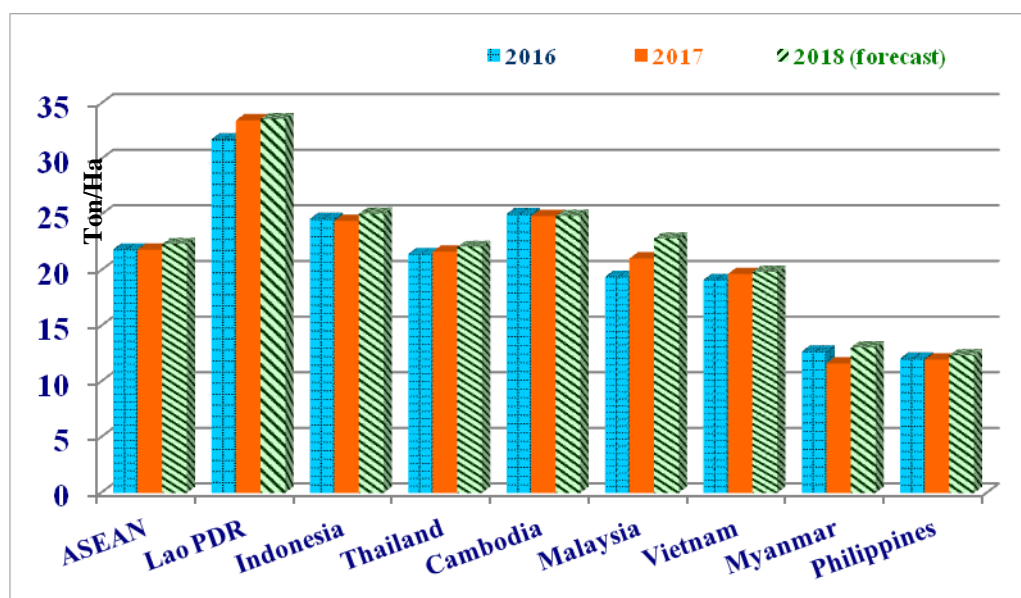


Figure 24 Cassava yield of countries in ASEAN, 2015–2017

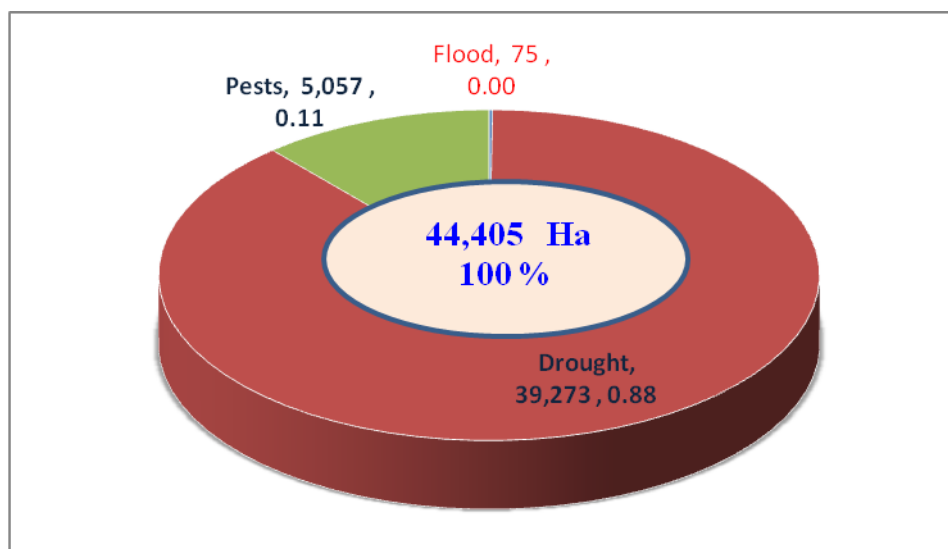


Figure 25 Soybean damaged area in ASEAN by cause of damage, 2016 (crop year 2015/16)