



# AFSIS

ASEAN Food Security Information System



## ASEAN FOOD SECURITY INFORMATION SYSTEM (AFSIS)

Report on Early Warning Information  
**No.21 Sept 2018**





## ASEAN Rice Situation in 2018

### Production

ASEAN paddy production in 2018 (crop year 2017/18) was estimated to be 224.09 million tons, an increase of 5.94 million tons or 2.72 percent compare to 2017 (crop year 2016/17) (218.15 million tons) was due to the increase in planted area and yield. Most of the producing countries expected an increase in production except Cambodia. (Table 1 – 4, Figure 1 – 4).

For **Cambodia**, the estimate production was 9.84 million tons, a decrease in production came from the decrease in both area and yield.

For **Indonesia**, the estimate production was 82.66 million tons, an increase in production came from the increase in planted area.

For **Lao PDR**, the estimate production was 4.23 million tons, an increase in production came from the increase 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 while yield is about the same as the previous year.

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

For **Thailand**, the estimate production was 33.49 million tons, a decrease in production came from the decline in yield due to the effect from a lot amount of precipitation cause by Talas and Sonca tropical storm.

In **Vietnam**, the estimate production was 43.98 million tons, an increase in production came from the increase in yield while the planted area were decrease.

### Damaged Area

The damaged area of paddy in ASEAN in 2018 (crop year 2017/18) was reported to be 0.85 million hectares. 83.53 percent or 0.71 million hectares of the damaged area caused by flood. The damage has occurred the most in Thailand about 0.69 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	(%)
<b>ASEAN</b>	<b>218,152.67</b>	<b>224,093.65</b>	<b>5,940.98</b>	<b>2.72</b>	<b>231,114.69</b>	<b>7,021.03</b>	<b>3.13</b>
Brunei	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cambodia	9,952.27	9,836.53	-115.74	-1.16	10,029.26	192.73	1.96
Indonesia	81,148.62	82,664.32	1,515.70	1.87	86,332.59	3,668.27	4.44
Lao PDR	4,055.41	4,234.00	178.59	4.40	4,297.75	63.75	1.51
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	27,708.24	60.58	0.22
Philippines	18,549.55	19,420.38	870.83	4.69	20,346.24	925.86	4.77
Singapore	-	-	-	-	-	-	-
Thailand	31,857.19	33,491.51	1,634.32	5.13	34,004.49	512.98	1.53
Vietnam	42,763.68	43,984.94	1,221.26	2.86	45,337.39	1,352.45	3.07

**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	(%)
<b>ASEAN</b>	<b>51,265.00</b>	<b>52,036.27</b>	<b>771.26</b>	<b>1.50</b>	<b>52,437.07</b>	<b>400.80</b>	<b>0.77</b>
Brunei	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cambodia	3,118.10	3,114.97	-3.13	-0.10	3,116.51	1.55	0.05
Indonesia	15,817.55	16,011.25	193.71	1.22	16,388.22	376.97	2.35
Lao PDR	995.22	1,008.20	12.99	1.30	1,021.19	12.98	1.29
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	7,286.50	30.21	0.42
Philippines	4,722.46	4,843.92	121.46	2.57	4,843.92	0.00	0.00
Singapore	-	-	-	-	-	-	-
Thailand	11,056.32	11,531.76	475.44	4.30	11,511.42	-20.34	-0.18
Vietnam	7,708.53	7,584.90	-123.63	-1.60	7,584.90	0.00	0.00

**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	(%)
<b>ASEAN</b>	<b>50,663.79</b>	<b>51,184.60</b>	<b>520.82</b>	<b>1.03</b>	<b>52,033.43</b>	<b>848.83</b>	<b>1.66</b>
Brunei	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cambodia	3,099.77	3,114.97	15.20	0.49	3,116.51	1.55	0.05
Indonesia	15,712.03	15,939.58	227.56	1.45	16,388.22	448.63	2.81
Lao PDR	963.75	1,008.20	44.45	4.61	1,021.19	12.98	1.29
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	7,182.68	13.77	0.19
Philippines	4,722.46	4,843.92	121.46	2.57	4,843.92	0.00	0.00
Singapore	-	-	-	-	-	-	-
Thailand	10,711.84	10,841.26	129.42	1.21	11,213.72	372.46	3.44
Vietnam	7,708.53	7,584.90	-123.63	-1.60	7,584.90	0.00	0.00

Note: Vietnam reported only planted area.

**Table 4 Paddy yield in ASEAN countries, 2017-2019**

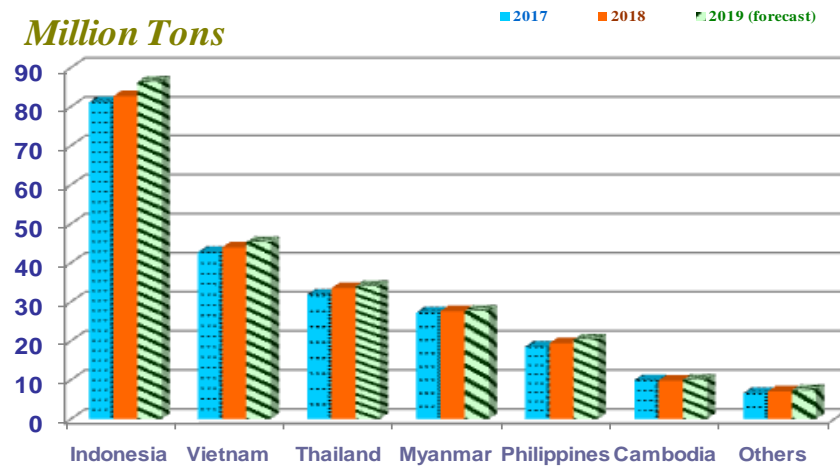
Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	change 2018 over 2017		2019 (2018/19)	change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>4.31</b>	<b>4.38</b>	<b>0.07</b>	<b>1.62</b>	<b>4.44</b>	<b>0.06</b>	<b>1.37</b>
Brunei	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Cambodia	3.21	3.16	-0.05	-1.56	3.22	0.06	1.90
Indonesia	5.16	5.19	0.03	0.58	5.27	0.08	1.54
Lao PDR	4.21	4.20	-0.01	-0.24	4.21	0.01	0.24
Malaysia	3.77	4.12	0.35	9.28	4.48	0.36	8.74
Myanmar	3.86	3.86	0.00	0.00	3.86	0.00	0.00
Philippines	3.93	4.01	0.08	2.04	4.20	0.19	4.74
Singapore	-	-	-	-	-	-	-
Thailand	2.97	3.09	0.12	4.04	3.03	-0.06	-1.94
Vietnam	5.55	5.80	0.25	4.50	5.98	0.18	3.10

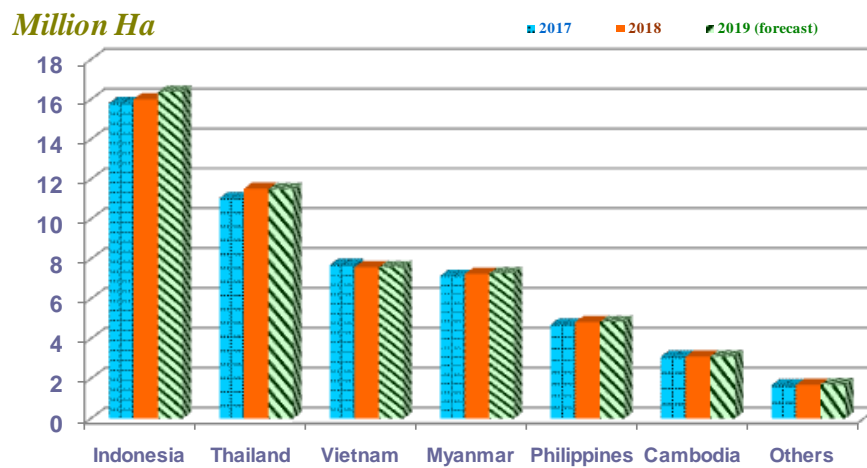
Note: Yield related to harvested area except Vietnam which related to planted area.

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

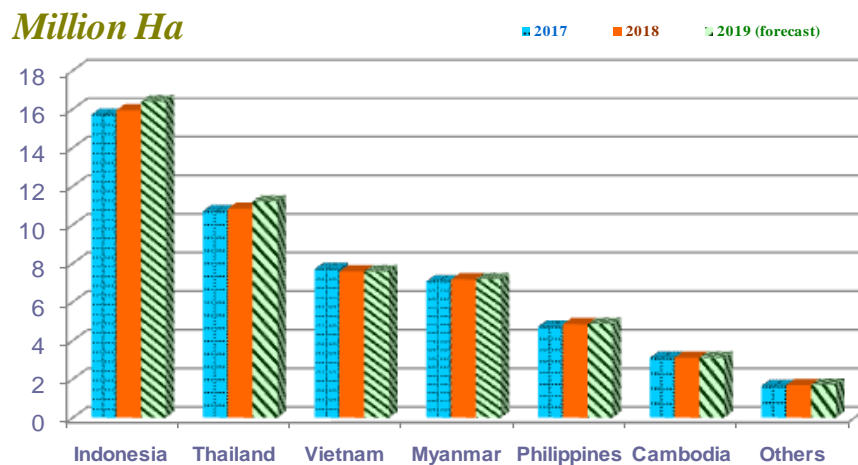
Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Other	Unspecified	Total
<b>ASEAN</b>	<b>711,378</b>	<b>31,963</b>	<b>54,388</b>	<b>19,696</b>	<b>32,116</b>	<b>2,123</b>	<b>851,664</b>
Brunei	-	-	-	-	-	-	0
Cambodia	-	-	-	-	-	-	0
Indonesia	37,477	31,963	2,227	-	-	-	71,666
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	55,196	-	61	-	32,116	-	87,373
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	618,706	-	52,100	19,696	-	-	690,502
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.



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

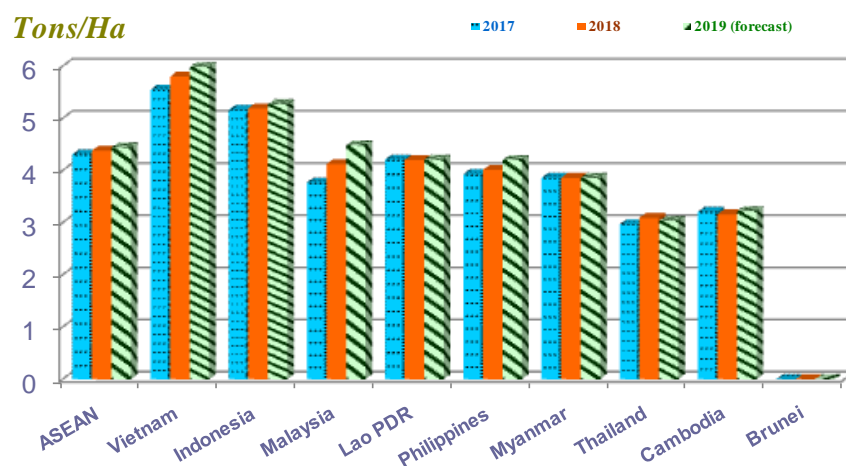


**Figure 2 Paddy planted area of selected countries in ASEAN, 2017-2019**

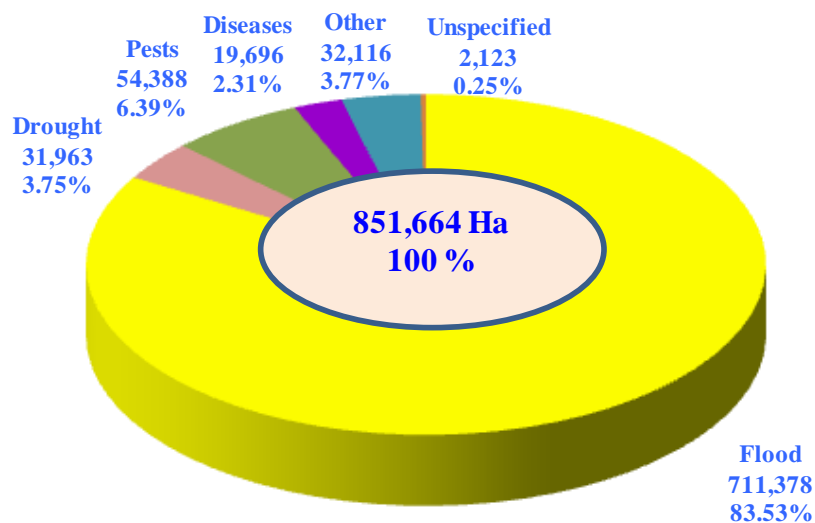


**Figure 3 Paddy harvested area of selected countries in ASEAN, 2017-2019**





**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 54.74 million tons, increase from 50.54 million tons in 2017 (crop year 2016/17) about 2 percent (1.20 million tons). The increase in production occurred in Indonesia (approximately 4 percent or 1.12 million tons), Myanmar (approximately 4 percent or 0.08 million tons) and Thailand (approximately 6 percent or 0.28 million tons). However, Cambodia, Lao PDR, the Philippines, and Vietnam were reported a decrease production. (Table 6 – 9, Figure 6 – 9).

For **Cambodia**, the production in 2018 was 0.63 million tons. A decrease compare to previous year came from the decrease in planted area while yield was increase.

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 1.24 million tons. A decrease compare to previous year came from the decrease 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**, the production in 2018 was 4.96 million tons. An increase compare to previous year came from the increase in planted area and yield.

For **Vietnam**, the production in 2018 was 4.98 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 2018 was reported to be 7,938 hectares. The total damaged area of 5,581 hectares caused by the flood which occurred in 2 countries namely, Indonesia (1,738 hectares) and Myanmar (3,843 hectares). Total drought area of 2,158 hectares was found in Indonesia (1,913 hectares) and Thailand (245 hectares). (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	(%)
<b>ASEAN</b>	<b>50,540.67</b>	<b>51,742.78</b>	<b>1,202.11</b>	<b>2.38</b>	<b>51,649.57</b>	<b>-93.20</b>	<b>-0.18</b>
Brunei	-	-	-	-	-	-	-
Cambodia	662.78	634.48	-28.30	-4.27	878.88	244.40	38.52
Indonesia	28,924.01	30,043.22	1,119.21	3.87	30,009.36	-33.85	-0.11
Lao PDR	1,252.14	1,235.00	-17.14	-1.37	1,240.00	5.00	0.40
Malaysia	-	-	-	-	-	-	-
Myanmar	1,830.96	1,909.64	78.68	4.30	1,690.55	-219.09	-11.47
Philippines	8,086.98	7,979.67	-107.32	-1.33	7,943.09	-36.57	-0.46
Singapore	-	-	-	-	-	-	-
Thailand	4,674.04	4,958.44	284.41	6.08	5,032.50	74.06	1.49
Vietnam	5,109.77	4,982.33	-127.43	-2.49	4,855.19	-127.15	-2.55

**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	(%)
<b>ASEAN</b>	<b>11,216.73</b>	<b>11,276.79</b>	<b>60.06</b>	<b>0.54</b>	<b>11,292.25</b>	<b>15.46</b>	<b>0.14</b>
Brunei	-	-	-	-	-	-	-
Cambodia	144.52	133.20	-11.32	-7.83	154.26	21.06	15.81
Indonesia	5,544.22	5,741.42	197.20	3.56	5,706.29	-35.14	-0.61
Lao PDR	225.20	200.40	-24.80	-11.01	205.00	4.60	2.30
Malaysia	-	-	-	-	-	-	-
Myanmar	490.17	504.47	14.30	2.92	515.68	11.21	2.22
Philippines	2,681.12	2,570.04	-111.08	-4.14	2,582.58	12.55	0.49
Singapore	-	-	-	-	-	-	-
Thailand	1,032.22	1,070.35	38.14	3.69	1,071.54	1.18	0.11
Vietnam	1,099.27	1,056.91	-42.37	-3.85	1,056.91	0.00	0.00

**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	(%)
<b>ASEAN</b>	<b>11,199.75</b>	<b>11,268.85</b>	<b>69.10</b>	<b>0.62</b>	<b>11,276.96</b>	<b>8.11</b>	<b>0.07</b>
Brunei	-	-	-	-	-	-	-
Cambodia	141.44	133.20	-8.24	-5.83	154.26	21.06	15.81
Indonesia	5,533.17	5,737.70	204.53	3.70	5,706.29	-31.42	-0.55
Lao PDR	225.20	200.40	-24.80	-11.01	205.00	4.60	2.30
Malaysia	-	-	-	-	-	-	-
Myanmar	488.11	500.62	12.52	2.56	514.57	13.95	2.79
Philippines	2,681.12	2,570.04	-111.08	-4.14	2,582.58	12.55	0.49
Singapore	-	-	-	-	-	-	-
Thailand	1,031.44	1,069.98	38.54	3.74	1,057.35	-12.63	-1.18
Vietnam	1,099.27	1,056.91	-42.37	-3.85	1,056.91	0.00	0.00



**Table 9 Maize Yield in ASEAN countries, 2017 – 2019**

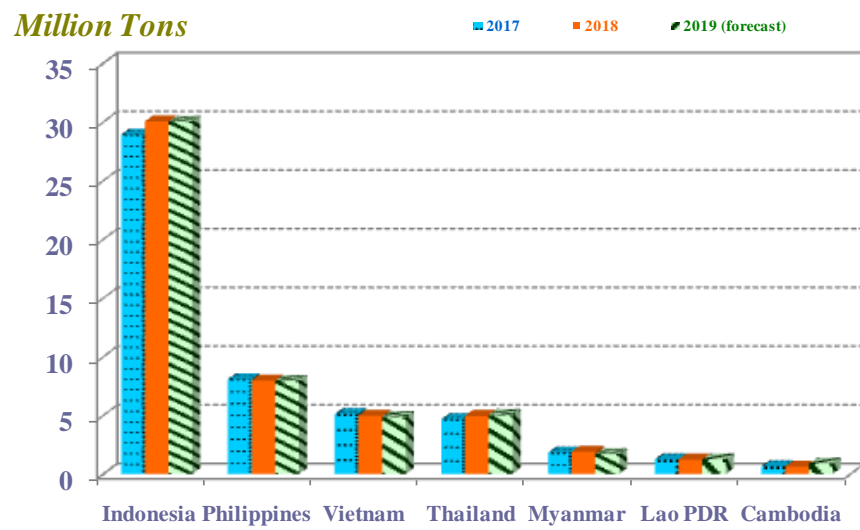
Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>4.51</b>	<b>4.59</b>	<b>0.08</b>	<b>1.77</b>	<b>4.58</b>	<b>-0.01</b>	<b>-0.22</b>
Brunei	-	-	-	-	-	-	-
Cambodia	4.69	4.76	0.07	1.49	5.70	0.94	19.75
Indonesia	5.23	5.24	0.01	0.19	5.26	0.02	0.38
Lao PDR	5.56	6.16	0.60	10.79	6.05	-0.11	-1.79
Malaysia	-	-	-	-	-	-	-
Myanmar	3.75	3.81	0.06	1.60	3.29	-0.52	-13.65
Philippines	3.02	3.10	0.08	2.65	3.08	-0.02	-0.65
Singapore	-	-	-	-	-	-	-
Thailand	4.53	4.63	0.10	2.21	4.76	0.13	2.81
Vietnam	4.65	4.71	0.06	1.29	4.59	-0.12	-2.55

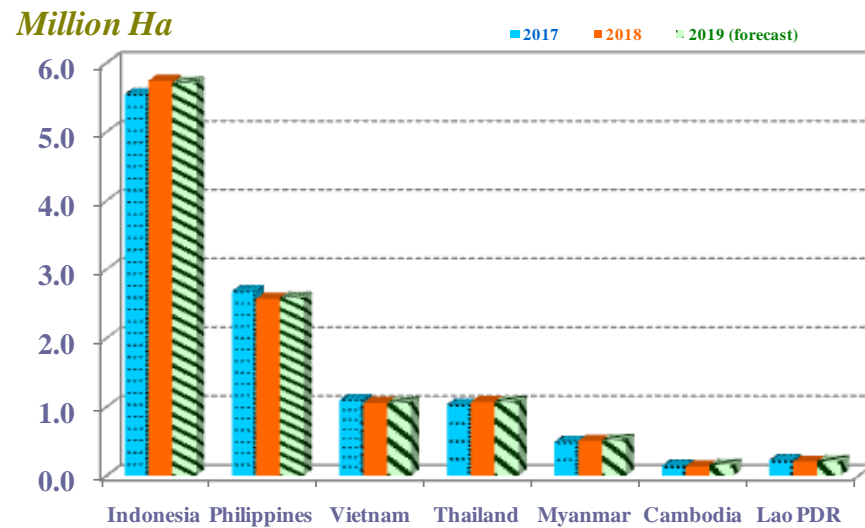
**Table 10 Maize damaged area in ASEAN by cause of damage, 2018**

Country	Cause of Damage (Hectares)						Total
	Flood	Drought	Pests	Diseases	Unspecified	Others	
<b>ASEAN</b>	<b>5,581</b>	<b>2,158</b>	<b>140</b>	<b>59</b>	<b>-</b>	<b>1</b>	<b>7,938</b>
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-	-
Indonesia	1,738	1,913	68	-	-	-	3,719
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	3,843	-	-	-	-	1	3,844
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	-	245	72	59	-	-	375
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

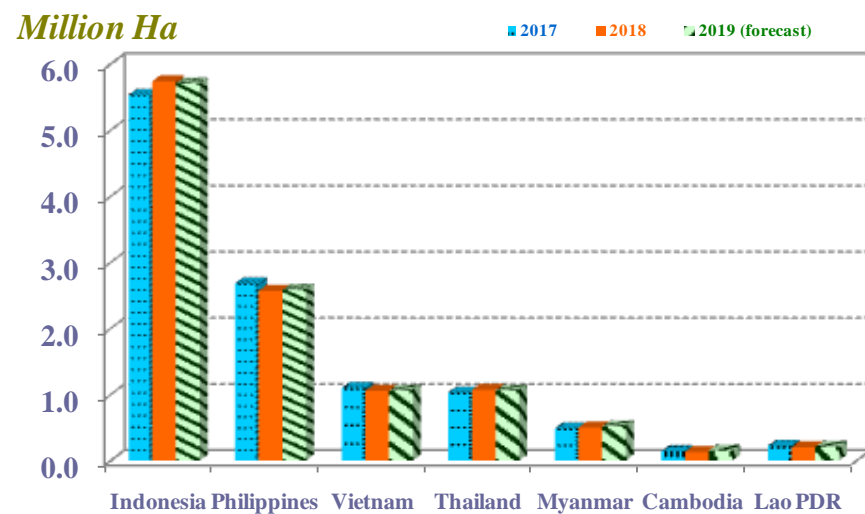
**Figure 6 Maize production of selected countries in ASEAN, 2017 – 2019**



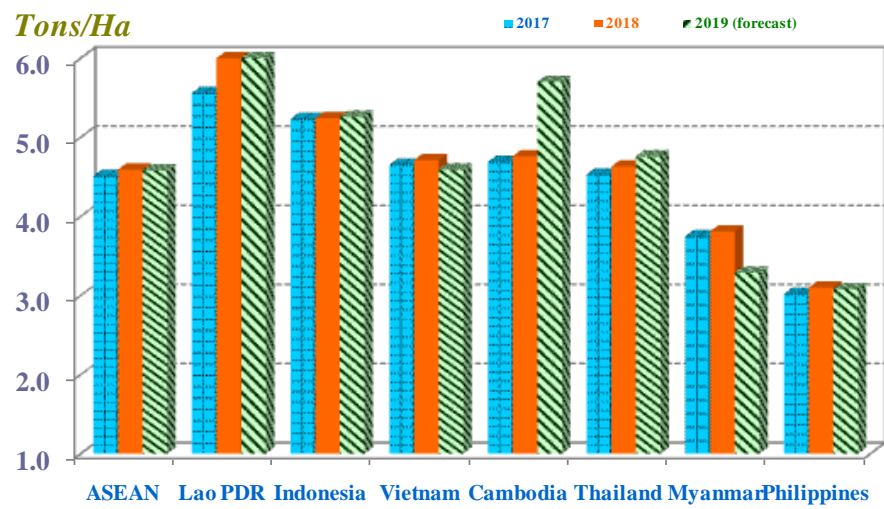
**Figure 7 Maize planted area of selected countries in ASEAN, 2017 – 2019**



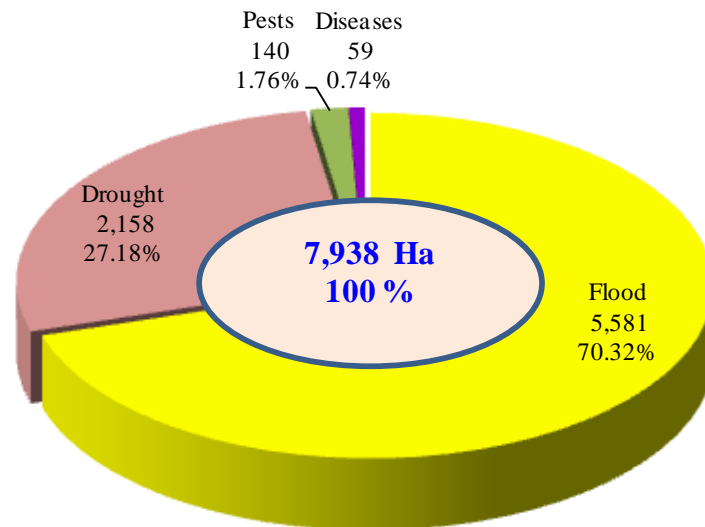
**Figure 8 Maize harvested area of selected countries in ASEAN, 2017 – 2019**



**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 223.29 million tons, an increase of 42.34 million tons from 180.95 million tons in 2017 (approximately 23 percent) came from the increase in production in Indonesia and Thailand. (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 32.28 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 decrease about 2 percent (0.05 million tons decrease) compare to 2017. The decrease was due to a decreasing in planted area due to unfavorable 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 25.60 million tons in 2017 to 24.76 million tons in 2018. The decrease in its production was due to farmer applied less fertilizer made not good 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 18.32 million tons in 2017 to 18.14 million tons in 2018. The decrease caused by the decrease in yield.

### Damaged Area

The sugarcane damaged area in ASEAN in 2018 was reported to be 71,417 hectares. 71,308 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	(%)
<b>ASEAN</b>	<b>180,949.44</b>	<b>223,290.42</b>	<b>42,340.98</b>	<b>23.40</b>	<b>225,382.94</b>	<b>2,092.52</b>	<b>0.94</b>
Brunei	-	-	-	-	-	-	-
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	2,069.23	2,019.00	-50.22	-2.43	2,430.00	411.00	20.36
Malaysia	-	-	-	-	-	-	-
Myanmar	10,437.06	10,370.04	-67.02	-0.64	10,030.01	-340.03	-3.28
Philippines	27,599.78	24,760.38	-2,839.40	-10.29	25,166.50	406.12	1.64
Singapore	-	-	-	-	-	-	-
Thailand	93,088.46	135,073.80	41,985.34	45.10	136,604.30	1,530.50	1.13
Vietnam	18,319.20	18,136.01	-183.19	-1.00	18,227.00	90.99	0.50

**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	(%)
<b>ASEAN</b>	<b>2,802.90</b>	<b>3,223.69</b>	<b>420.79</b>	<b>15.01</b>	<b>3,248.14</b>	<b>24.45</b>	<b>0.76</b>
Brunei	-	-	-	-	-	-	-
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	37.08	36.18	-0.90	-2.43	40.00	3.82	10.56
Malaysia	-	-	-	-	-	-	-
Myanmar	164.09	163.36	-0.72	-0.44	163.61	0.24	0.15
Philippines	416.34	422.46	6.12	1.47	429.39	6.93	1.64
Singapore	-	-	-	-	-	-	-
Thailand	1,459.66	1,854.02	394.36	27.02	1,868.55	14.53	0.78
Vietnam	280.40	280.40	0.00	0.00	279.00	-1.40	-0.50

**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	(%)
<b>ASEAN</b>	<b>2,745.74</b>	<b>3,152.28</b>	<b>406.53</b>	<b>14.81</b>	<b>3,176.28</b>	<b>24.00</b>	<b>0.76</b>
Brunei	-	-	-	-	-	-	-
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	37.08	36.18	-0.90	-2.43	40.00	3.82	10.56
Malaysia	-	-	-	-	-	-	-
Myanmar	163.65	163.25	-0.40	-0.24	163.61	0.35	0.22
Philippines	416.34	422.46	6.12	1.47	429.39	6.93	1.64
Singapore	-	-	-	-	-	-	-
Thailand	1,403.52	1,782.71	379.19	27.02	1,796.69	13.98	0.78
Vietnam	280.40	280.40	0.00	0.00	279.00	-1.40	-0.50

**Table 14 Sugarcane yield in ASEAN countries, 2017-2019**

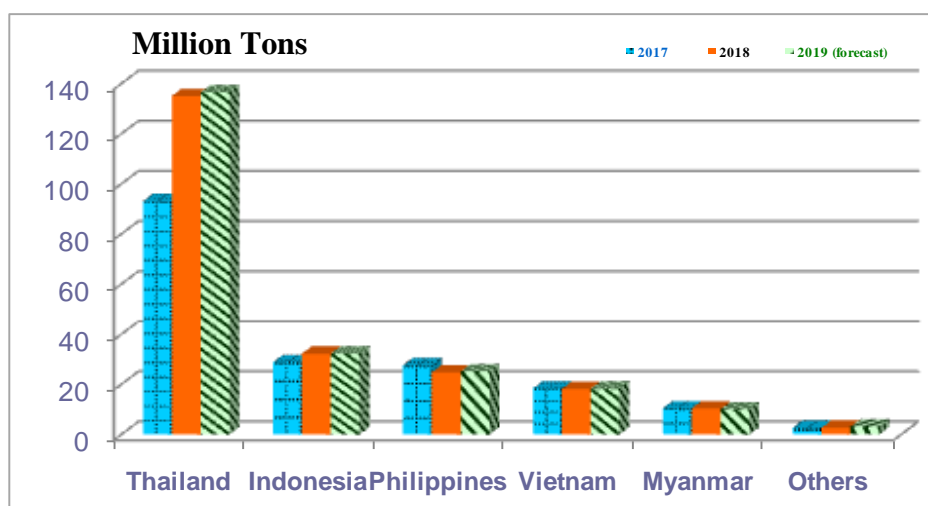
Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>65.90</b>	<b>70.83</b>	<b>4.93</b>	<b>7.48</b>	<b>70.96</b>	<b>0.13</b>	<b>0.18</b>
Brunei	-	-	-	-	-	-	-
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	55.80	55.80	0.00	0.00	60.75	4.95	8.87
Malaysia	-	-	-	-	-	-	-
Myanmar	63.78	63.52	-0.26	-0.41	61.31	-2.21	-3.48
Philippines	66.29	58.61	-7.68	-11.59	58.61	0.00	0.00
Singapore	-	-	-	-	-	-	-
Thailand	66.33	75.77	9.44	14.23	76.03	0.26	0.34
Vietnam	65.33	64.68	-0.65	-0.99	65.33	0.65	1.00

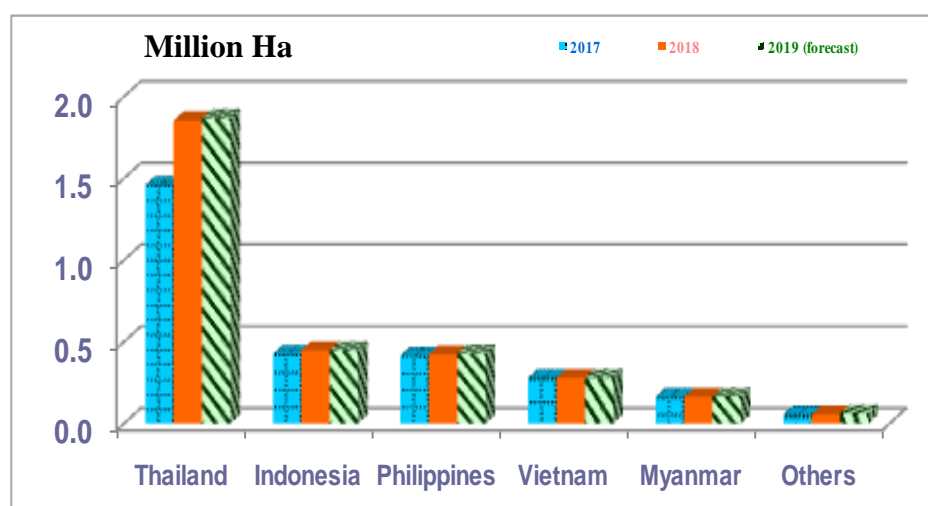
**Table 15 Sugarcane damaged area in ASEAN by cause of damage, 2018**

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Others	Unspecified	Total
<b>ASEAN</b>	<b>45,109</b>	<b>26,308</b>	-	-	-	-	<b>71,417</b>
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-
Lao PDR.	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	109	-	-	-	-	-	109
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	45,000	26,308	-	-	-	-	71,308
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

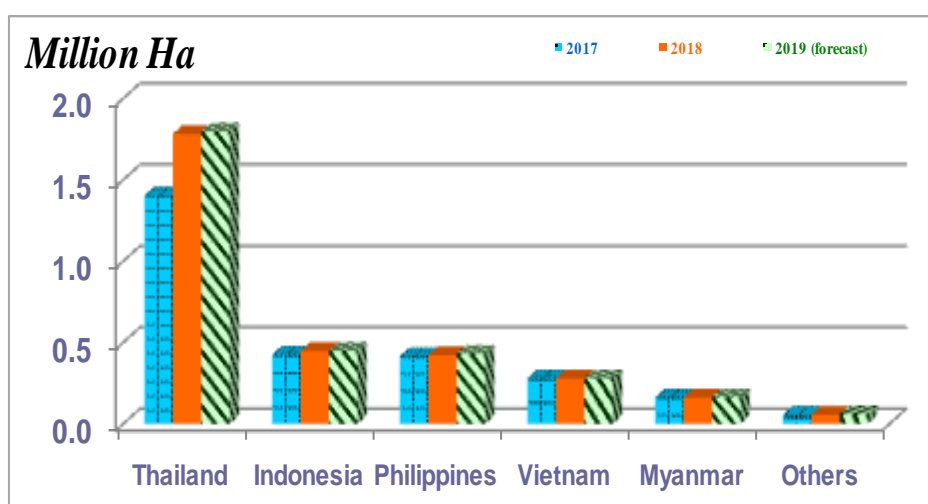




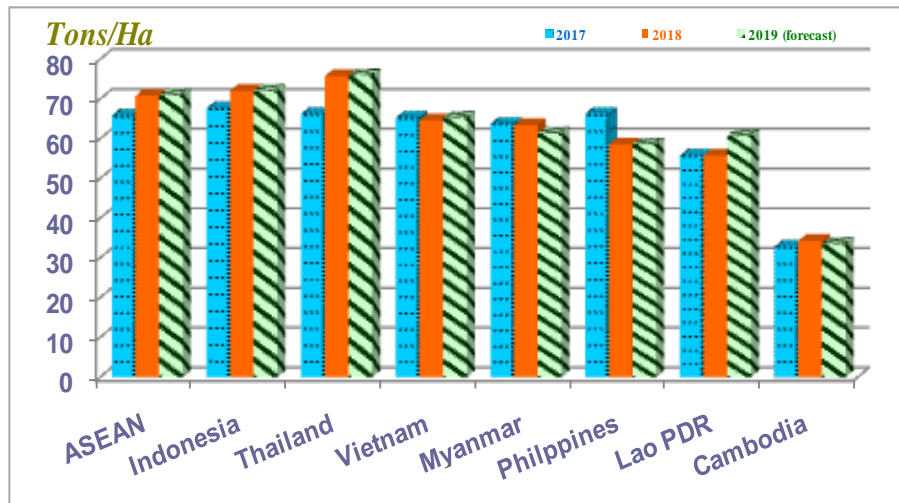
**Figure 11 Sugarcane production of selected countries in ASEAN, 2017-2019**



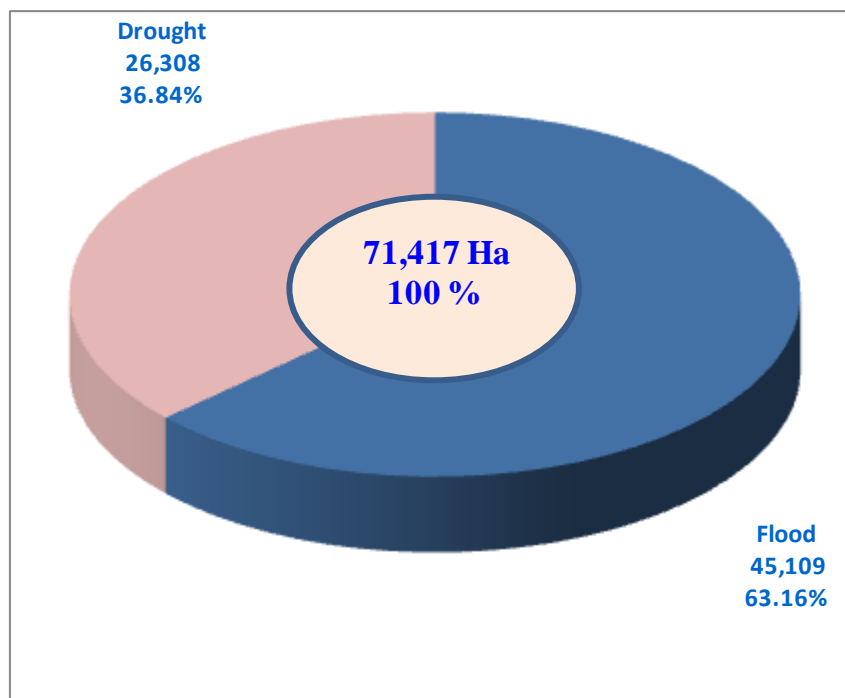
**Figure 12 Sugarcane planted area of selected countries in ASEAN, 2017-2019**



**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 1.46 million tons, was increase from 1.01 million tons in 2017 (crop year 2016/ 17). The increase in production caused by the increase of production in 3 countries Indonesia, Thailand and Vietnam. (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 expand in planted area.

**Cambodia**, the soybean production reported to be decrease from 0.095 million tons in 2017 to 0.090 million tons in 2018. The decrease in production was due to the decrease in planted area and yield.

**Lao PDR**, the soybean production reported to be decrease from 0.019 million tons in 2017 to 0.018 million tons in 2018. The decrease in production was due to the decrease in both planted area and yield due to the unfavorable weather.

**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 due to farmers respond to price decreased.

The **Philippines**, the soybean production reported to be decrease due to the decrease in yield while the planted area is slight increase.

**Thailand**, the soybean production reported to be increase from 0.040 million tons in 2017 to 0.045 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 increase from 0.10 million tons in 2017 to 0.11 million tons in 2018. The increase in production was due to the increase in yield.

### Damaged Area

The damaged area of soybean in ASEAN in 2018 (crop year 2017/18) was reported to be 557 hectares. About 56 percent or 312 hectares of the damaged area caused by drought and about 33 percent or 182 hectares of the damaged area caused by flood. 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	(%)
<b>ASEAN</b>	<b>1,010.88</b>	<b>1,458.72</b>	<b>447.85</b>	<b>44.30</b>	<b>1,521.39</b>	<b>62.67</b>	<b>4.30</b>
Brunei	-	-	-	-	-	-	-
Cambodia	95.00	90.11	-4.89	-5.15	87.16	-2.94	-3.27
Indonesia	538.73	982.60	443.87	82.39	1,060.17	77.57	7.89
Lao PDR	19.26	18.34	-0.92	-4.78	18.25	-0.09	-0.49
Malaysia	-	-	-	-	-	-	-
Myanmar	214.83	209.48	-5.36	-2.49	207.08	-2.40	-1.15
Philippines	0.86	0.64	-0.22	-25.11	0.48	-0.16	-25.11
Singapore	-	-	-	-	-	-	-
Thailand	40.34	44.97	4.63	11.48	44.63	-0.35	-0.77
Vietnam	101.86	112.59	10.73	10.53	103.62	-8.96	-7.96

**Table 17 Soybean planted area 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	(%)
<b>ASEAN</b>	<b>646.82</b>	<b>954.59</b>	<b>307.78</b>	<b>47.58</b>	<b>955.14</b>	<b>0.55</b>	<b>0.06</b>
Brunei	-	-	-	-	-	-	-
Cambodia	42.66	41.95	-0.71	-1.66	41.25	-0.70	-1.66
Indonesia	357.27	680.76	323.49	90.55	681.98	1.22	0.18
Lao PDR	12.09	11.75	-0.34	-2.81	11.70	-0.05	-0.43
Malaysia	-	-	-	-	-	-	-
Myanmar	143.18	139.80	-3.38	-2.36	140.39	0.59	0.42
Philippines	0.51	0.54	0.03	6.85	0.54	0.00	0.00
Singapore	-	-	-	-	-	-	-
Thailand	23.12	25.28	2.16	9.34	24.77	-0.51	-2.02
Vietnam	67.99	54.51	-13.48	-19.83	54.51	0.00	0.00

**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	(%)
<b>ASEAN</b>	<b>645.07</b>	<b>954.11</b>	<b>309.04</b>	<b>47.91</b>	<b>955.08</b>	<b>0.97</b>	<b>0.10</b>
Brunei	-	-	-	-	-	-	-
Cambodia	42.66	41.95	-0.71	-1.66	41.25	-0.70	-1.66
Indonesia	355.80	680.37	324.57	91.22	681.98	1.60	0.24
Lao PDR	12.09	11.75	-0.34	-2.81	11.70	-0.05	-0.43
Malaysia	-	-	-	-	-	-	-
Myanmar	143.01	139.74	-3.27	-2.29	140.39	0.65	0.46
Philippines	0.51	0.54	0.03	6.85	0.54	0.00	0.00
Singapore	-	-	-	-	-	-	-
Thailand	23.01	25.24	2.23	9.70	24.71	-0.53	-2.11
Vietnam	67.99	54.51	-13.48	-19.83	54.51	0.00	0.00

Note: Vietnam reported only planted area.

**Table 19 Soybean yield in ASEAN countries, 2017 – 2019**

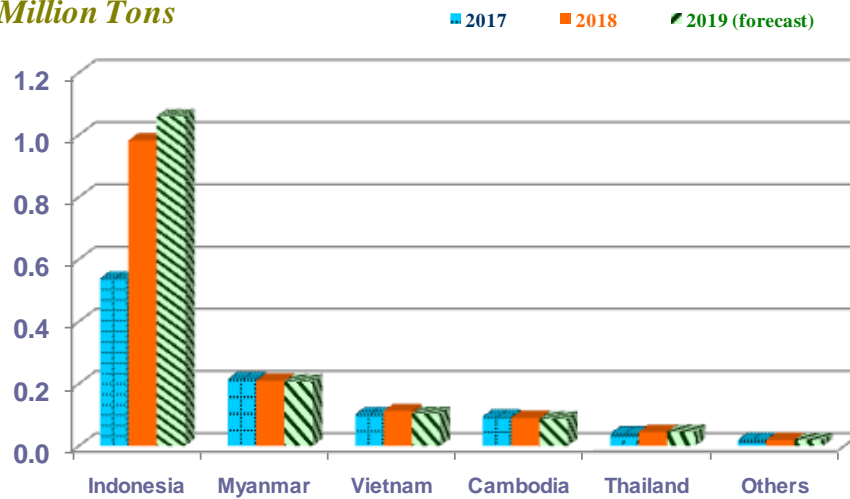
Unit: Ton/Hectare

Country	2017 (2016/17)	2018 (2017/18)	Change 2018 over 2017		2019 (2018/19)	Change 2019 over 2018	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>1.57</b>	<b>1.53</b>	<b>-0.04</b>	<b>-2.44</b>	<b>1.59</b>	<b>0.06</b>	<b>4.19</b>
Brunei	-	-	-	-	-	-	-
Cambodia	2.23	2.15	-0.08	-3.59	2.11	-0.04	-1.73
Indonesia	1.51	1.44	-0.07	-4.62	1.55	0.11	7.64
Lao PDR	1.59	1.56	-0.03	-1.89	1.56	0.00	-0.01
Malaysia	-	-	-	-	-	-	-
Myanmar	1.50	1.50	0.00	0.00	1.48	-0.02	-1.66
Philippines	1.69	1.18	-0.50	-29.91	0.89	-0.30	-25.11
Singapore	-	-	-	-	-	-	-
Thailand	1.75	1.78	0.03	1.62	1.81	0.02	1.37
Vietnam	1.50	2.07	0.57	37.87	1.90	-0.16	-7.96

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

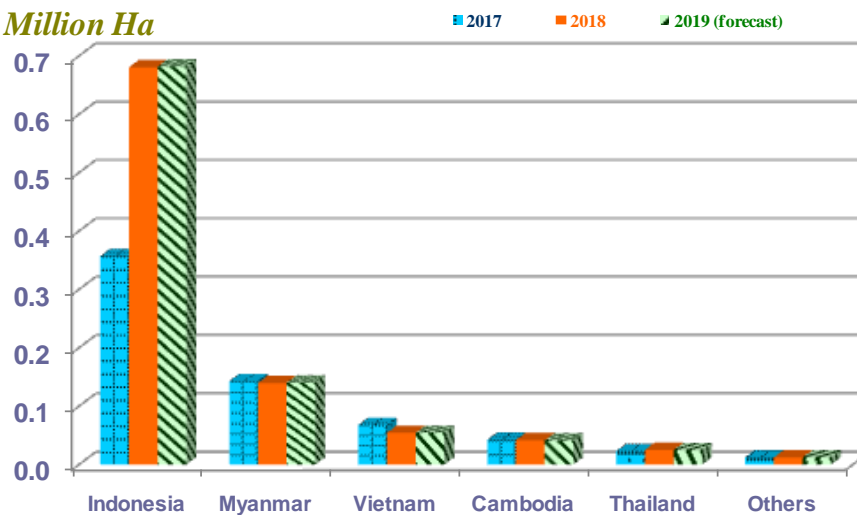
Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Others	Unspecified	Total
<b>ASEAN</b>	<b>182</b>	<b>312</b>	<b>27</b>	<b>31</b>	<b>-</b>	<b>5</b>	<b>557</b>
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	5	5
Indonesia	121	265	-	-	-	-	386
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	61	-	-	-	-	-	61
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	-	47	27	31	-	-	105
Vietnam	-	-	-	-	-	-	-

*Million Tons*



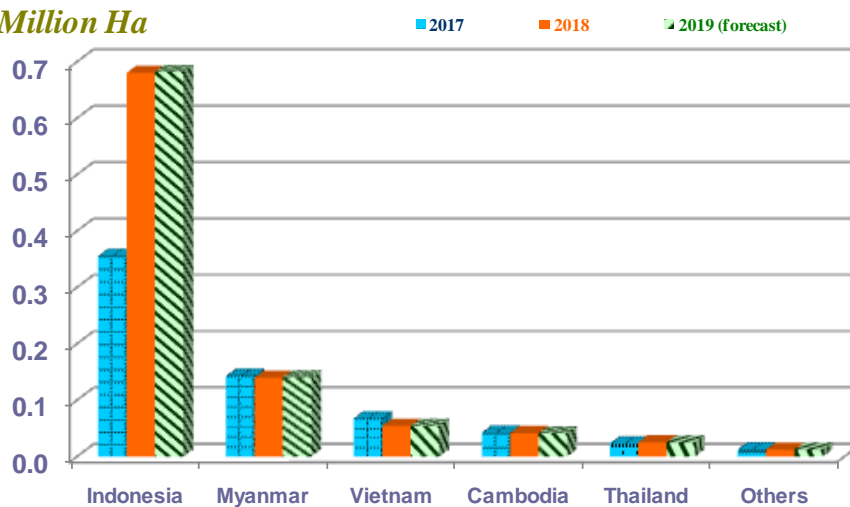
**Figure 16 Soybean production of selected countries in ASEAN, 2016 – 2018**

*Million Ha*



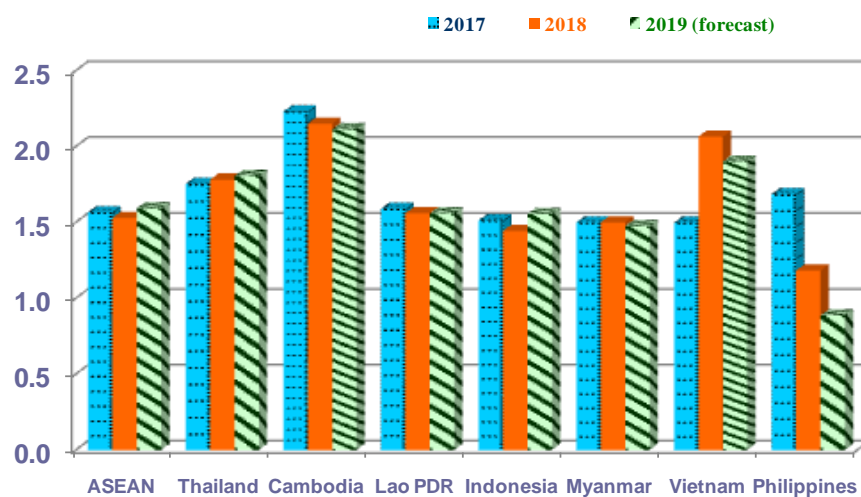
**Figure 17 Soybean planted area of selected countries in ASEAN, 2016 – 2018**

*Million Ha*

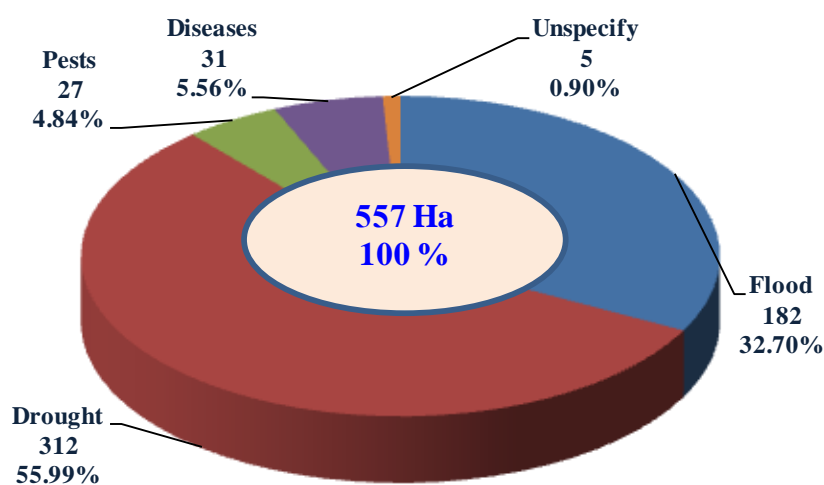


**Figure 18 Soybean harvested area of selected countries in ASEAN, 2016 – 2018**





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



**Figure 20 Soybean damaged area in ASEAN by cause of damage, 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 about 4 percent or 3.01 million tons compare to previous year (from 80.39 million tons in 2017 to 77.31 million tons in 2018). The decrease in production found in 5 countries, Cambodia, Lao PDR, Myanmar, the Philippines and Thailand. 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 7 percent or around 1 million tons (from 14.82 million tons in 2017 to 13.82 million tons in 2018). The cause of production decrease was due to the decline in planted area while the yield was increase.

**Lao PDR** reported a decrease in production of 0.25 percent or 0.06 million tons (from 2.42 million tons in 2017 to 2.41 million tons in 2018). The decreases due to the decline in planted area by unfavorable weather while a yield was increase due to farmer use more fertilizers.

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 from farmers respond to price decrease and the decreased in demand while yield was increase by favorable weather.

For **Thailand**, the production reported to be decreased about 9 percent or 2.62 million tons (from 30.50 million tons in 2017 to 27.88 million tons in 2018). The decrease in production was due to the decline in planted area from farmers respond to price decrease and yield decrease by effect from exceed of precipitation.

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 farmers respond to the decrease of compete price while the yield is decrease due to farmers give less intensive assistance.

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.

In **Vietnam**, the increase in production of 3.12 percent or 0.32 million tons (from 10.34 million tons in 2017 to 10.66 million tons in 2018) came from the yield has increase.

### Damaged Area

The cassava damaged area in 2018 in the ASEAN was reported to be 31,876 hectares. Most of the damaged area caused by flood about 94 percent (30,046 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	(%)
<b>ASEAN</b>	<b>80,387.30</b>	<b>77,307.91</b>	<b>-3,079.40</b>	<b>-3.83</b>	<b>82,300.33</b>	<b>4,992.42</b>	<b>6.46</b>
Brunei	0.00	0.00	0.00	-	0.00	0.00	-
Cambodia	14,819.02	13,817.26	-1,001.75	-6.76	13,817.26	0.00	0.00
Indonesia	19,053.75	19,341.23	287.49	1.51	22,980.22	3,638.98	18.81
Lao PDR	2,416.04	2,410.00	-6.04	-0.25	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	409.32	10.57	2.65
Philippines	2,792.02	2,753.55	-38.47	-1.38	2,786.88	33.33	1.21
Singapore	-	-	-	-	-	-	-
Thailand	30,495.19	27,875.46	-2,619.73	-8.59	29,974.64	2,099.17	7.53
Vietnam	10,340.80	10,663.00	322.20	3.12	10,637.00	-26.00	-0.24

**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	(%)
<b>ASEAN</b>	<b>3,758.21</b>	<b>3,588.43</b>	<b>-169.78</b>	<b>-4.52</b>	<b>3,734.96</b>	<b>146.53</b>	<b>4.08</b>
Brunei	-	-	-	-	-	-	-
Cambodia	684.07	613.91	-70.16	-10.26	613.91	0.00	0.00
Indonesia	773.46	792.99	19.52	2.52	894.87	101.88	12.85
Lao PDR	76.00	75.61	-0.39	-0.51	49.00	-26.61	-35.19
Malaysia	3.21	3.34	0.13	4.00	3.47	0.13	4.00
Myanmar	36.69	34.71	-1.97	-5.38	37.29	2.58	7.44
Philippines	234.64	230.60	-4.04	-1.72	236.96	6.35	2.75
Singapore	-	-	-	-	-	-	-
Thailand	1,426.94	1,314.07	-112.88	-7.91	1,376.26	62.19	4.73
Vietnam	523.20	523.20	0.00	0.00	523.20	0.00	0.00

**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	(%)
<b>ASEAN</b>	<b>3,715.44</b>	<b>3,556.55</b>	<b>-158.88</b>	<b>-4.28</b>	<b>3,701.61</b>	<b>145.06</b>	<b>4.08</b>
Brunei	-	-	-	-	-	-	-
Cambodia	675.13	612.86	-62.27	-9.22	612.86	0.00	0.00
Indonesia	772.98	792.95	19.98	2.58	894.87	101.92	12.85
Lao PDR	76.00	75.61	-0.39	-0.51	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	37.29	2.59	7.46
Philippines	234.64	230.60	-4.04	-1.72	236.96	6.35	2.75
Singapore	-	-	-	-	-	-	-
Thailand	1,394.32	1,284.02	-110.29	-7.91	1,344.79	60.77	4.73
Vietnam	523.20	523.20	0.00	0.00	523.20	0.00	0.00

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	(%)
<b>ASEAN</b>	<b>21.64</b>	<b>21.74</b>	<b>0.10</b>	<b>0.46</b>	<b>22.23</b>	<b>0.49</b>	<b>2.25</b>
Brunei	-	-	-	-	-	-	-
Cambodia	21.95	22.55	0.60	2.73	22.55	0.00	0.00
Indonesia	24.65	24.39	-0.26	-1.05	25.68	1.29	5.29
Lao PDR	31.79	31.87	0.08	0.25	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	10.98	-0.51	-4.44
Philippines	11.90	11.94	0.04	0.34	11.76	-0.18	-1.51
Singapore	-	-	-	-	-	-	-
Thailand	21.87	21.71	-0.16	-0.73	22.29	0.58	2.67
Vietnam	19.76	20.38	0.62	3.14	20.33	-0.05	-0.25

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	
<b>ASEAN</b>	<b>30,089</b>	-	-	-	-	<b>1,787</b>	<b>31,876</b>
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	1,051	<b>1,051</b>
Indonesia	35	-	-	-	-	-	<b>35</b>
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	736	<b>736</b>
Myanmar	8	-	-	-	-	-	<b>8</b>
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	30,046	-	+-	-	-	-	<b>30,046</b>
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<b>n.a.</b>

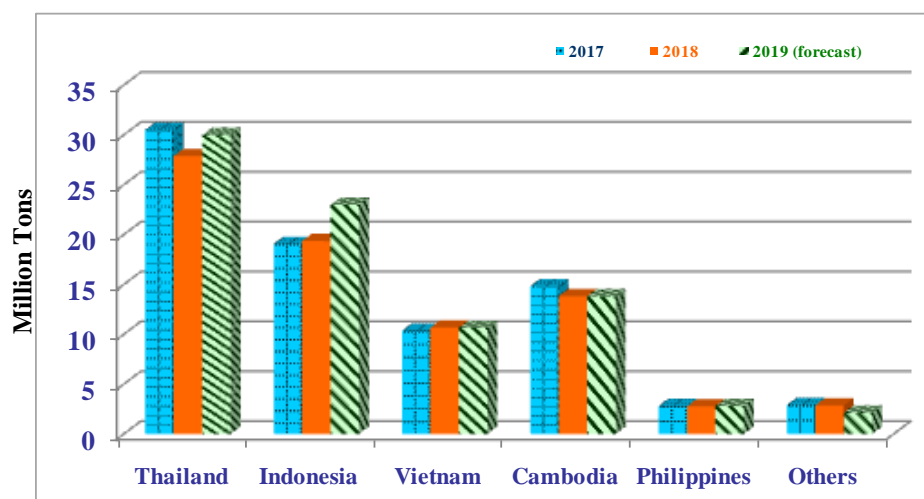


Figure 21 Cassava production of selected countries in ASEAN, 2017–2019

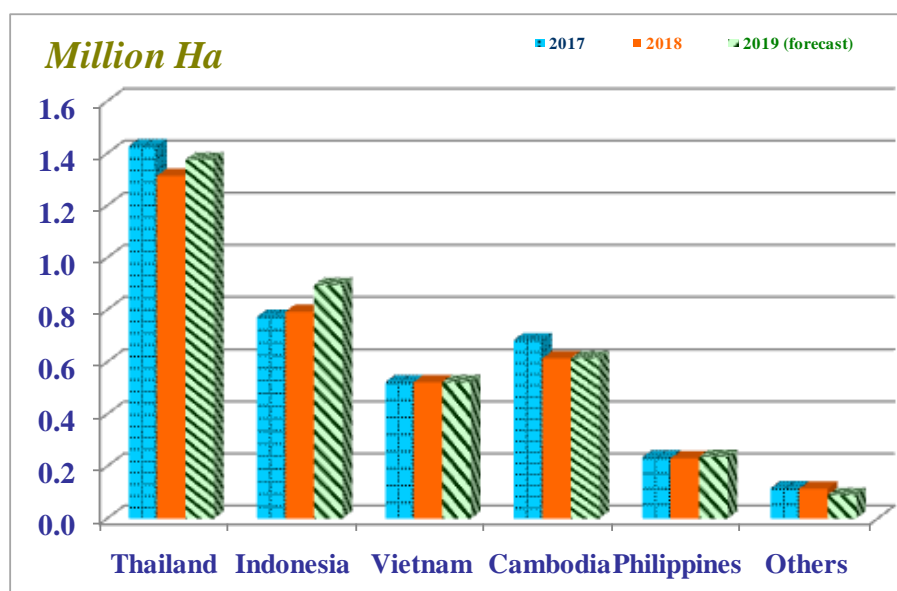


Figure 22 Cassava planted area of selected countries in ASEAN, 2017–2019

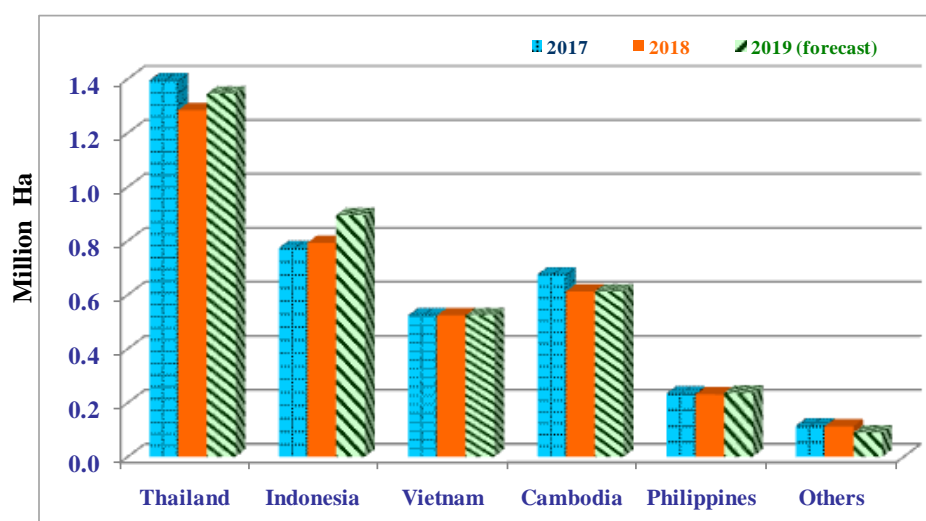


Figure 23 Cassava harvested area of selected countries in ASEAN, 2017–2019

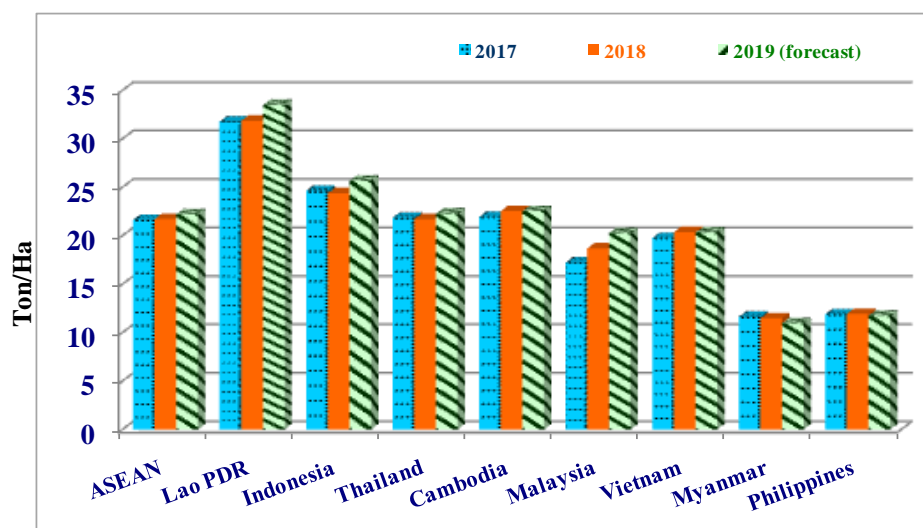


Figure 24 Cassava yield of countries in ASEAN, 2017–2019

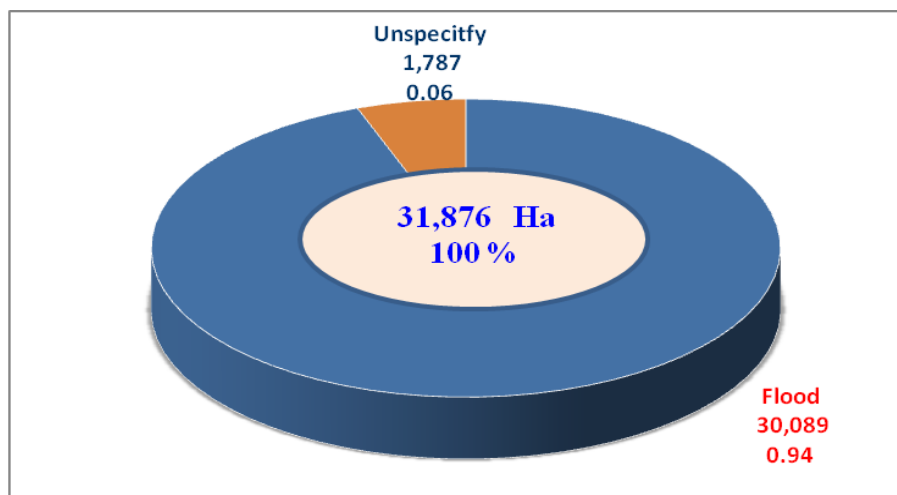


Figure 25 Soybean damaged area in ASEAN by cause of damage, 2018 (2017/18)