



# ASEAN FOOD SECURITY INFORMATION SYSTEM (AFSIS)

Report on Early Warning Information  
No.18 March 2017



**AFSIS**

ASEAN Food Security Information System



No. 18 March 2017

## ASEAN Rice Situation in 2016

### Production

ASEAN paddy production in 2016 (crop year 2015/16) was estimated to be 213.18 million tons, the slightly decrease of 2,319 tons or 1.08 percent compare to 2015 (215.50 million tons) was due to the decline in planted area and yield. Brunei, Myanmar, the Philippines, Thailand, and Vietnam are expected a decrease in production, while the others are expected an increase in production. (Table 1 – 4, Figure 1 – 4).

For **Brunei**, the decrease in production attributed to the decrease in yield. The area has increased because of the government policy and favorable weather.

For **Cambodia**, the estimate production was 9.34 million tons, a slight increase was due to the increase in yield.

For **Indonesia**, the estimate production was 79.17 million tons, an increase in production came from the increase in planted area.

For **Lao PDR**, the estimate production was 4.12 million tons, a decrease in production came from the decrease in area and yield.

For **Malaysia**, the estimate production was 3.49 million tons, an increase in production derived from the increase in planted area and yield.

For **Myanmar**, the estimate production was 27.72 million tons, a decrease in production came from the decrease in yield.

For **the Philippines**, the estimate production was 17.47 million tons, a decrease in production derived from the decrease in planted area and yield.

For **Thailand**, the estimate production was 28.09 million tons, a decrease in production derived from the decrease in planted area and yield.

In **Vietnam**, the estimate production was 43.77 million tons, a decrease in production derived from the decrease in area and yield.

### Damaged Area

The damaged area of paddy in ASEAN in 2016 (crop year 2015/16) was reported to be 0.70 million hectares. 73.95 percent or 0.52 million hectares of the damaged area caused by drought. The damage has occurred the most in Thailand about 0.44 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, 2015-2017**

Unit: 1,000 Tons

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>215,502.82</b>	<b>213,183.70</b>	<b>-2,319.12</b>	<b>-1.08</b>	<b>222,183.83</b>	<b>9,000.13</b>	<b>4.22</b>
Brunei	3.05	2.44	-0.62	-20.16	2.51	0.07	3.00
Cambodia	9,324.42	9,335.28	10.87	0.12	9,814.20	478.91	5.13
Indonesia	75,397.84	79,171.92	3,774.08	5.01	80,656.27	1,484.36	1.87
Lao PDR	4,102.00	4,121.30	19.30	0.47	4,339.47	218.17	5.29
Malaysia	2,738.48	3,492.08	753.60	27.52	3,692.57	200.49	5.74
Myanmar	28,193.08	27,724.59	-468.48	-1.66	30,637.01	2,912.42	10.50
Philippines	18,911.48	17,473.17	-1,438.31	-7.61	17,627.36	154.20	0.88
Singapore	-	-	-	-	-	-	-
Thailand	31,616.88	28,088.23	-3,528.65	-11.16	31,982.59	3,894.36	13.86
Vietnam	45,215.60	43,774.70	-1,440.90	-3.19	43,431.85	-342.85	-0.78

**Table 2 Paddy planted area in ASEAN countries, 2015-2017**

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>50,066.85</b>	<b>49,626.72</b>	<b>-440.12</b>	<b>-0.88</b>	<b>50,738.87</b>	<b>1,112.14</b>	<b>2.24</b>
Brunei	1.43	1.53	0.10	6.98	1.58	0.05	3.00
Cambodia	3,055.51	3,051.41	-4.10	-0.13	3,097.65	46.24	1.52
Indonesia	14,513.79	15,077.67	563.88	3.89	15,087.19	9.52	0.06
Lao PDR	984.93	975.22	-9.72	-0.99	1,017.49	42.28	4.33
Malaysia	682.12	715.30	33.18	4.86	730.15	14.84	2.08
Myanmar	7,172.14	7,211.89	39.75	0.55	7,518.20	306.31	4.25
Philippines	4,741.81	4,561.23	-180.59	-3.81	4,592.29	31.06	0.68
Singapore	-	-	-	-	-	-	-
Thailand	11,080.22	10,259.88	-820.34	-7.40	10,905.33	645.45	6.29
Vietnam	7,834.90	7,772.60	-62.30	-0.80	7,789.00	16.40	0.21

**Table 3 Paddy harvested area in ASEAN countries, 2015-2017**

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>49,147.16</b>	<b>48,925.29</b>	<b>-221.87</b>	<b>-0.45</b>	<b>50,410.07</b>	<b>1,484.78</b>	<b>3.03</b>
Brunei	1.30	1.39	0.09	6.98	1.44	0.04	3.01
Cambodia	3,028.84	3,025.63	-3.21	-0.11	3,079.45	53.82	1.78
Indonesia	14,116.64	15,044.96	928.32	6.58	15,087.19	42.23	0.28
Lao PDR	965.15	972.38	7.23	0.75	1,017.49	45.11	4.64
Malaysia	678.40	711.44	33.04	4.87	726.20	14.76	2.08
Myanmar	7,152.52	7,101.11	-51.41	-0.72	7,518.20	417.09	5.87
Philippines	4,704.49	4,522.79	-181.70	-3.86	4,555.92	33.13	0.73
Singapore	-	-	-	-	-	-	-
Thailand	10,664.92	9,772.99	-891.93	-8.36	10,635.19	862.20	8.82
Vietnam	7,834.90	7,772.60	-62.30	-0.80	7,789.00	16.40	0.21

Note: Vietnam reported only planted area.

**Table 4 Paddy yield in ASEAN countries, 2015-2017**

Unit: Ton/Hectare

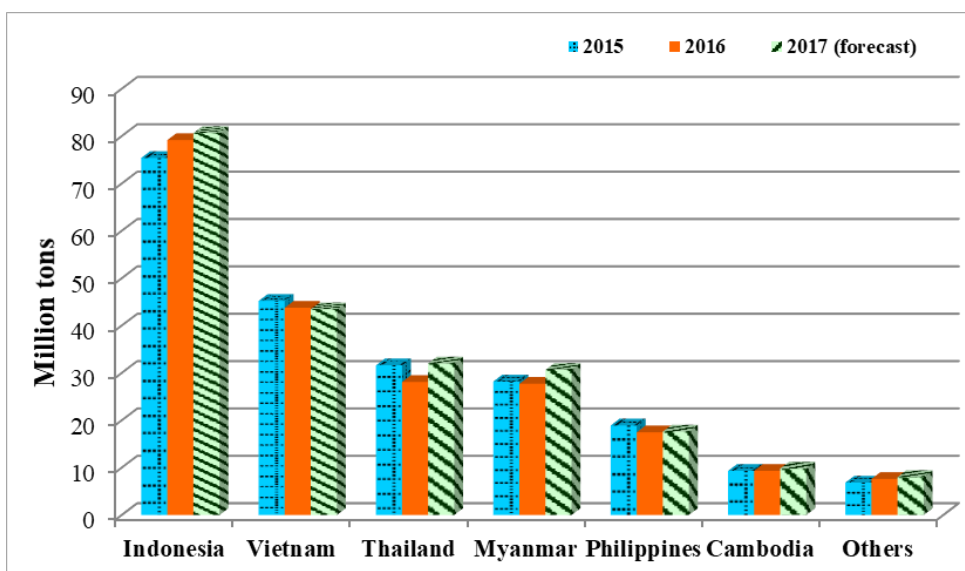
Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>4.38</b>	<b>4.36</b>	<b>-0.02</b>	<b>-0.46</b>	<b>4.41</b>	<b>0.05</b>	<b>1.15</b>
Brunei	2.34	1.75	-0.59	-25.21	1.75	0.00	0.00
Cambodia	3.08	3.09	0.01	0.32	3.19	0.10	3.24
Indonesia	5.34	5.26	-0.08	-1.50	5.35	0.09	1.71
Lao PDR	4.25	4.24	-0.01	-0.24	4.26	0.02	0.47
Malaysia	4.04	4.91	0.87	21.53	5.08	0.17	3.46
Myanmar	3.94	3.90	-0.04	-1.02	4.08	0.18	4.62
Philippines	4.02	3.86	-0.16	-3.98	3.87	0.01	0.26
Singapore	-	-	-	-	-	-	-
Thailand	2.96	2.87	-0.09	-3.04	3.01	0.14	4.88
Vietnam	5.77	5.63	-0.14	-2.43	5.58	-0.05	-0.89

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

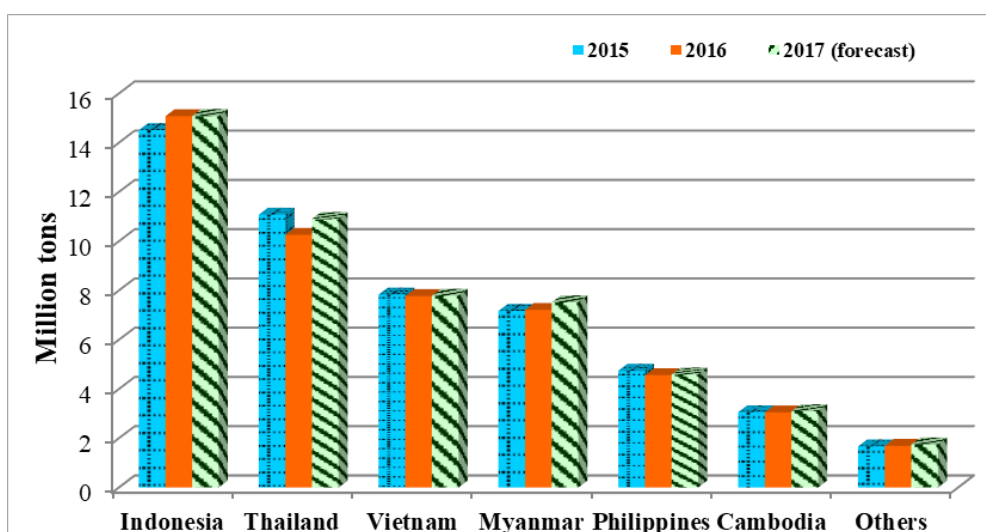
**Table 5 Paddy damaged area in ASEAN by cause of damage, 2016**

Country	Cause of Damage (Hectares)						Total
	Flood	Drought	Pests	Diseases	Other	Unspecified	
<b>ASEAN</b>	<b>126,306</b>	<b>518,691</b>	<b>38,633</b>	<b>15,703</b>	<b>2,100</b>	<b>0</b>	<b>701,434</b>
Brunei	16	75	22	26	-	-	139
Cambodia	-	25,782	-	-	-	-	25,782
Indonesia	4,909	27,290	516	-	-	-	32,714
Lao PDR	91	10	2,093	-	637	-	2,831
Malaysia	45	259	1,705	1,070	782	-	3,861
Myanmar	110,083	-	16	-	681	-	110,780
Philippines	11,163	27,077	200	-	-	-	38,440
Singapore	-	-	-	-	-	-	0
Thailand	-	438,198	34,082	14,607	-	-	486,887
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

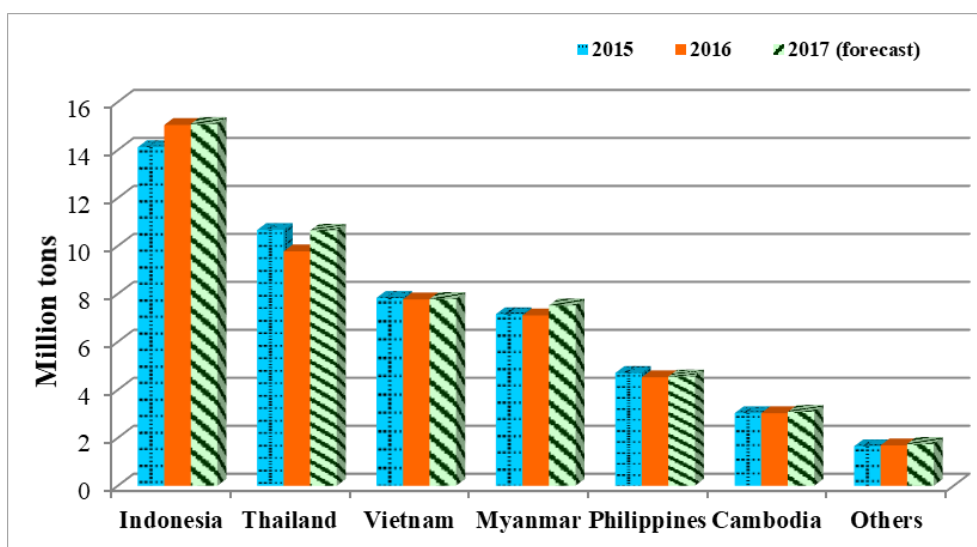




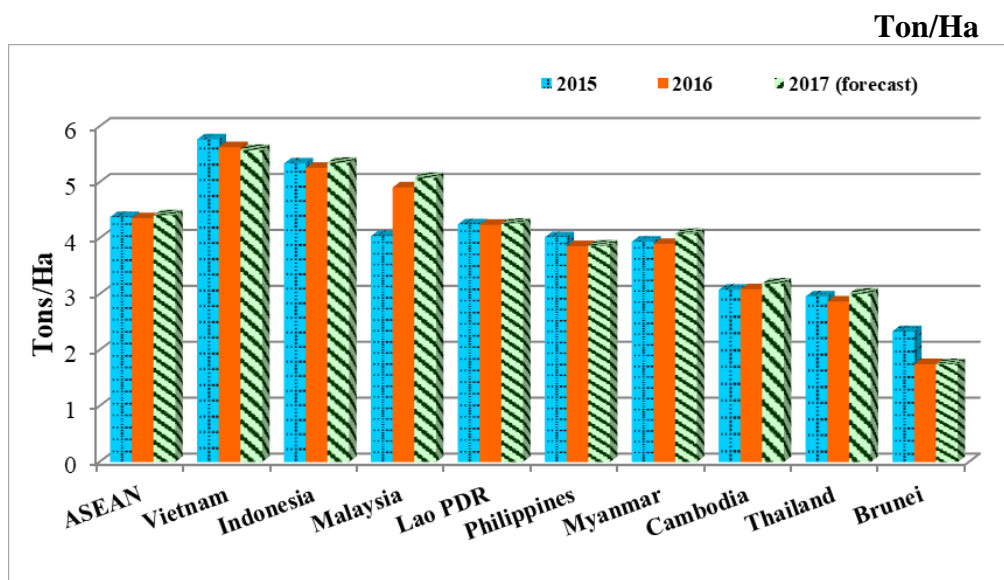
**Figure 1 Paddy production of selected countries in ASEAN, 2015-2017**



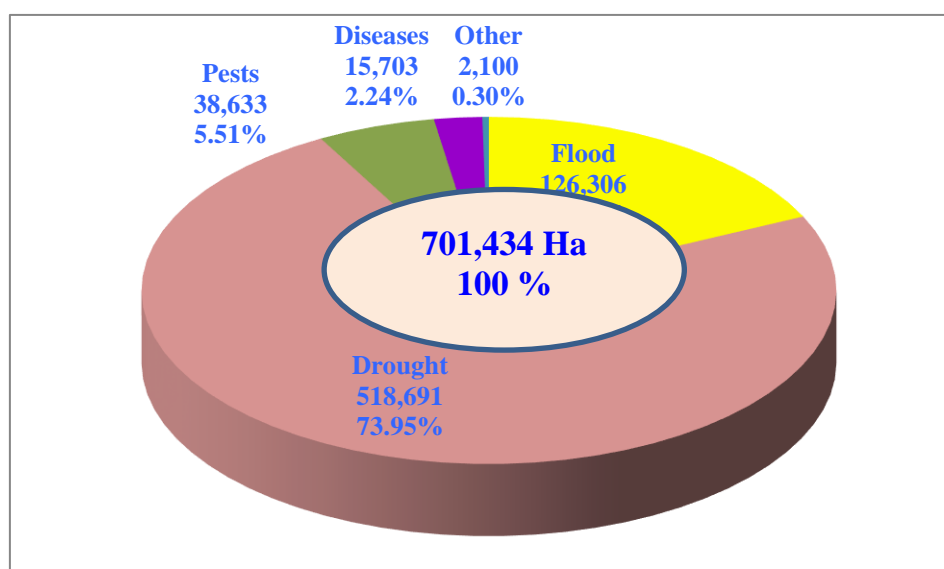
**Figure 2 Paddy planted area of selected countries in ASEAN, 2015-2017**



**Figure 3 Paddy harvested area of selected countries in ASEAN, 2015-2017**



**Figure 4 Paddy yield of countries in ASEAN, 2015-2017**



**Figure 5 Paddy damaged area in ASEAN by cause of damage, 2016 (crop year 2015/16)**

## ASEAN Maize Situation in 2016

### Production

The maize production in ASEAN in 2016 (crop year 2015/16) was reported to be 42.23 million tons, increase from 40.69 million tons in 2015 about 6 percent (2.54 million tons). The increase in production occurred in Indonesia (approximately 18 percent or 4 million tons), and Myanmar (approximately 2 percent or 28 million tons). However, other producing countries were reported decrease production. (Table 6 – 9, Figure 6 – 9).

For **Indonesia**, the production in 2016 was 23.19 million tons, an increase compare to previous year came from the increase in planted area and yield.

For **Myanmar**, the production in 2016 was 1.75 million tons, an increase compare to previous year came from the increase in planted area.

**Cambodia** reported a decrease production, from 0.55 million tons in 2015 to 0.40 million tons in 2016. It is caused by the declined in area and yield.

For **Lao PDR**, the decrease in production from 1.23 million tons in 2015 to 1.11 million tons in 2016 caused by the decrease in planted area due to the price decrease.

The **Philippines** reported a decrease in production from 7.67 million tons in 2015 to 6.97 million tons in 2017. The decrease caused by the declined in both area due to the unfavorable weather, yield was mainly affected by drought.

For **Thailand**, reported a decrease production from 4.62 million tons in 2015 to 4.56 million tons in 2016, a slightly decrease attributed to the declined in planted area due to price of competing crop has increased.

The decrease in production in **Vietnam** from 5.28 million tons in 2015 to 5.25 million tons in 2016 cause by the declined in planted area.

### Damaged Area

The damaged area of maize in 2016 was reported to be 110,872 hectares. The total damaged area of 95,570 hectares caused by the drought which mainly occurred in the Philippines (67,833 hectares), and Thailand (20,362 hectares). Total flood area of 9,966 hectares was found in Cambodia (5,951 hectares), Myanmar (2,179 hectares), and Indonesia (1,836 hectares). (Table 10, Figure 10)

**Table 6 Maize production in ASEAN countries, 2015 – 2017**

Unit: 1,000 Tons

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>40,689.26</b>	<b>43,227.70</b>	<b>2,538.45</b>	<b>6.24</b>	<b>46,234.29</b>	<b>3,006.59</b>	<b>6.96</b>
Brunei	-	-	-	-	-	-	-
Cambodia	549.61	399.65	-149.96	-27.28	552.78	153.13	38.32
Indonesia	19,612.44	23,187.62	3,575.18	18.23	24,839.83	1,652.22	7.13
Lao PDR	1,234.07	1,111.78	-122.29	-9.91	1,229.15	117.38	10.56
Malaysia	-	-	-	-	-	-	-
Myanmar	1,720.57	1,748.86	28.29	1.64	1,721.71	-27.16	-1.55
Philippines	7,671.63	6,965.93	-705.71	-9.20	8,064.88	1,098.95	15.78
Singapore	-	-	-	-	-	-	-
Thailand	4,619.95	4,561.87	-58.07	-1.26	4,602.95	41.08	0.90
Vietnam	5,281.00	5,252.00	-29.00	-0.55	5,223.00	-29.00	-0.55

**Table 7 Maize planted area in ASEAN countries, 2015 – 2017**

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>9,551.37</b>	<b>9,943.97</b>	<b>392.60</b>	<b>4.11</b>	<b>10,252.23</b>	<b>308.26</b>	<b>3.10</b>
Brunei							
Cambodia	143.52	112.57	-30.94	-21.56	141.37	28.79	25.58
Indonesia	3,810.38	4,394.57	584.19	15.33	4,467.93	73.36	1.67
Lao PDR	223.21	200.40	-22.81	-10.22	201.50	1.10	0.55
Malaysia							
Myanmar	459.05	471.93	12.88	2.81	467.05	-4.88	-1.03
Philippines	2,589.43	2,485.33	-104.10	-4.02	2,699.46	214.13	8.62
Singapore							
Thailand	1,146.48	1,114.16	-32.32	-2.82	1,116.92	2.76	0.25
Vietnam	1,179.30	1,165.00	-14.30	-1.21	1,158.00	-7.00	-0.60

**Table 8 Maize harvested area in ASEAN countries, 2015 – 2017**

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change		2017 (2016/17)	change	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>9,458.67</b>	<b>9,833.10</b>	<b>374.43</b>	<b>3.96</b>	<b>10,197.47</b>	<b>364.37</b>	<b>3.71</b>
Brunei							
Cambodia	136.00	104.16	-31.84	-23.41	140.34	36.18	34.74
Indonesia	3,787.37	4,387.58	600.22	15.85	4,467.93	80.35	1.83
Lao PDR	223.21	200.40	-22.81	-10.22	201.50	1.10	0.55
Malaysia							
Myanmar	458.29	469.75	11.46	2.50	467.05	-2.70	-0.57
Philippines	2,561.42	2,417.50	-143.92	-5.62	2,676.56	259.06	10.72
Singapore							
Thailand	1,113.09	1,088.71	-24.39	-2.19	1,086.09	-2.62	-0.24
Vietnam	1,179.30	1,165.00	-14.30	-1.21	1,158.00	-7.00	-0.60



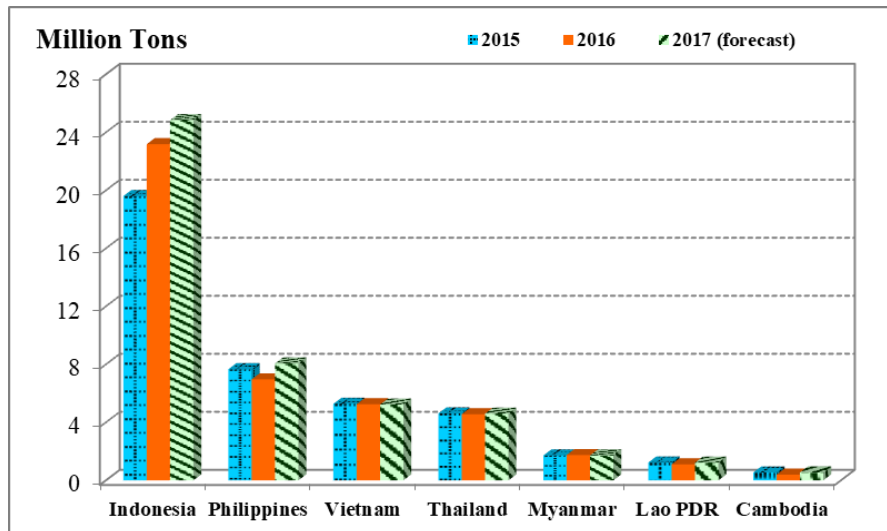
**Table 9 Maize Yield in ASEAN countries, 2016 – 2017**

Unit: Ton/Hectare

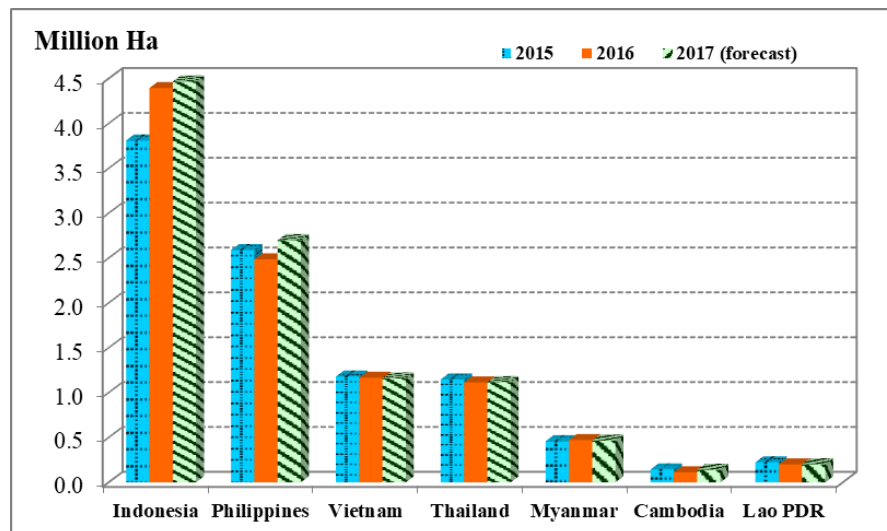
Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>4.30</b>	<b>4.40</b>	<b>0.10</b>	<b>2.33</b>	<b>4.53</b>	<b>0.13</b>	<b>2.95</b>
Brunei							
Cambodia	4.04	3.84	-0.20	-4.95	3.94	0.10	2.60
Indonesia	5.18	5.28	0.10	1.93	5.56	0.28	5.30
Lao PDR	5.53	5.55	0.02	0.36	6.10	0.55	9.91
Malaysia							
Myanmar	3.75	3.72	-0.03	-0.80	3.69	-0.03	-0.81
Philippines	3.00	2.88	-0.12	-4.00	3.01	0.13	4.51
Singapore							
Thailand	4.15	4.19	0.04	0.96	4.24	0.05	1.19
Vietnam	4.48	4.51	0.03	0.67	4.51	0.00	0.00

**Table 10 Maize damaged area in ASEAN by cause of damage, 2016**

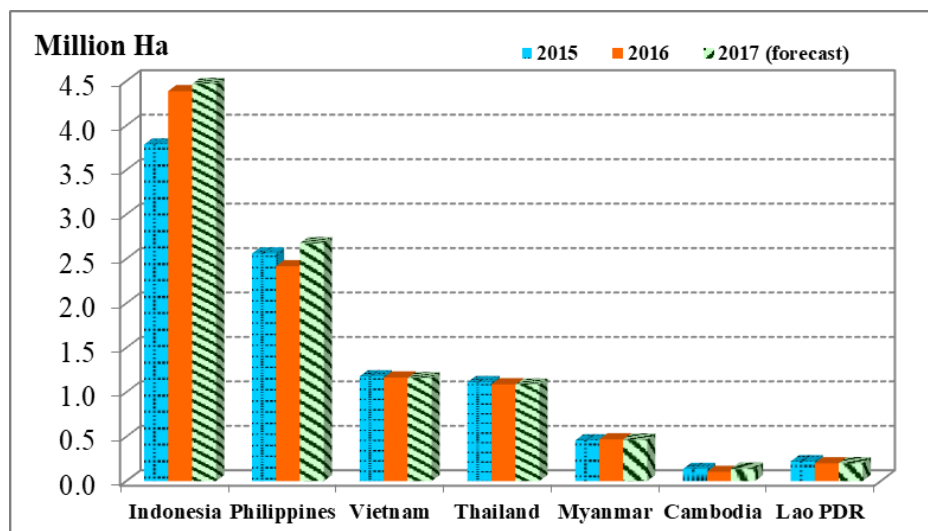
Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Unspecified	Others	Total
<b>ASEAN</b>	<b>9,966</b>	<b>95,570</b>	<b>2,924</b>	<b>2,412</b>	<b>-</b>	<b>-</b>	<b>110,872</b>
Brunei							
Cambodia	5,951	2,466	-	-	-	-	8,417
Indonesia	1,836	4,909	124	121	-	-	6,990
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	2,179	-	-	-	-	-	2,179
Philippines	-	67,833	-	-	-	-	67,833
Singapore							
Thailand	-	20,362	2,800	2,291	-	-	25,453
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.



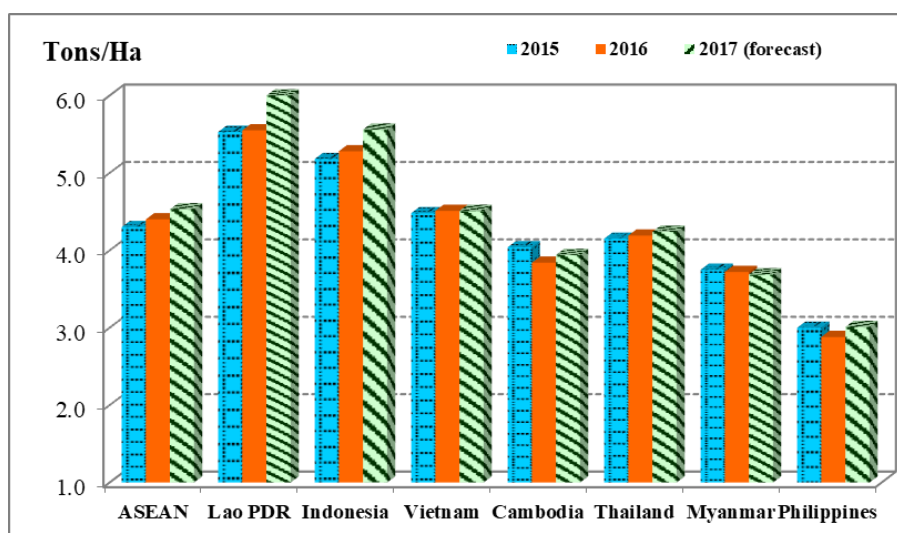
**Figure 6 Maize production of selected countries in ASEAN, 2015 – 2017**



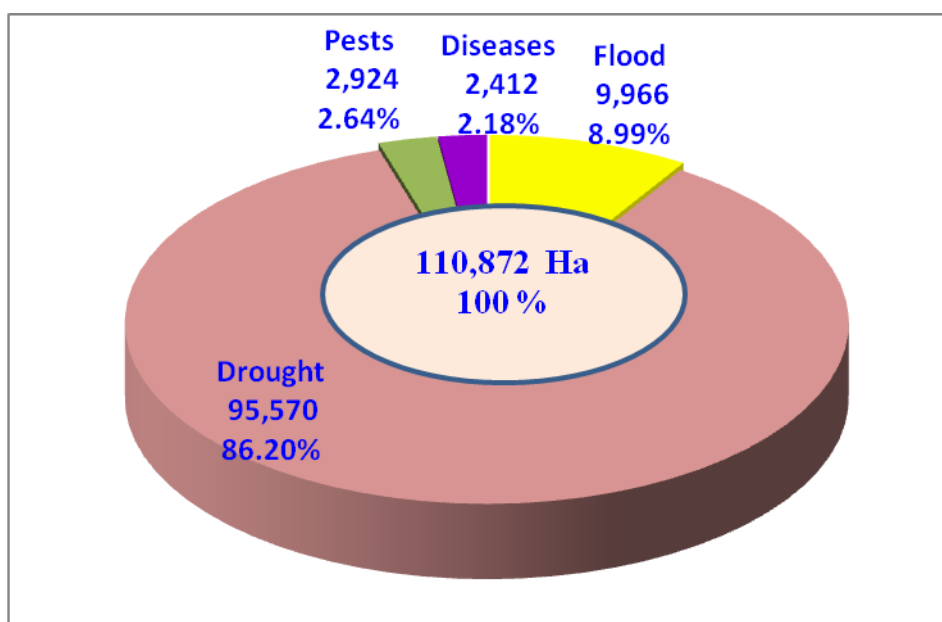
**Figure 7 Maize planted area of selected countries in ASEAN, 2015 – 2017**



**Figure 8 Maize harvested area of selected countries in ASEAN, 2015 – 2017**



**Figure 9 Maize yield of countries in ASEAN, 2015 – 2017**



**Figure 10 Maize damaged area in ASEAN by cause of damage, 2016 (crop year 2015/16)**

## ASEAN Sugar Situation in 2016

### Production

The sugarcane production in ASEAN in 2016 (2015/16 crop year) was reported to be 163.98 million tons, a decrease of 15.25 million tons from 179.23 million tons in 2015 (approximately 9 percent) came from a decrease in production from Indonesia, Myanmar, Thailand, and Vietnam. (Table 11 – 14, Figure 11 – 14).

**Indonesia** reported a decrease of sugarcane production from 16.24 million tons in 2015 to 14.45 million tons in 2016. The decrease was due to the declined in planted area by compete with other food crops commodity and yield.

In **Myanmar**, reported sugarcane production decreased from 11.13 million tons in 2015 to 10.14 million tons in 2016. The decrease production caused by the declined in planted area.

**Thailand**, the sugarcane production was decrease from 106.33 million tons in 2015 to 94.14 million tons in 2016. The decrease was due to the decrease in yield which was damage by drought.

In **Vietnam**, the production was reported to be decrease from 20.15 million tons in 2015 to 19.50 million tons in 2016. The decrease caused by the decline in planted area in responded to the price decrease and unfavorable weather.

For **the Philippines**, the sugarcane production reported to be increase from 22.65 million tons in 2015 to 23 million tons in 2016. The increase in its production was due to the increase in area.

For **Lao PDR**, the sugarcane production was slightly increase at 0.02 percent (350 tons increase) compare to 2015. The increase was due to an increasing in area by favorable weather

For **Cambodia**, the increase in sugarcane production from 0.71 million tons in 2015 to 0.72 million tons in 2016 caused by the expansion of planted area and the yield increased.

### Damaged Area

The sugarcane damaged area in ASEAN in 2016 was reported to be 58,656 hectares. 55,515 hectares caused by the drought which occurred mainly in Thailand (55,460 hectares). (Table 15, Figure 15).

**Table 11 Sugarcane production in ASEAN countries, 2015-2017**

Unit: 1,000 Tons

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>179,226.42</b>	<b>163,980.07</b>	<b>-15,246.35</b>	<b>-8.51</b>	<b>175,237.78</b>	<b>11,257.70</b>	<b>6.87</b>
Brunei	-	-	-	-	-	-	-
Cambodia	709.18	723.36	14.18	2.00	737.83	14.47	2.00
Indonesia	16,236.58	14,448.95	-1,787.63	-11.01	16,025.03	1,576.08	10.91
Lao PDR	2,018.66	2,019.00	0.35	0.02	1,944.00	-75.00	-3.71
Malaysia	-	-	-	-	-	-	-
Myanmar	11,128.42	10,142.38	-986.03	-8.86	10,827.71	685.33	6.76
Philippines	22,654.01	23,005.11	351.11	1.55	21,747.65	-1,257.47	-5.47
Singapore	-	-	-	-	-	-	-
Thailand	106,327.79	94,138.47	-12,189.32	-11.46	105,154.00	11,015.54	11.70
Vietnam	20,151.80	19,502.80	-648.99	-3.22	18,801.56	-701.24	-3.60

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

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>2,833.68</b>	<b>2,833.94</b>	<b>0.26</b>	<b>0.01</b>	<b>2,855.89</b>	<b>21.95</b>	<b>0.77</b>
Brunei	-	-	-	-	-	-	-
Cambodia	19.51	19.90	0.39	2.00	20.20	0.30	1.50
Indonesia	454.17	445.52	-8.65	-1.90	453.46	7.94	1.78
Lao PDR	36.13	36.18	0.05	0.14	32.00	-4.18	-11.55
Malaysia	-	-	-	-	-	-	-
Myanmar	180.86	161.91	-18.95	-10.48	172.99	11.08	6.84
Philippines	401.73	413.15	11.43	2.84	403.83	-9.33	-2.26
Singapore	-	-	-	-	-	-	-
Thailand	1,456.78	1,482.27	25.49	1.75	1,508.42	26.14	1.76
Vietnam	284.50	275.00	-9.50	-3.34	265.00	-10.00	-3.64

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

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>2,766.32</b>	<b>2,775.28</b>	<b>8.97</b>	<b>0.32</b>	<b>2,796.28</b>	<b>21.00</b>	<b>0.76</b>
Brunei	-	-	-	-	-	-	-
Cambodia	19.24	19.63	0.38	2.00	19.92	0.29	1.50
Indonesia	445.65	444.22	-1.43	-0.32	452.14	7.92	1.78
Lao PDR	36.13	36.18	0.05	0.14	32.00	-4.18	-11.55
Malaysia	-	-	-	-	-	-	-
Myanmar	178.32	161.84	-16.48	-9.24	172.99	11.15	6.89
Philippines	401.73	413.15	11.43	2.84	403.83	-9.33	-2.26
Singapore	-	-	-	-	-	-	-
Thailand	1,400.75	1,425.26	24.51	1.75	1,450.40	25.14	1.76
Vietnam	284.50	275.00	-9.50	-3.34	265.00	-10.00	-3.64

**Table 14 Sugarcane yield in ASEAN countries, 2015-2017**

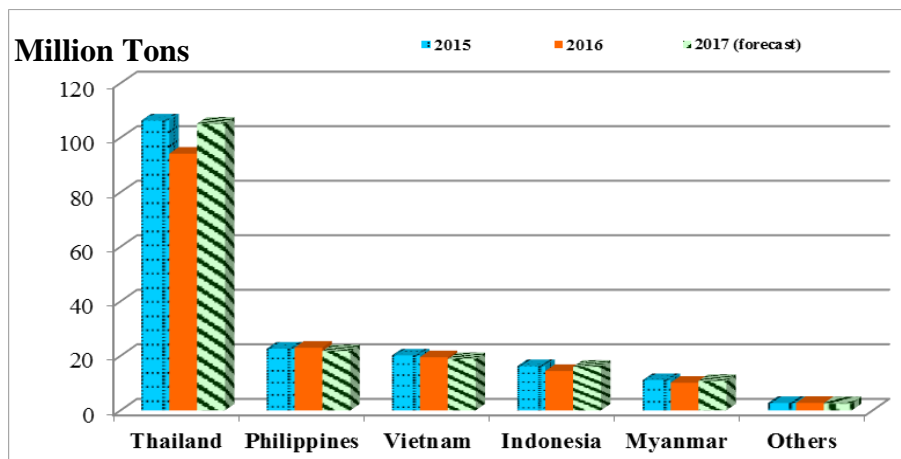
Unit: Ton/Hectare

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>64.79</b>	<b>59.09</b>	<b>-5.70</b>	<b>-8.80</b>	<b>62.67</b>	<b>3.58</b>	<b>6.06</b>
Brunei	-	-	-	-	-	-	-
Cambodia	36.85	36.86	0.01	0.03	37.04	0.18	0.49
Indonesia	36.43	32.53	-3.90	-10.71	35.44	2.91	8.95
Lao PDR	55.87	55.80	-0.07	-0.13	60.75	4.95	8.87
Malaysia	-	-	-	-	-	-	-
Myanmar	62.41	62.67	0.26	0.42	62.59	-0.08	-0.13
Philippines	56.39	55.68	-0.71	-1.26	53.85	-1.83	-3.29
Singapore	-	-	-	-	-	-	-
Thailand	75.91	66.05	-9.86	-12.99	72.50	6.45	9.77
Vietnam	70.83	70.92	0.09	0.13	70.95	0.03	0.04

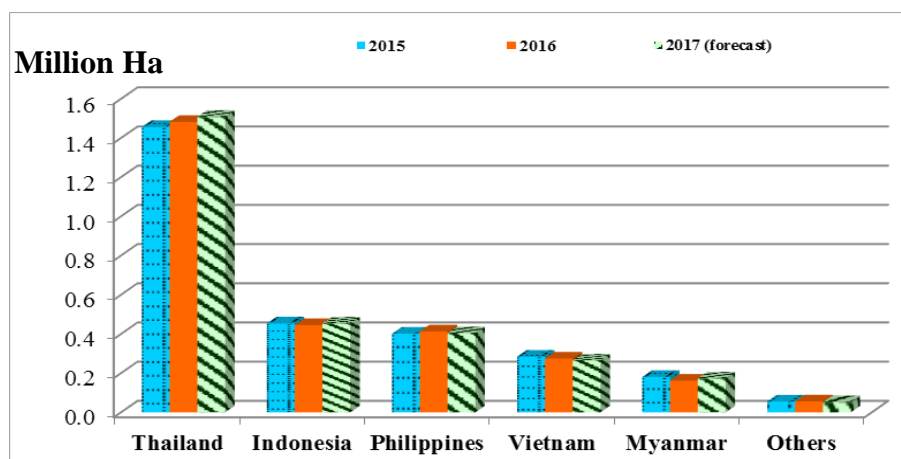
**Table 15 Sugarcane damaged area in ASEAN by cause of damage, 2016**

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Others	Unspecified	Total
<b>ASEAN</b>	<b>277</b>	<b>55,515</b>	<b>850</b>	<b>700</b>	<b>14</b>	<b>1,300</b>	<b>58,656</b>
Brunei	-	-	-	-	-	-	-
Cambodia	277	-	-	-	-	-	277
Indonesia	-	-	-	-	-	1,300	1,300
Lao PDR.	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	-	55	-	-	14	-	69
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	-	55,460	850	700	-	-	57,010
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

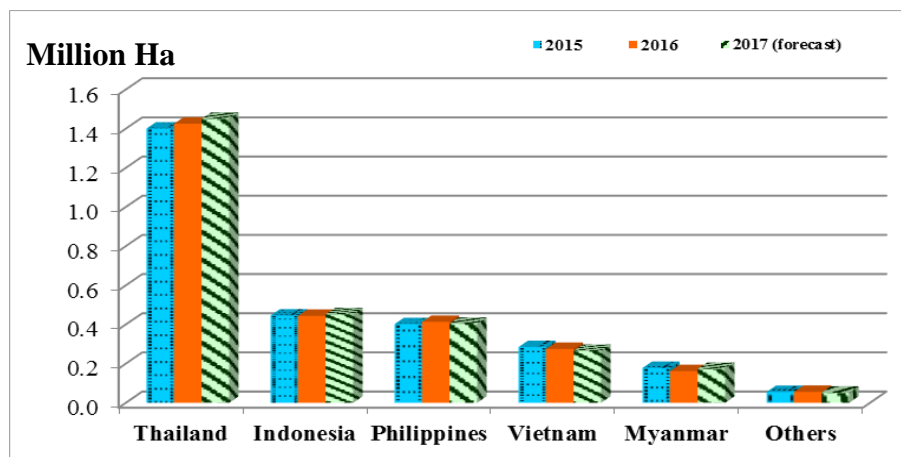




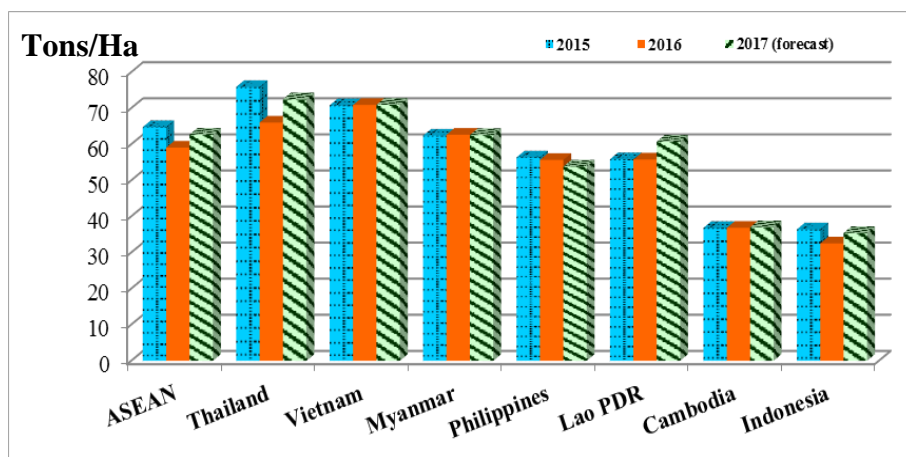
**Figure 11 Sugarcane production of selected countries in ASEAN, 2015-2017**



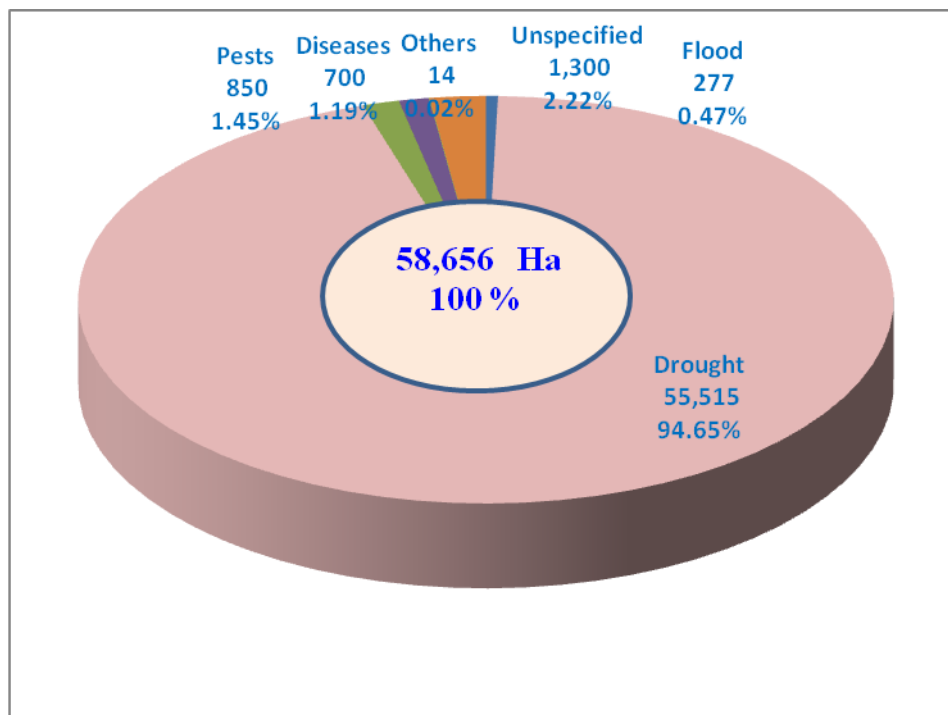
**Figure 12 Sugarcane planted area of selected countries in ASEAN, 2015-2017**



**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 2016

### Production

The soybean production in ASEAN in 2016 (crop year 2015/16) reported to be 1.42 million tons was decrease from 1.51 million tons in 2015. 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 0.08 million tons or 8 percent approximately. (Table 11 – 14, Figure 11 – 14)

**Cambodia**, the soybean production reported to be increase from 0.097 million tons in 2015 to 0.099 million tons in 2016. The increase in production was due to the increase in area.

For **Indonesia**, the soybean production reported to be decrease from 0.96 million tons in 2015 to 0.089 million tons in 2016. The decrease in production caused by the decline in both area, and yield.

For **Lao PDR**, the soybean production reported to be slightly decrease about 2 percent or 340 tons compare to 2015. The decrease in area attributed to the unfavorable weather and yield decrease by farmers use less fertilizer.

For **Myanmar**, the production decreased from 0.23 million tons in 2015 to 0.22 million tons in 2016. An approximately 3 percent decrease caused by the decline of area and yield.

In the **Philippines**, the production decreased from 670 tons in 2015 to 620 tons in 2016. The decrease production was due to the decrease in both area and yield.

For **Thailand**, the production decreased from 0.058 million tons in 2015 to 0.057 million tons in 2016. The decrease in production caused by the decline in planted area and harvested area.

For **Vietnam**, the production decreased from 0.15 million tons in 2015 to 0.14 million tons in 2016. 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 3,746 hectares. 2,852 hectares of flood area was the majority of damage area (76.13 percent) located in Indonesia (2,688 hectares), and Myanmar (164 hectares). Furthermore, 733 hectares of damaged area cause by drought which is located in Indonesia (224 hectares), and Thailand (509 hectares). Table (20, Figure 20)

**Table 16 Soybean production in ASEAN countries, 2015 – 2017**

Unit: 1,000 Tons

Country	2015 (2014/15)	2016 (2015/16)	change		2017 (2016/17)	change	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>1,513.16</b>	<b>1,422.94</b>	<b>-90.22</b>	<b>-5.96</b>	<b>1,486.99</b>	<b>64.05</b>	<b>4.50</b>
Brunei	-	-	-	-	-	-	-
Cambodia	96.94	98.88	1.94	2.00	100.86	1.98	2.00
Indonesia	963.18	887.54	-75.64	-7.85	943.86	56.32	6.35
Lao PDR	18.68	18.34	-0.34	-1.79	18.10	-0.24	-1.33
Malaysia	-	-	-	-	-	-	-
Myanmar	228.93	222.28	-6.65	-2.90	241.12	18.84	8.48
Philippines	0.67	0.62	-0.05	-7.60	0.47	-0.15	-24.62
Singapore	-	-	-	-	-	-	-
Thailand	58.36	57.30	-1.06	-1.82	56.21	-1.10	-1.91
Vietnam	146.40	137.97	-8.43	-5.75	126.38	-11.60	-8.41

**Table 17 Soybean planted area in ASEAN countries, 2015 – 2017**

Unit: 1,000 Tons

Country	2015 (2014/15)	2016 (2015/16)	change		2017 (2016/17)	change	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>989.62</b>	<b>950.90</b>	<b>-38.73</b>	<b>-3.91</b>	<b>948.95</b>	<b>-1.94</b>	<b>-0.20</b>
Brunei	-	-	-	-	-	-	-
Cambodia	66.82	68.16	1.34	2.00	68.84	0.68	1.00
Indonesia	620.49	592.33	-28.16	-4.54	589.15	-3.18	-0.54
Lao PDR	11.88	11.75	-0.13	-1.09	11.60	-0.15	-1.28
Malaysia	-	-	-	-	-	-	-
Myanmar	151.19	148.60	-2.59	-1.71	158.18	9.58	6.45
Philippines	0.56	0.52	-0.04	-6.44	0.48	0.00	0.00
Singapore	-	-	-	-	-	-	-
Thailand	37.88	34.53	-3.35	-8.85	33.70	-0.83	-2.40
Vietnam	100.80	95.00	-5.80	-5.75	87.00	-8.00	-8.42

**Table 18 Soybean harvested area in ASEAN countries, 2015 – 2017**

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change		2017 (2016/17)	change	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>979.75</b>	<b>947.15</b>	<b>-32.60</b>	<b>-3.33</b>	<b>948.33</b>	<b>1.18</b>	<b>0.12</b>
Brunei	-	-	-	-	-	-	-
Cambodia	66.61	68.00	1.39	2.09	68.68	0.68	1.00
Indonesia	614.10	589.42	-24.68	-4.02	589.15	-0.27	-0.05
Lao PDR	11.88	11.75	-0.13	-1.09	11.60	-0.15	-1.28
Malaysia	-	-	-	-	-	-	-
Myanmar	150.80	148.44	-2.36	-1.57	158.18	9.74	6.56
Philippines	0.56	0.52	-0.04	-6.44	0.48	-0.04	-8.01
Singapore	-	-	-	-	-	-	-
Thailand	35.01	34.02	-0.99	-2.82	33.24	-0.78	-2.29
Vietnam	100.80	95.00	-5.80	-5.75	87.00	-8.00	-8.42

Note: Vietnam reported only planted area.

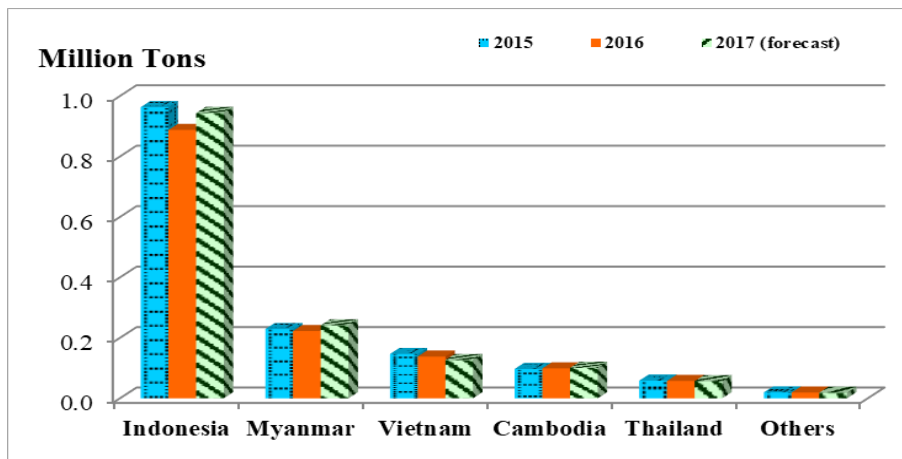
**Table 19 Soybean yield in ASEAN countries, 2015 – 2017**

Unit: Ton/Hectare

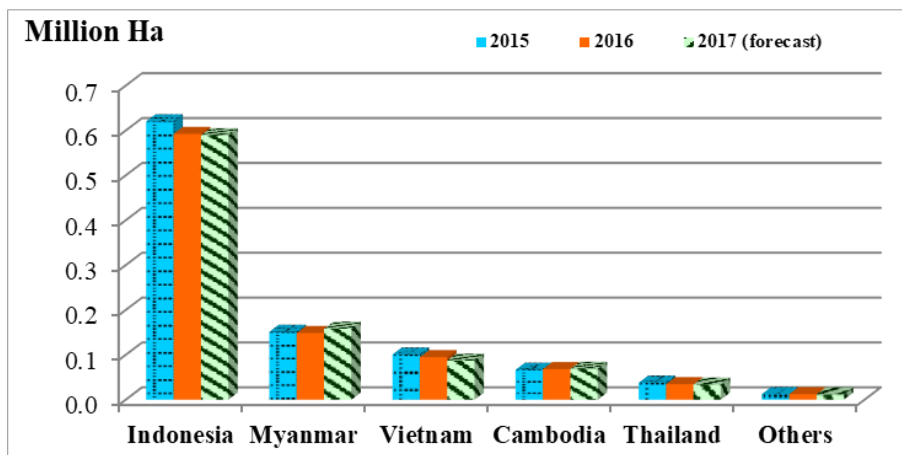
Country	2015 (2014/14)	2016 (2015/15)	change		2017 (2016/16)	change	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>1.54</b>	<b>1.50</b>	<b>-0.04</b>	<b>-2.73</b>	<b>1.57</b>	<b>0.07</b>	<b>4.37</b>
Brunei	-	-	-	-	-	-	-
Cambodia	1.46	1.45	0.00	-0.09	1.47	0.01	0.99
Indonesia	1.57	1.51	-0.06	-4.00	1.60	0.10	6.39
Lao PDR	1.57	1.56	-0.01	-0.71	1.56	0.00	-0.05
Malaysia	-	-	-	-	-	-	-
Myanmar	1.52	1.50	-0.02	-1.36	1.52	0.03	1.80
Philippines	1.21	1.20	-0.02	-1.24	0.98	-0.22	-18.06
Singapore	-	-	-	-	-	-	-
Thailand	1.67	1.68	0.02	1.04	1.69	0.01	0.39
Vietnam	1.45	1.45	0.00	0.00	1.45	0.00	0.02

**Table 20 Soybean damaged area in ASEAN by cause of damage, 2016**

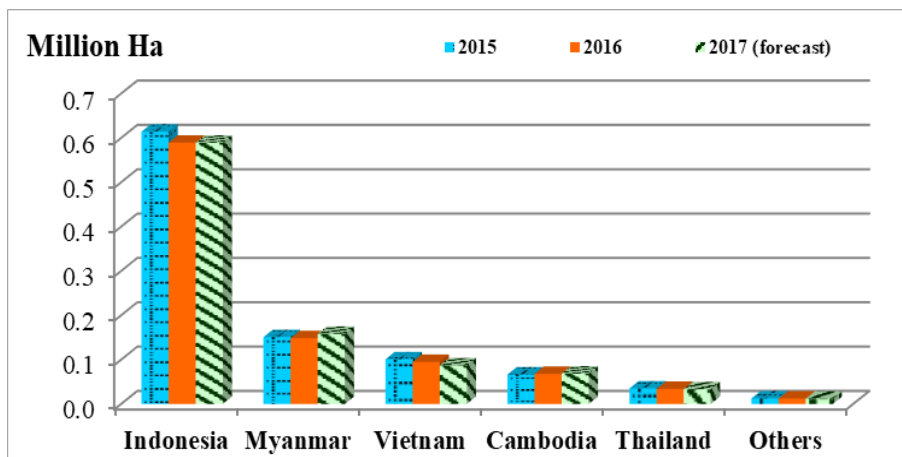
Country	Cause of Damage (Hectares)						Total
	Flood	Drought	Pests	Diseases	Others	Unspecify	
<b>ASEAN</b>	<b>2,852</b>	<b>733</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>160</b>	<b>3,746</b>
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	160	160
Indonesia	2,688	224	0	-	-	-	2,912
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	164	-	-	-	-	-	164
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	-	509	-	-	-	-	509
Vietnam	-	-	-	-	-	-	-



**Figure 16 Soybean production of selected countries in ASEAN, 2015 – 2017**

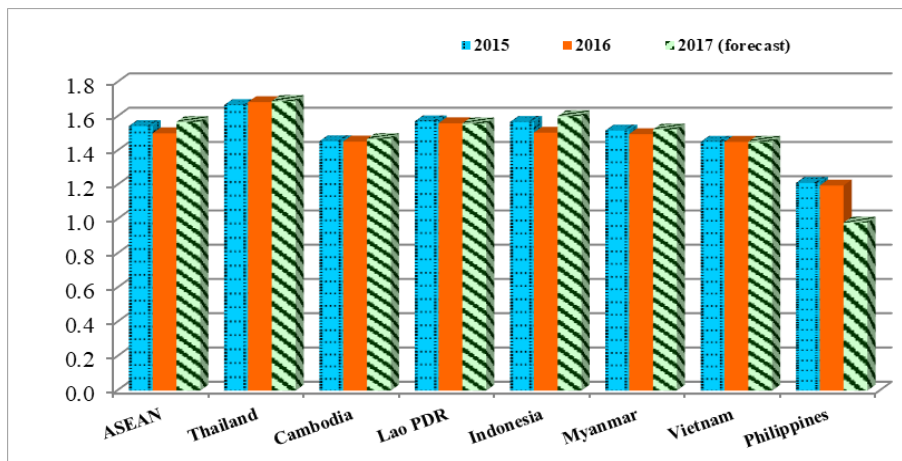


**Figure 17 Soybean planted area of selected countries in ASEAN, 2015 – 2017**

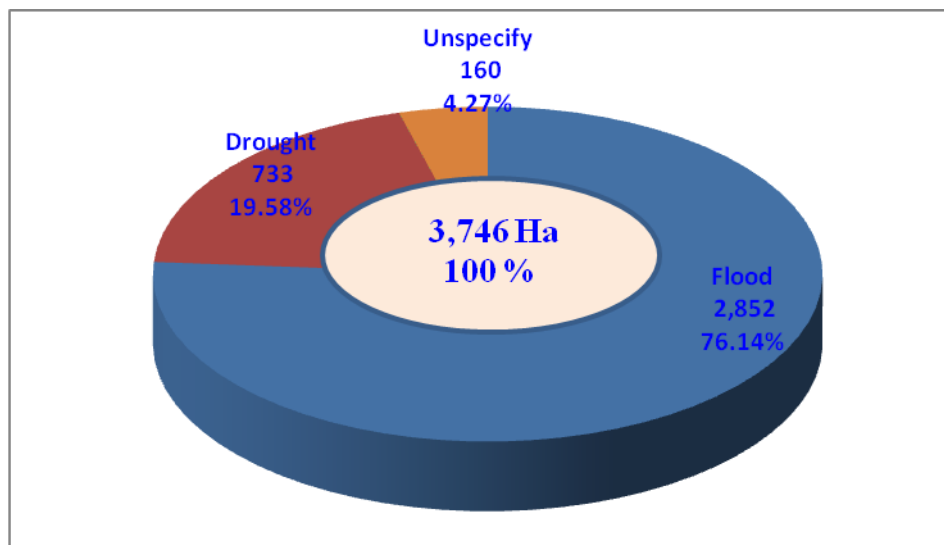


**Figure 18 Soybean harvested area of selected countries in ASEAN, 2015 – 2017**





**Figure 19 Soybean yield of countries in ASEAN, 2015 – 2017**



**Figure 20 Soybean damaged area in ASEAN by cause of damage, 2016 (crop year 2015/16)**

## ASEAN Cassava Situation in 2016

### Production

The estimated cassava production (root fresh) in ASEAN in 2016 (crop year 2015/16) decreased 1.63 percent or 1.34 million tons compare to previous year (from 82.12 million tons in 2015 – 80.78 million tons in 2016). The decrease in production found in 3 countries, Indonesia, Myanmar, and Thailand. While the other producing country reported the production increase in 2016. (Table 21 – 24, Figure 21 – 24)

For the producing countries reported a decrease in production, **Indonesia** reported a decrease of 4.85 percent or 1.06 million tons (from 21.80 million tons in 2015 to 20.74 million tons in 2016). The cause of production decrease was due to the decline in planted area from farmers respond to price decrease compete with other food crops commodities.

For **Myanmar**, the production reported to be decreased 5.04 percent or 0.02 million tons (from 0.48 million tons in 2015 to 0.46 million tons in 2016). The decrease in production caused by the decline in planted area due to unfavorable weather and the decrease of yield due to farmer use less fertilizer.

For **Thailand**, the production reported to be decreased 5.56 percent or 1.80 million tons (from 32.36 million tons in 2015 to 30.56 million tons in 2016). The decrease in production was due to drought and flood.

For the producing countries reported an increase in production, **Cambodia**, reported the increase of 10.71 percent or 1.28 million tons (from 11.94 million tons in 2015 to 13.22 million tons in 2016). The increase in production came from the expansion of planted area and the increase in yield.

**Lao PDR** reported a slightly increase in production of 1.16 percent or 0.03 million tons (from 2.38 million tons in 2015 to 2.41 million tons in 2016). The increase in production came from the increase in both planted area and yields due to favorable weather and farmers use more fertilizers.

In **Malaysia**, the increase in production of 10 percent or 0.01 million tons, compare 2016 production to previous year, the main reason came from the increase in both area and yield.

In the **Philippines**, the increase in production of 3.85 percent or 0.10 million tons (from 2.63 million tons in 2015 to 2.73 million tons in 2016). The increase in its production cause by the increase in planted area and yield due to farmer use more improved variety.

In **Vietnam**, the increase in production of 1.20 percent or 0.13 million tons (from 10.45 million tons in 2015 to 10.58 million tons in 2016) 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 2016 in the ASEAN was reported to be 92,362 hectares. Most of the damaged area caused by draught about 94 percent (87,069 hectares) that occurred in Thailand. (Table 25, Figure 25)

**Table 21 Cassava production in ASEAN countries, 2015–2017**

Unit: 1,000 Tons

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>82,118.34</b>	<b>80,777.28</b>	<b>-1,341.06</b>	<b>-1.63</b>	<b>84,011.40</b>	<b>3,234.12</b>	<b>4.00</b>
Brunei	0.17	0.17	0.01	3.00	0.18	0.01	3.00
Cambodia	11,943.20	13,222.25	1,279.04	10.71	13,386.69	164.44	1.24
Indonesia	21,801.42	20,744.67	-1,056.74	-4.85	23,578.97	2,834.30	13.66
Lao PDR	2,382.48	2,410.00	27.52	1.16	1,557.75	-852.25	-35.36
Malaysia	67.71	74.48	6.77	10.00	81.93	7.45	10.00
Myanmar	484.91	460.48	-24.43	-5.04	764.40	303.92	66.00
Philippines	2,628.01	2,729.14	101.14	3.85	2,800.73	71.59	2.62
Singapore	–	–	–	–	–	–	–
Thailand	32,357.74	30,557.86	-1,799.88	-5.56	31,187.28	629.42	2.06
Vietnam	10,452.70	10,578.22	125.52	1.20	10,653.47	75.25	0.71

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

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>3,851.84</b>	<b>3,813.92</b>	<b>-37.92</b>	<b>-0.98</b>	<b>3,902.68</b>	<b>88.76</b>	<b>2.33</b>
Brunei	–	–	–	–	–	–	–
Cambodia	521.46	531.89	10.43	2.00	542.42	10.54	1.98
Indonesia	949.92	867.50	-82.42	-8.68	1,002.64	135.14	15.58
Lao PDR	75.47	75.61	0.14	0.19	46.50	-29.11	-38.50
Malaysia	4.03	4.19	0.16	4.02	4.36	0.17	3.98
Myanmar	37.20	36.24	-0.96	-2.58	48.34	12.11	33.42
Philippines	219.52	225.26	5.74	2.62	230.04	4.78	2.12
Singapore	–	–	–	–	–	–	–
Thailand	1,491.15	1,514.24	23.08	1.55	1,466.38	-47.86	-3.16
Vietnam	553.10	559.00	5.90	1.07	562.00	3.00	0.54

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

Unit: 1,000 Hectares

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>3,787.72</b>	<b>3,721.55</b>	<b>-66.17</b>	<b>-1.75</b>	<b>3,812.96</b>	<b>91.40</b>	<b>2.46</b>
Brunei	–	–	–	–	–	–	–
Cambodia	515.29	527.32	12.03	2.33	537.87	10.55	2.00
Indonesia	949.92	867.50	-82.42	-8.68	1,002.64	135.14	15.58
Lao PDR	75.47	75.61	0.14	0.19	46.50	-29.11	-38.50
Malaysia	3.42	3.47	0.05	1.40	3.51	0.05	1.38
Myanmar	37.20	36.24	-0.96	-2.58	48.34	12.11	33.42
Philippines	219.52	225.26	5.74	2.62	230.04	4.78	2.12
Singapore	–	–	–	–	–	–	–
Thailand	1,433.82	1,427.17	-6.65	-0.46	1,382.06	-45.11	-3.16
Vietnam	553.10	559.00	5.90	1.07	562.00	3.00	0.54

Note: Vietnam reported only planted area.

**Table 24 Cassava yield in ASEAN countries, 2015–2017**

Unit: Ton/Hectare

Country	2015 (2014/15)	2016 (2015/16)	change 2016 over 2015		2017 (2016/17)	change 2017 over 2016	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>21.68</b>	<b>21.71</b>	<b>0.03</b>	<b>0.14</b>	<b>22.03</b>	<b>0.32</b>	<b>1.47</b>
Brunei	—	—	—	—	—	—	—
Cambodia	23.18	25.07	1.89	8.15	24.89	–0.18	–0.72
Indonesia	22.95	23.91	0.96	4.18	23.52	–0.39	–1.63
Lao PDR	31.57	31.87	0.30	0.95	33.50	1.63	5.11
Malaysia	19.81	21.49	1.68	8.48	23.32	1.83	8.52
Myanmar	13.04	12.71	–0.33	–2.53	15.81	3.10	24.39
Philippines	11.97	12.12	0.15	1.25	12.18	0.06	0.50
Singapore	—	—	—	—	—	—	—
Thailand	22.57	21.41	–1.16	–5.14	22.57	1.16	5.42
Vietnam	18.90	18.92	0.02	0.11	18.96	0.04	0.21

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	Unspecified	
<b>ASEAN</b>	—	<b>87,069</b>	<b>4,567</b>	—	—	<b>726</b>	<b>92,362</b>
Brunei	—	—	—	—	—	—	—
Cambodia	—	—	4,567	—	—	—	<b>4,567</b>
Indonesia	—	—	—	—	—	—	—
Lao PDR	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	726	<b>726</b>
Myanmar	—	—	—	—	—	—	—
Philippines	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	—	—
Thailand	—	87,069	—	—	—	—	<b>87,069</b>
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	<b>n.a.</b>

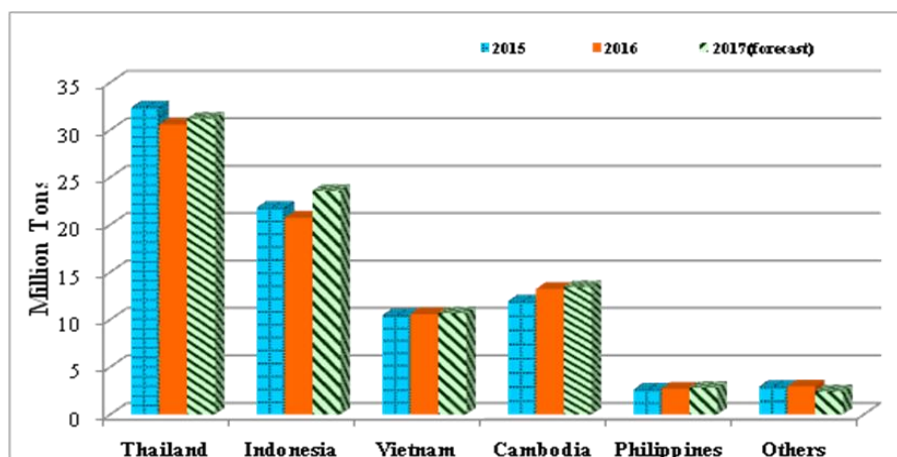


Figure 21 Cassava production of selected countries in ASEAN, 2015–2017

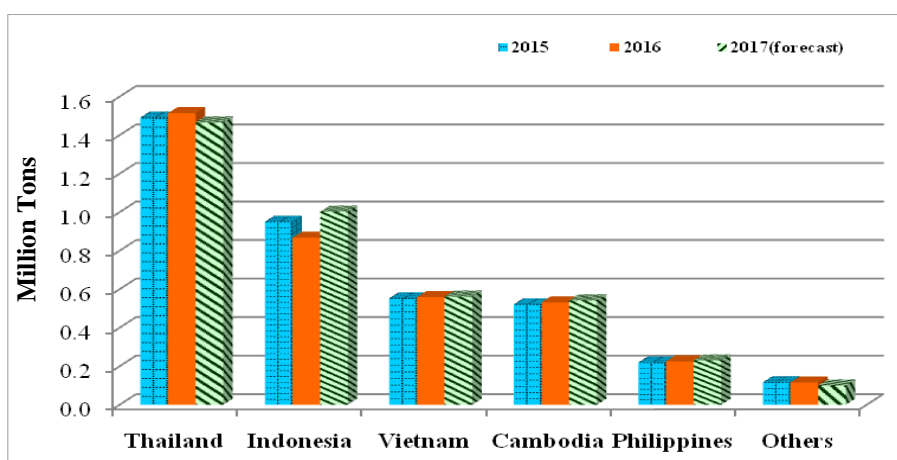


Figure 22 Cassava planted area of selected countries in ASEAN, 2015–2017

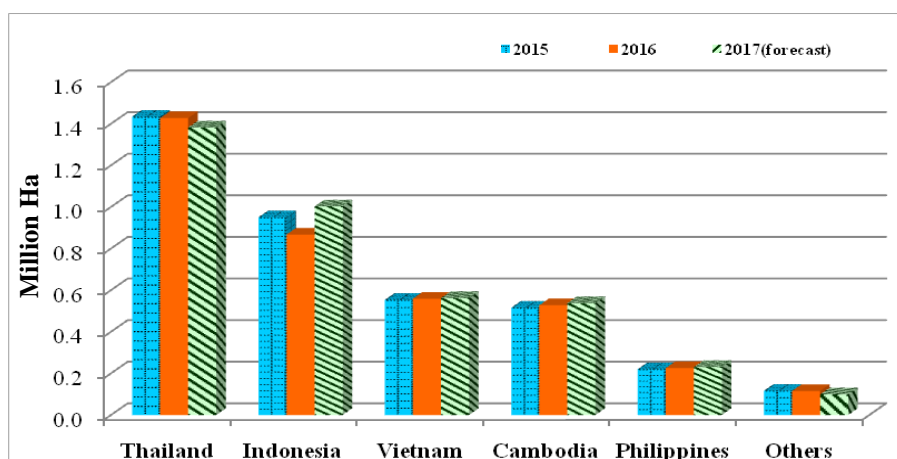


Figure 23 Cassava harvested area of selected countries in ASEAN, 2015–2017

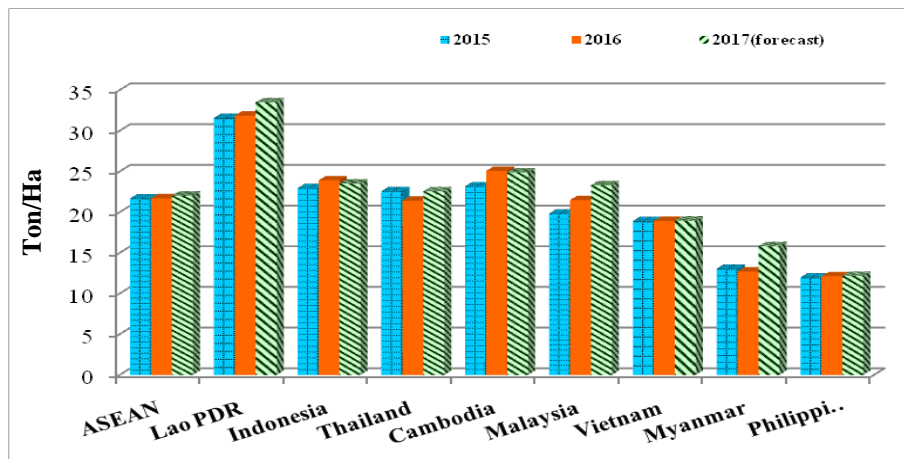


Figure 24 Cassava yield of countries in ASEAN, 2015–2017

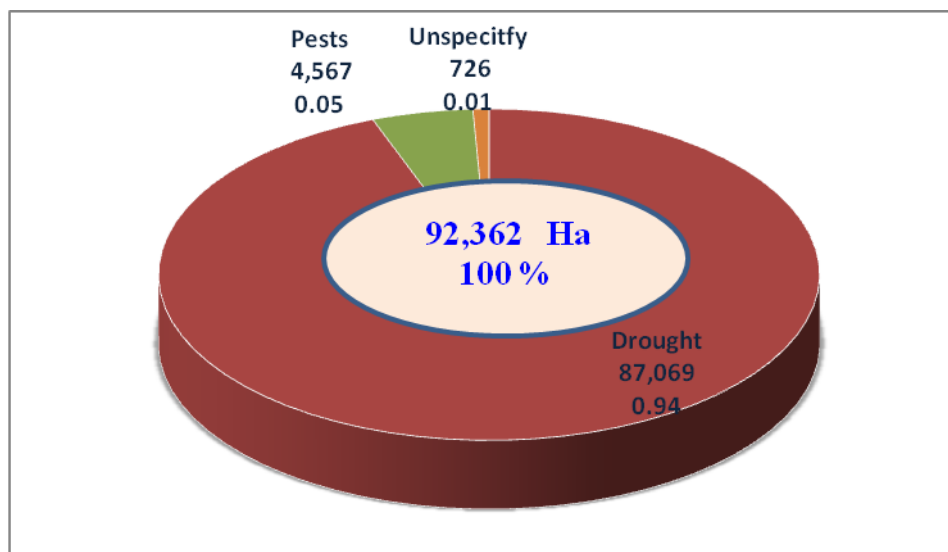


Figure 25 Soybean damaged area in ASEAN by cause of damage, 2016 (crop year 2015/16)



**Explanatory Notes**  
**Production of Paddy for 2015**

**Brunei:**

- Wet season refers to the crop harvested during January to June 2015.
- Dry season refers to the crop harvested during July to December 2015.

**Cambodia:**

- Wet season refers to the crop harvested during August to December 2014.
- Dry season refers to the crop harvested during January to March 2015.

**Indonesia:**

- Wet season refers to the crop harvested during January to April and September to December 2015.
- Dry season refers to the crop harvested during May to August 2015.

**Lao PDR:**

- Wet season refers to the crop harvested during September 2014 to January 2015.
- Dry season refers to the crop harvested during February to May 2015.

**Malaysia:**

- Wet season refers to the crop harvested during December 2014 to June 2015.
- Dry season refers to the crop harvested during July to November 2015.

**Myanmar:**

- Wet season refers to the crop harvested during September 2014 to January 2015.
- Dry season refers to the crop harvested during January to August 2015.

**Philippines:**

- Wet season refers to the crop harvested during August to December 2014.
- Dry season refers to the crop harvested during January to June 2015.

**Thailand:**

- Wet season refers to the crop harvested during August 2014 to April 2015.
- Dry season refers to the crop harvested during February to May 2015.

**Vietnam:**

**Spring-season**

- North refers to the crop harvested during June to July 2015.
- South refers to the crop harvested during March to May 2015.

**Autumn-season**

- North refers to the crop harvested during August to September 2015.
- South refers to the crop harvested during July to September 2015.

#### Winter-season

- North refers to the crop harvested during October to November 2015.
- South refers to the crop harvested during October 2015 to January 2016.

### **Production of Maize for 2015**

#### Cambodia:

- Wet season refers to the crop harvested during August to October 2015.
- Dry season refers to the crop harvested during February to March 2015.

#### Indonesia:

- 1<sup>st</sup> crop harvested during January to April 2015.
- 2<sup>nd</sup> crop harvested during May to August 2015.
- 3<sup>rd</sup> crop harvested during September to December 2015.

#### Lao PDR:

- Wet season refers to the crop harvested during June to July 2015.
- Dry season refers to the crop harvested during September to December 2015.

#### Myanmar:

- Wet season refers to the crop harvested during August to November 2014.
- Dry season refers to the crop harvested during January to March 2015.

#### Philippines:

- Wet season refers to the crop harvested during July to December 2015.
- Dry season refers to the crop harvested during January to June 2015.

#### Thailand:

- Wet season refers to the crop harvested during June 2015 to February 2016.
- Dry season refers to the crop harvested during February to May 2015.

#### Vietnam:

- 1<sup>st</sup> crop harvested during January to March 2015.
- 2<sup>nd</sup> crop harvested during April to September 2015.
- 3<sup>rd</sup> crop harvested during July 2015 to January 2016.

### **Production of Sugarcane for 2015**

#### Cambodia:

- The crop harvested during October to December 2015.

#### Indonesia:

- The crop harvested during January to December 2015.

Lao PDR:

- The crop harvested during December 2014 to June 2015.

Myanmar:

- The crop harvested during October 2014 to March 2015.

Philippines:

- The crop harvested during October 2014 to June 2015.

Thailand:

- The crop harvested during November 2014 to May 2015.

Vietnam:

- The crop harvested during November 2014 to May 2015.

### **Production of Soybeans for 2015**

Cambodia:

- The crop harvested during November to December 2015.

Indonesia:

- 1<sup>st</sup> crop harvested during January to April 2015.
- 2<sup>nd</sup> crop harvested during May to August 2015.
- 3<sup>rd</sup> crop harvested during September to December 2015.

Lao PDR:

- Wet season refers to the crop harvested during September to October 2015.
- Dry season refers to the crop harvested during January to March 2015.

Myanmar:

- Wet season refers to the crop harvested during August to December 2014.
- Dry season refers to the crop harvested during January to March 2015.

Philippines:

- Wet season refers to the crop harvested during July to December 2015.
- Dry season refers to the crop harvested during January to June 2015.

Thailand:

- Wet season refers to the crop harvested during August to December 2015.
- Dry season refers to the crop harvested during January to May 2015.

Vietnam:

- Wet season refers to the crop harvested during February to May 2015.
- Dry season refers to the crop harvested during August to November 2015.

## **Production of Cassava for 2015**

Cambodia:

- The crop harvested during half November to December 2015.

Indonesia:

- 1<sup>st</sup> crop harvested during January to April 2015.
- 2<sup>nd</sup> crop harvested during May to August 2015.
- 3<sup>rd</sup> crop harvested during September to December 2015.

Lao PDR:

- The crop harvested during December 2014 to February 2015.

Malaysia:

- The crop harvested during October 2014 to December 2015.

Myanmar:

- The crop harvested during November 2014 to February 2015.

Philippines:

- 1<sup>st</sup> crop harvested during January to June 2015.
- 2<sup>nd</sup> crop harvested during July to December 2015.

Thailand:

- The crop harvested during October 2014 to September 2015.

Vietnam:

- North refers to the crop harvested during February to March 2015.
- South refers to the crop harvested during September to October 2015.

**Domestic Utilization, Stock, Import and Export: refer to calendar year**

**n.a.: The data is not available due to no collecting or reporting systems in the country yet.**

**nil: Small amount**

### **Milling Rate of Rice (2015)**

Unit: Tons

<b>Country</b>	<b>Paddy</b>	<b>Rice</b>
ASEAN	1	0.62
Brunei	1	0.65
Cambodia	1	0.64
Indonesia	1	0.63
Lao PDR	1	0.60
Malaysia	1	0.63
Myanmar	1	0.59
Philippines	1	0.65
Thailand	1	0.66
Vietnam	1	0.63

### **Extraction rate of Sugar (2015)**

Unit: Tons

<b>Country</b>	<b>Sugarcane</b>	<b>Sugar</b>
ASEAN	1,000	108.50
Cambodia	1,000	100.00
Indonesia	1,000	153.85
Lao PDR	1,000	200.00
Myanmar	1,000	80.00
Philippines	1,000	97.28
Thailand	1,000	109.26
Vietnam	1,000	90.91

## ANNEX 1

Rice crop calendar (harvested months) for crop year 2016/17 (2017) in ACO-17 report

Country		2016					2017												2016	
		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Brunei	Wet season						←→													
	Dry season												←→							
Cambodia	Wet season	←→																		
	Dry season						←→													
Indonesia	Wet season						←→								←→					
	Dry season										←→									
Lao PDR	Wet season		←→																	
	Dry season						←→													
Malaysia	Wet season						←→													
	Dry season											←→								
Myanmar	Wet season		←→																	
	Dry season						←→													
Philippines	Wet season	←→																		
	Dry season						←→													
Thailand	Wet season	←→																		
	Dry season						←→													
Vietnam	Spring							←→ South				←→ North								
	Autumn													←→ North						
	Winter														←→ South					



## ANNEX 2

Maize crop calendar (harvested months) for crop year 2016/17 (2017) in ACO-17 report

Country	Crop	2016					2017												2018	
		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Cambodia	Wet season																			
	Dry season																			
Indonesia	1st																			
	2nd																			
	3rd																			
Lao PDR	Wet season																			
	Dry season																			
Myanmar	Wet season																			
	Dry season																			
Philippines	Wet season																			
	Dry season																			
Thailand	Wet season																			
	Dry season																			
Vietnam	1st																			
	2nd																			
	3rd																			















## ANNEX 3

Sugarcane crop calendar (harvested months) for crop year 2016/17 (2017) in ACO-17 report

Country	Crop	2016				2017											
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cambodia																	
Indonesia																	
Lao PDR																	
Myanmar																	
Philippines																	
Thailand																	
Vietnam																	

## ANNEX 4

Soybean crop calendar (harvested months) for crop year 2016/17 (2017) in ACO-17 report

Country	Crop	2016					2017											
		Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cambodia																		
Indonesia	1st																	
	2nd																	
	3rd																	
Lao PDR	Wet season																	
	Dry season																	
Myanmar	Wet season																	
	Dry season																	
Philippines	Wet season																	
	Dry season																	
Thailand	Wet season																	
	Dry season																	
Vietnam	Wet season																	
	Dry season																	

## ANNEX 5

Cassava crop calendar(harvested months) for crop year 2016/17 (2017) in ACO-17 report

Country	Crop	2016				2017											
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cambodia																	
Indonesia	1st																
	2nd																
	3rd																
Lao PDR																	
Malaysia																	
Myanmar																	
Philippines	1st																
	2nd																
Thailand																	
Vietnam	North																
	South																