



# ASEAN Early Warning Information



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## Rice Situation in ASEAN

### Production

The ASEAN paddy production in 2012 (crop year 2011/12) was estimated at 208.20 million tons, an increase of 1.68 million tons which is less than one percent from the previous year (Table 1, Figure 1). The increase in production came from the increase in both planted area and yield. However, the increase in area was less than one percent while the increase in yield was about 3 percent which compensated the decrease in harvested area due to the damage. In terms of the amount of production increase, Indonesia, the Philippines and Thailand has increased the most. In terms of percentage increase, Lao PDR and Brunei were the first and the second respectively. However, Brunei produces very small quantity. Myanmar and Vietnam were the only two countries in the region that the paddy production have decreased. For the increasing countries, the farmers' response to the price increase, used more improved varieties and the favorable weather were the most cited as the factors attributed to the increase in production. Unfavorable weather was the factor that cause the reduction in production in Myanmar and Vietnam.

The paddy production forecasted in 2013 (crop year 2012/13) in ASEAN is 211.95 million tons, an increase of 3.76 million tons or about 2 percent from 2012 (crop year 2011/12). The regional increase in paddy production came from Myanmar and Indonesia. The production in Thailand and Malaysia are forecast to decrease. For Thailand, the production has projected to decrease about one percent due to the reduction in planted area of the first (major crop) which some area was left idle to keep the water for preventing flood in the urban area. Nevertheless, it is expected that the first crop lost will be able to compensate by the increase in production of the second crop in response to the high price received under the rice pledging scheme of the government. The unfavorable weather was the factors that caused the reduction in production in Malaysia.

## **Harvested Area**

The harvested area of paddy in ASEAN in 2012 (crop year 2011/12) was estimated at 48.71 million hectares compared to 49.80 million hectares in 2011 (crop year 2010/11), a decrease of about 2 percent (Table 3, Figure 3). There were three countries namely: Thailand, Myanmar and Cambodia that the harvested areas have decreased. The increases in harvested area were very eminent in the Lao PDR which was about 16 percent increase from previous year.

The harvested area for 2013 is forecast to be 50.35 million hectares, an increase of 1.64 million hectares. The increase in harvested area is expected in every country except Malaysia. The decrease in harvested area in Malaysia is due to the flood.

## **Yield**

The average paddy yield in ASEAN in 2012 was estimated at 4.27 ton/ha. When compared to 4.15 tons/ha in 2011, the increase was about 3 percent (Table 4, Figure 4). Myanmar and Vietnam were the two countries in the region that the yields have decreased. The reduction in yield in Myanmar was due to the flood while the decrease in yield in Vietnam was a result of disease and pests. In terms of percentage increase in yield, the increase in Thailand was very high due to the recovery from the previous year flood.

The average paddy yield in ASEAN is forecast to reduce a little from 4.27 tons/ha in 2012 to 4.21 ton/ha in 2013 due to the decrease in yield in Indonesia and Thailand. However, for other countries in the region, the yields of 2013 are expected to increase.

## **Damaged Area**

The total damaged area of paddy in 2012 which affected the 2012 (crop year 2011/12) production was about 2.2 million hectares of which almost 90 percent came from the flood. The most damage was occurred in Thailand and followed by Cambodia. The data on the damaged area was not available for Vietnam. The second and the third ranked in terms of damaged areas were caused by the pests and the drought respectively. The damaged areas by the cause of damage by country in 2012 are shown in Table 5.

**Table 1 Paddy production in ASEAN countries, 2011-2013**

Unit: 1,000 Tons

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>206,513.46</b>	<b>208,198.22</b>	<b>1,684.76</b>	<b>0.82</b>	<b>211,953.97</b>	<b>3,755.75</b>	<b>1.80</b>
Brunei	2.15	2.38	0.23	10.91	2.62	0.24	10.21
Cambodia	8,249.45	8,416.94	167.49	2.03	8,521.00	104.06	1.24
Indonesia	65,760.95	68,594.07	2,833.12	4.31	69,844.51	1,250.44	1.82
Lao PDR	3,105.20	3,722.70	617.51	19.89	3,823.69	100.99	2.71
Malaysia	2,665.10	2,741.05	75.96	2.85	2,633.50	-107.55	-3.92
Myanmar <sup>1/</sup>	32,064.43	28,680.59	-3,383.84	-10.55	30,700.00	2,019.41	7.04
Philippines	16,684.06	17,809.79	1,125.73	6.75	18,066.96	257.17	1.44
Singapore	-	-	-	-	-	-	-
Thailand	35,583.64	36,669.20	1,085.57	3.05	36,139.44	-529.77	-1.44
Vietnam	42,398.50	41,561.50	-837.00	-1.97	42,222.25	660.75	1.59

Note : <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 2 Paddy planted area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>50,871.44</b>	<b>50,922.75</b>	<b>51.31</b>	<b>0.10</b>	<b>51,481.32</b>	<b>558.57</b>	<b>1.10</b>
Brunei	1.64	1.83	0.19	11.54	2.02	0.19	10.26
Cambodia	2,795.89	2,912.12	116.23	4.16	2,917.60	5.48	0.19
Indonesia	13,241.86	13,464.29	222.43	1.68	13,969.28	504.98	3.75
Lao PDR	910.65	945.00	34.35	3.77	950.00	5.00	0.53
Malaysia	683.68	692.34	8.66	1.27	618.32	-74.02	-10.69
Myanmar <sup>1/</sup>	8,047.28	7,592.76	-454.52	-5.65	7,650.00	57.24	0.75
Philippines	4,626.81	4,704.39	77.58	1.68	4,728.22	23.83	0.51
Singapore	-	-	-	-	-	-	-
Thailand	12,908.22	12,970.02	61.80	0.48	12,920.89	-49.13	-0.38
Vietnam	7,655.40	7,640.00	-15.40	-0.20	7,725.00	85.00	1.11

Note : <sup>1/</sup> The value of 2013 is forecasted by AFSIS

**Table 3 Paddy harvested area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>49,795.58</b>	<b>48,712.47</b>	<b>-1,083.11</b>	<b>-2.18</b>	<b>50,354.59</b>	<b>1,642.12</b>	<b>3.37</b>
Brunei	1.52	1.65	0.13	8.72	1.82	0.17	10.18
Cambodia	2,777.32	2,709.82	-67.50	-2.43	2,717.13	7.31	0.27
Indonesia	13,201.32	13,440.94	239.62	1.82	13,868.21	427.26	3.18
Lao PDR	814.16	945.00	130.85	16.07	950.00	5.00	0.53
Malaysia	678.23	684.30	6.07	0.90	618.32	-65.98	-9.64
Myanmar	8,011.48	7,567.02	-444.46	-5.55	7,650.00	82.98	1.10
Philippines	4,536.64	4,697.75	161.10	3.55	4,728.22	30.47	0.65
Singapore	-	-	-	-	-	-	-
Thailand	12,119.52	11,025.99	-1,093.54	-9.02	12,095.90	1,069.91	9.70
Vietnam	7,655.40	7,640.00	-15.40	-0.20	7,725.00	85.00	1.11

Note: Vietnam reported only planted area, <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 4 Paddy yield in ASEAN countries, 2011-2013**

Unit: Ton/Hectare

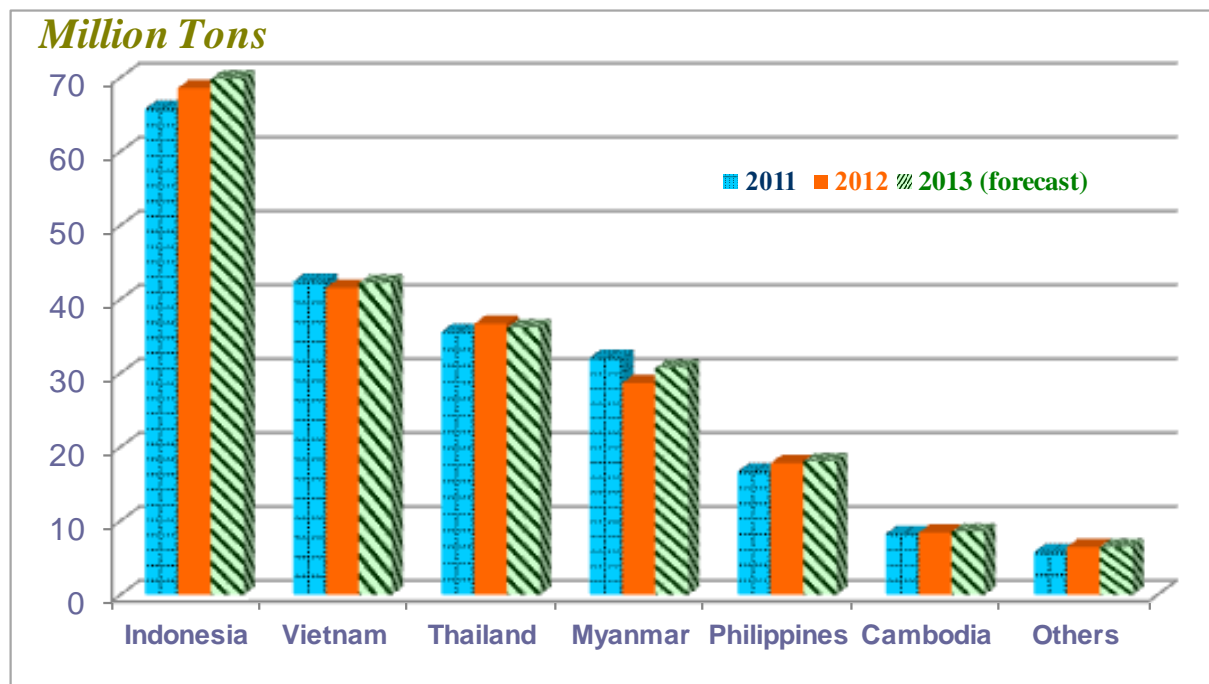
Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>4.15</b>	<b>4.27</b>	<b>0.12</b>	<b>2.89</b>	<b>4.21</b>	<b>-0.06</b>	<b>-1.41</b>
Brunei	1.41	1.44	0.03	2.13	1.44	0.00	0.00
Cambodia	2.97	3.11	0.14	4.71	3.14	0.03	0.96
Indonesia	4.98	5.10	0.12	2.41	5.04	-0.06	-1.18
Lao PDR	3.81	3.94	0.13	3.41	4.02	0.08	2.03
Malaysia	3.93	4.01	0.08	2.04	4.26	0.25	6.23
Myanmar	4.00	3.79	-0.21	-5.25	4.01	0.22	5.80
Philippines	3.68	3.79	0.11	2.99	3.82	0.03	0.79
Singapore	-	-	-	-	-	-	-
Thailand	2.94	3.33	0.39	13.27	2.99	-0.34	-10.21
Vietnam	5.54	5.44	-0.10	-1.81	5.47	0.03	0.55

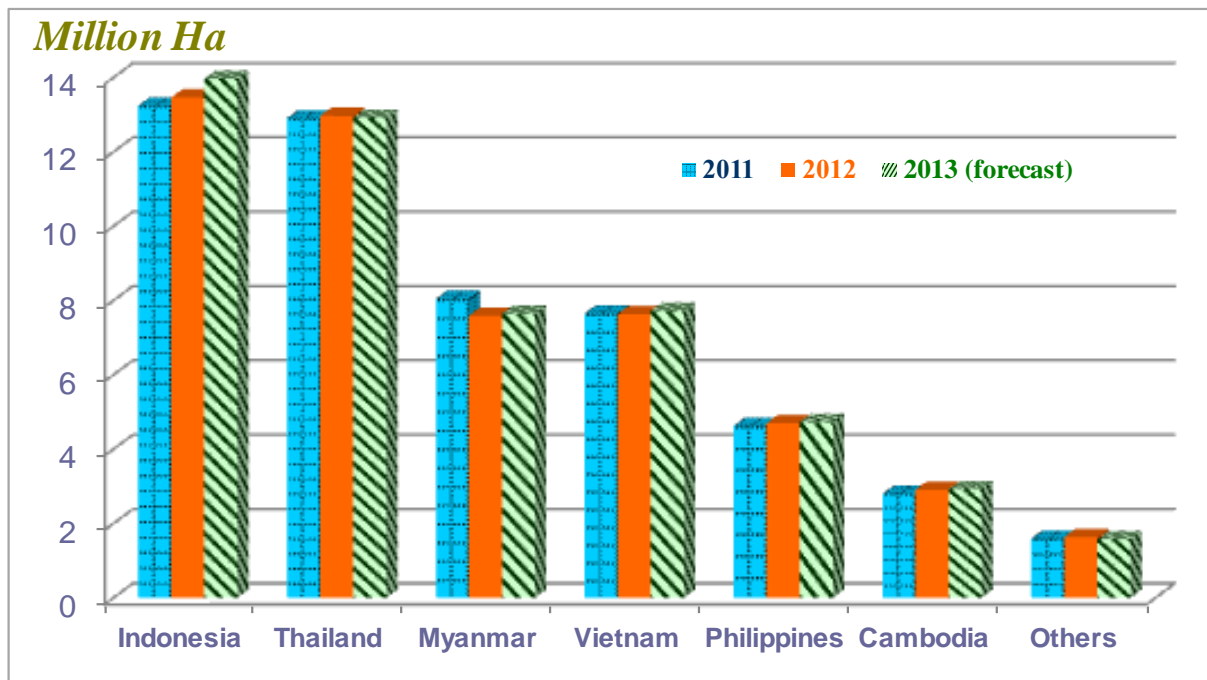
Note: Yield related to harvested area excepts Vietnam which related to planted area.

<sup>1/</sup> The value of 2013 is forecasted by AFSIS

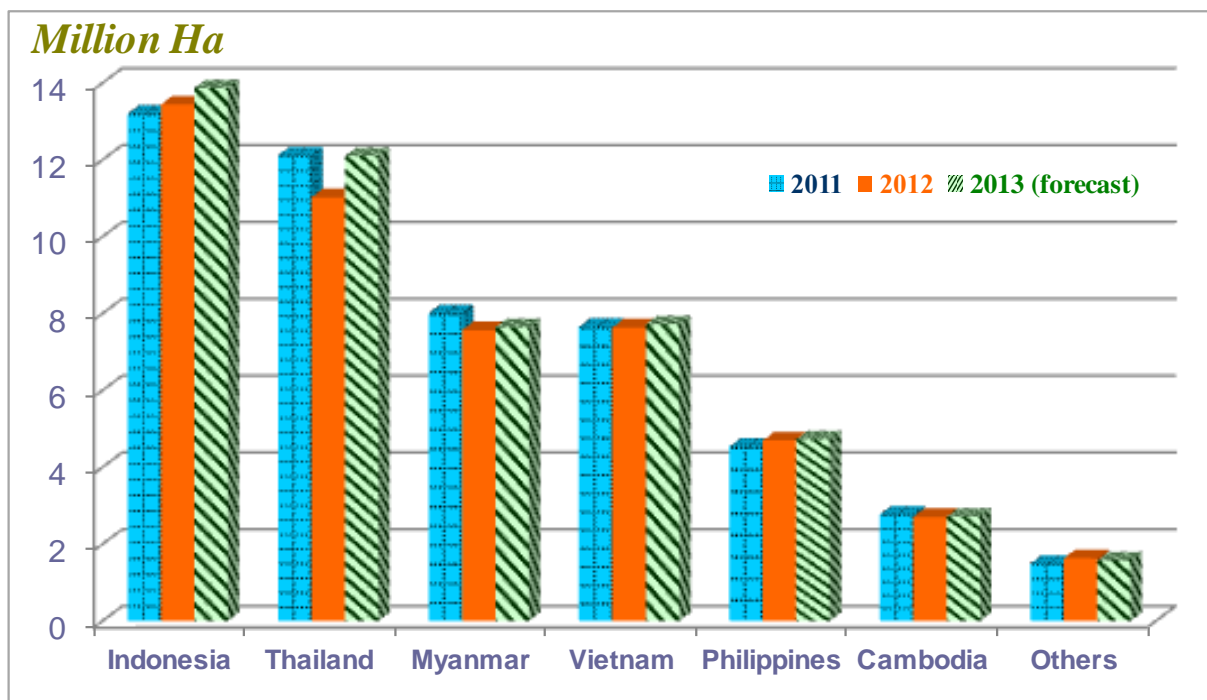
**Table 5 Paddy damaged area in ASEAN by cause of damage, 2012**

Country	Cause of Damage (Hectares)					Total
	Flood	Drought	Pests	Diseases	Unspecified	
<b>ASEAN</b>	<b>1,973,525</b>	<b>77,912</b>	<b>150,729</b>	<b>72</b>	<b>8,040</b>	<b>2,210,278</b>
Brunei	24	28	59	72	-	183
Cambodia	201,822	473	-	-	-	202,295
Indonesia	20,315	1,573	1,465	0	0	23,353
Lao PDR	0	0	0	0	0	0
Malaysia	0	0	0	0	8,040	8,040
Myanmar	25,737	0	0	0	0	25,737
Philippines	6,645	0	0	0	-	6,645
Singapore	-	-	-	-	-	-
Thailand	1,718,982	75,838	149,205	0	0	1,944,025
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

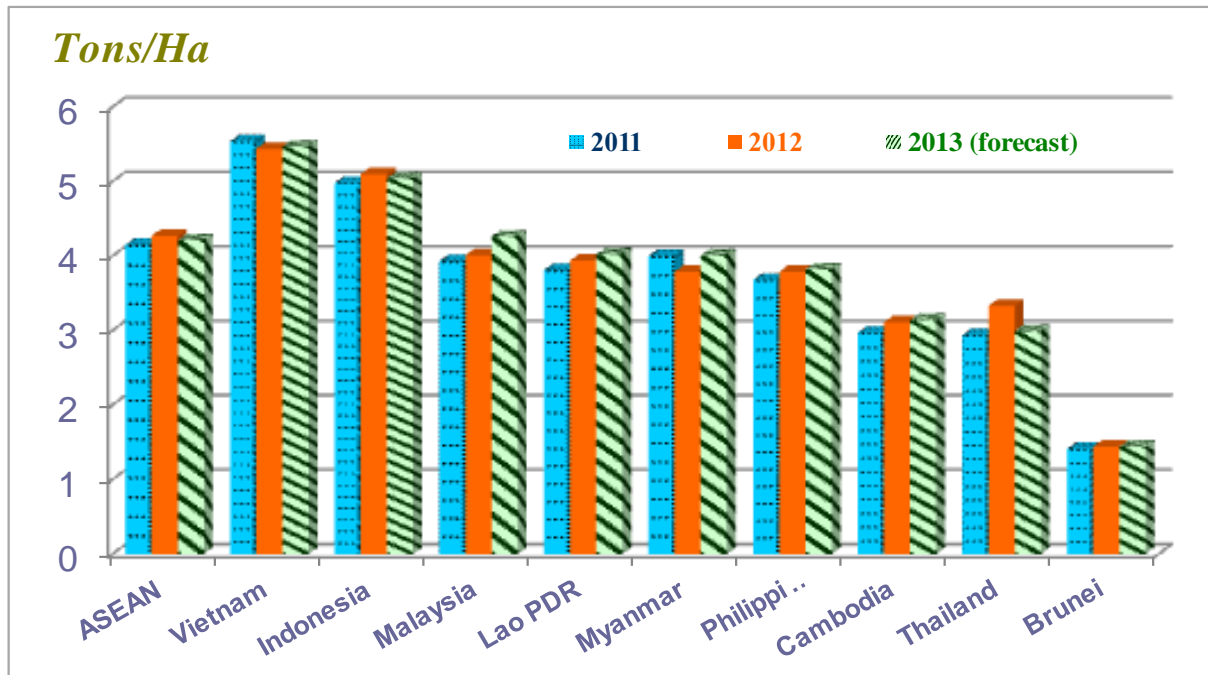
**Figure 1 Paddy production of selected countries in ASEAN, 2011-2013**



**Figure 2 Paddy planted area of selected countries in ASEAN, 2011-2013**



**Figure 3 Paddy harvested area of selected countries in ASEAN, 2011-2013**



**Figure 4 Paddy yield of countries in ASEAN, 2011-2013**

## **Maize Situation in ASEAN**

### **Production**

The maize production in ASEAN in 2012 (crop year 2011/12) was estimated at 38.77 million tons compared to 37.08 million tons in 2011 an increase about 1.69 million tons or about 5 percent (Table 14, Figure 14). On the country by country basis, the production in Indonesia, Philippines, Lao PDR and Cambodia have increased while in other three producing countries namely; Thailand, Vietnam and Myanmar, the production estimates have decreased. The increase in production in Indonesia, the biggest maize producing in the region, attributed to the increase in both area due to increase in the price of maize and the yield due to the farmers used more improved variety and favorable weather. The cause of reduction in production in Thailand was due to the decrease in both area and yield which is similar to Vietnam. For Myanmar, the decrease in production was due to the reduction in the yield only.

The maize production is forecast to be 39.17 million tons in 2013, up about one percent from previous year. Most countries except Indonesia, the production is forecast to increase. The increase comes from the expansion of area and the increase in yield. The expansion of area is due to farmers respond to price increase. The maize production of Indonesia expected to reduce from 292 as a result of competing with other food crop.

### **Harvested Area**

The total harvested area of maize in ASEAN in 2012 (crop year 2011/12) was estimated at 9.61 million hectares, up 0.23 million hectare or about 2 percent from 9.38 million hectares in 2011 (Table 16, Figure 16). On the country by country basis, only Thailand and Vietnam that the harvested areas have decreased.

The harvested area of maize in 2013 (crop year 2012/13) is forecast to be 9.69 million hectares, up less than one percent from 2012. All countries, except Indonesia and Thailand, are expected to have an increase in harvested area.



## Yield

The average maize yield in ASEAN in 2012 (crop year 2011/12) was estimated at 4.03 tons/ha, up about 2 percent from 3.95 tons/ha in 2011 (Table 17, Figure 17). All countries, except Indonesia and Thailand, the yields have increased. The increases in the use of improved variety and favorable weather are the factors that contributed to the increased in the yield in most countries in the region.

The average yield in ASEAN in 2013 is forecast to be 4.04 tons/ha which is about the same as in 2012. Only Indonesia that the yield is expected to slightly decrease while other countries the yields are expected to increase.

## Damaged Area

The total damaged area for maize in ASEAN in 2012 was reported to be 31,146 hectares. The biggest damaged area came from the drought which shared about 96 percent of the total damaged area. The rest of the damage was caused by the flood. The damage due to the pest and disease were almost negligible. The most affected by the drought was Thailand (Table 10).

**Table 6 Maize production in ASEAN countries, 2011-2013**

Unit: 1,000 Tons

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>37,084.71</b>	<b>38,769.90</b>	<b>1,685.19</b>	<b>4.54</b>	<b>39,173.69</b>	<b>403.79</b>	<b>1.04</b>
Brunei	-	-	-	-	-	-	-
Cambodia	699.28	712.00	12.72	1.82	720.20	8.20	1.15
Indonesia	17,629.03	18,945.12	1,316.09	7.47	18,413.34	-531.78	-2.81
Lao PDR	911.38	1,052.31	140.93	15.46	1,065.94	13.63	1.30
Malaysia	-	-	-	-	-	-	-
Myanmar <sup>1/</sup>	1,354.64	1,222.35	-132.29	-9.77	1,350.00	127.65	10.44
Philippines	6,971.22	7,459.61	488.39	7.01	7,912.37	452.76	6.07
Singapore	-	-	-	-	-	-	-
Thailand	4,779.61	4,682.21	-97.40	-2.04	4,749.85	67.64	1.44
Vietnam	4,739.55	4,696.30	-43.25	-0.91	4,962.00	265.70	5.66

Note: <sup>1/</sup> The value of 2013 is forecasted by AFSIS

**Table 7 Maize Planted area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>9,427.09</b>	<b>9,642.00</b>	<b>214.91</b>	<b>2.28</b>	<b>9,724.94</b>	<b>82.94</b>	<b>0.86</b>
Brunei	-	-	-	-	-	-	-
Cambodia	161.60	163.20	1.60	0.99	164.10	0.90	0.55
Indonesia	3,861.48	3,999.46	137.99	3.57	3,952.80	-46.66	-1.17
Lao PDR	180.39	203.61	23.22	12.87	205.00	1.40	0.69
Malaysia	-	-	-	-	-	-	-
Myanmar <sup>1/</sup>	389.44	411.68	22.24	5.71	420.00	8.32	2.02
Philippines	2,556.08	2,612.73	56.65	2.22	2,695.03	82.29	3.15
Singapore	-	-	-	-	-	-	-
Thailand	1,160.52	1,148.92	-11.60	-1.00	1,148.01	-0.91	-0.08
Vietnam	1,117.60	1,102.40	-15.20	-1.36	1,140.00	37.60	3.41

Note: <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 8 Maize harvested area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>9,381.36</b>	<b>9,610.31</b>	<b>228.95</b>	<b>2.44</b>	<b>9,685.98</b>	<b>75.67</b>	<b>0.79</b>
Brunei	-	-	-	-	-	-	-
Cambodia	160.91	162.50	1.60	0.99	163.30	0.80	0.49
Indonesia	3,861.43	3,997.47	136.04	3.52	3,947.56	-49.91	-1.25
Lao PDR	180.39	203.61	23.22	12.87	205.00	1.40	0.69
Malaysia	-	-	-	-	-	-	-
Myanmar <sup>1/</sup>	389.07	411.48	22.41	5.76	420.00	8.52	2.07
Philippines	2,544.61	2,612.37	67.76	2.66	2,695.03	82.65	3.16
Singapore	-	-	-	-	-	-	-
Thailand	1,127.36	1,120.48	-6.88	-0.61	1,115.10	-5.38	-0.48
Vietnam	1,117.60	1,102.40	-15.20	-1.36	1,140.00	37.60	3.41

Note: <sup>1/</sup> The value of 2013 is forecasted by AFSIS

**Table 9 Maize Yield in ASEAN countries, 2011-2013**

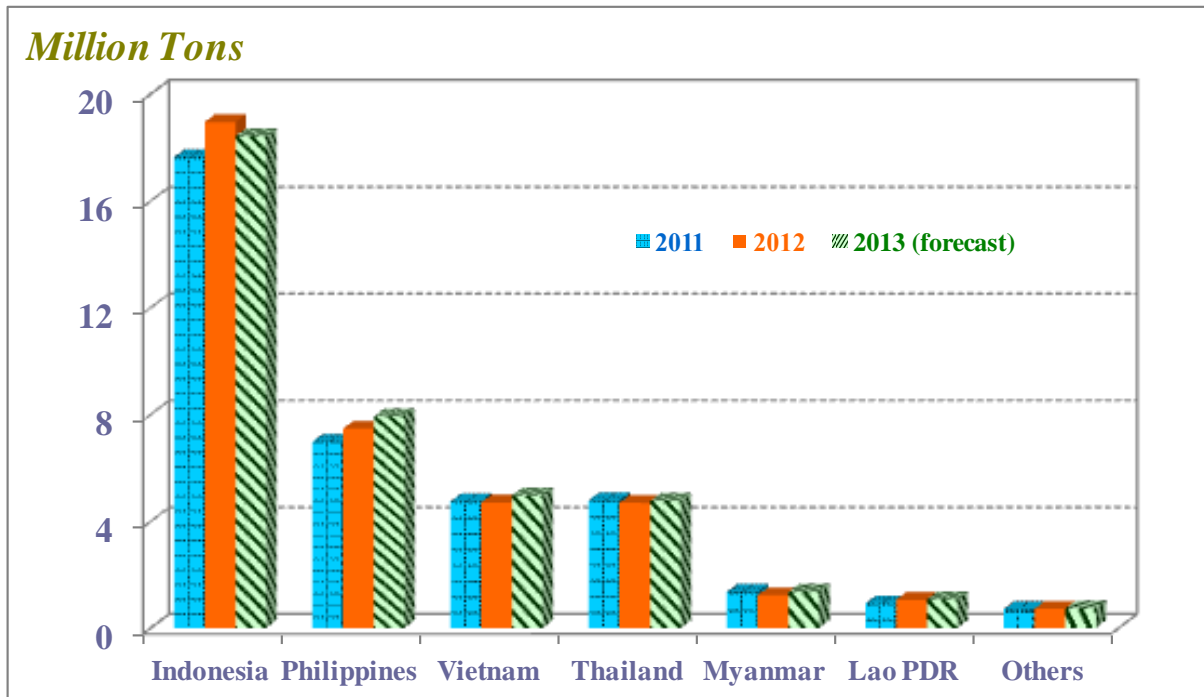
Unit: Ton/Hectare

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>3.95</b>	<b>4.03</b>	<b>0.08</b>	<b>2.03</b>	<b>4.04</b>	<b>0.01</b>	<b>0.25</b>
Brunei	-	-	-	-	-	-	-
Cambodia	4.35	4.38	0.03	0.69	4.41	0.03	0.68
Indonesia	4.57	4.74	0.17	3.72	4.66	-0.08	-1.69
Lao PDR	5.05	5.17	0.12	2.38	5.20	0.03	0.58
Malaysia	-	-	-	-	-	-	-
Myanmar <sup>1/</sup>	3.48	2.97	-0.51	-14.66	3.21	0.24	8.08
Philippines	2.74	2.86	0.12	4.38	2.94	0.08	2.80
Singapore	-	-	-	-	-	-	-
Thailand	4.24	4.18	-0.06	-1.42	4.26	0.08	1.91
Vietnam	4.24	4.26	0.02	0.47	4.35	0.09	2.11

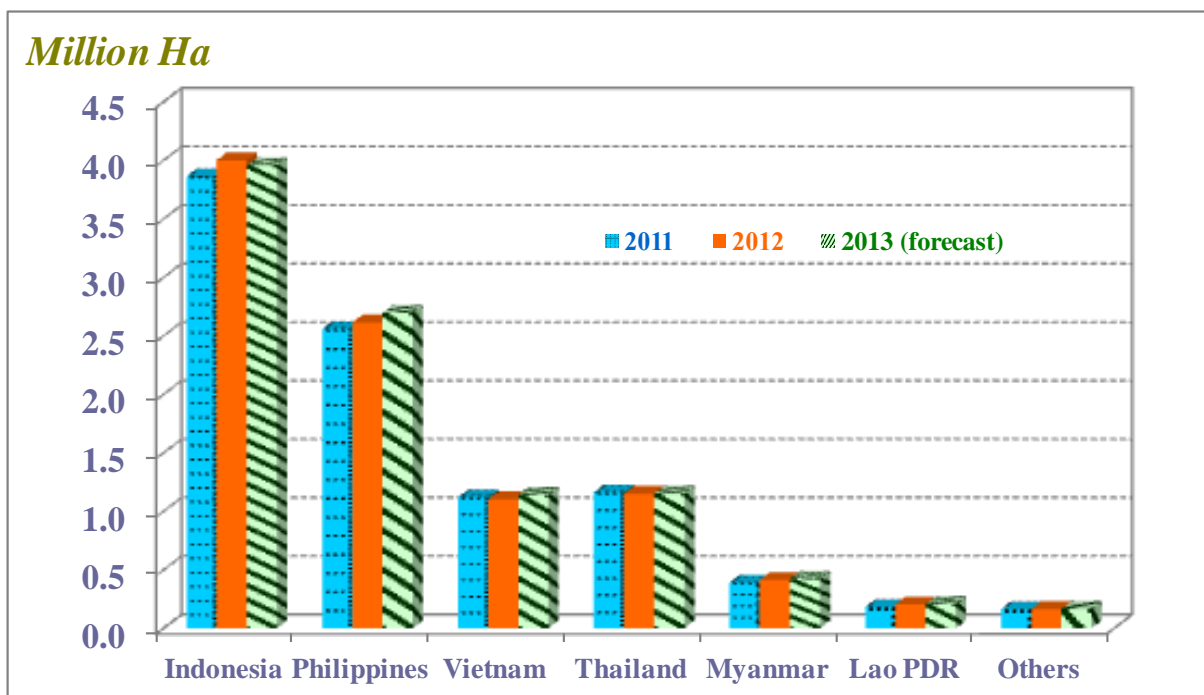
Note: <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 10 Maize damaged area in ASEAN by cause of damage, 2012**

Country	Cause of Damage (Hectares)						
	Flood	Drought	Pests	Diseases	Unspecified	Others	Total
<b>ASEAN</b>	<b>1,264</b>	<b>29,840</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31,146</b>
Brunei	-	-	-	-	-	-	-
Cambodia	700	-	-	-	-	-	700
Indonesia	-	-	42	-	-	-	42
Lao PDR	-	-	-	-	-	-	0
Malaysia	-	-	-	-	-	-	0
Myanmar	205	-	-	-	-	-	205
Philippines	359	-	-	-	-	0	359
Singapore	-	-	-	-	-	-	-
Thailand	0	29,840	-	-	-	-	29,840
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

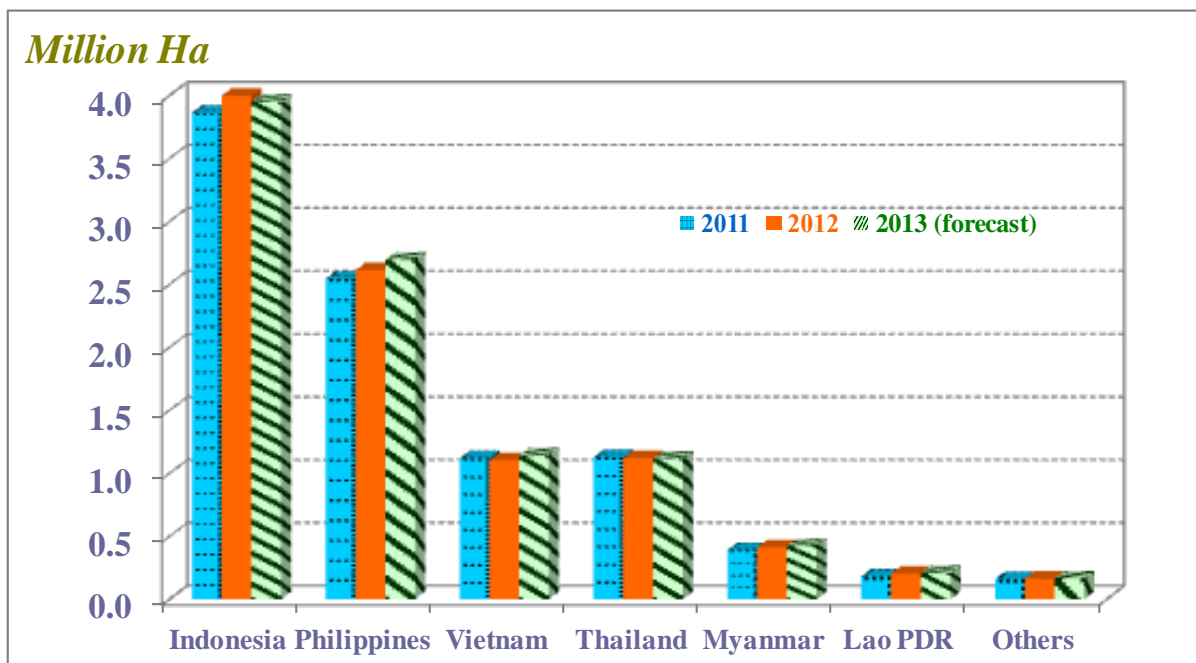
Note: Damaged area that Indonesia reported not equal to planted area minus harvested area



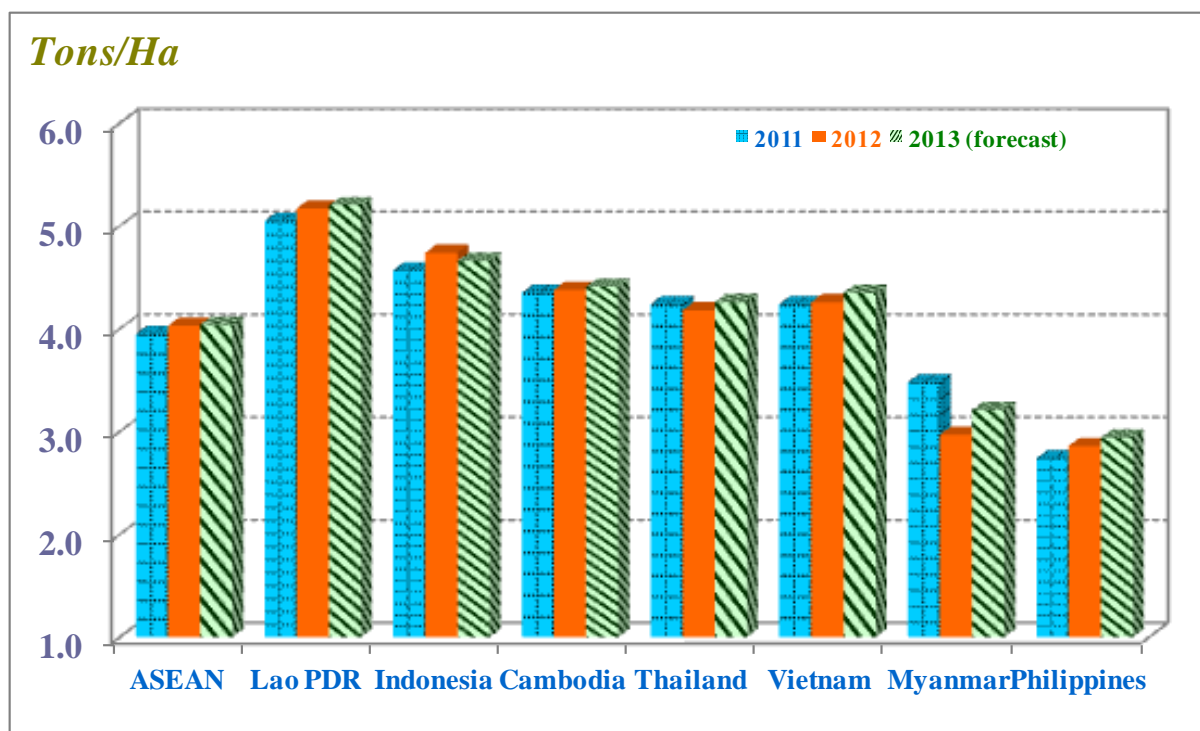
**Figure 5 Maize production of selected countries in ASEAN, 2011-2013**



**Figure 6 Maize planted area of selected countries in ASEAN, 2011-2013**



**Figure 7 Maize harvested area of selected countries in ASEAN, 2011-2013**



**Figure 8 Maize yield of countries in ASEAN, 2011-2013**

## **Sugarcane Situation in ASEAN**

### **Production**

The estimate of sugarcane production in ASEAN in 2012 (crop year 2011/12) was 169.53 million tons, an increase of 3.08 million tons or 1.85 percent from 166.45 million tons in 2011 (Table 11, Figure 11). The increase was very much smaller than the increase of about 38 million tons between 2010 and 2011. All countries, except the Philippines, the production have increased. The increase in production in most countries was due to the increase in both area and yield. For the Philippines, the decrease in production was due to the decrease in both area and yield.

The sugarcane production in ASEAN is forecasted to further increase from 169.53 million tons in 2012 to 170.67 million tons in 2013. This is due to the increase in both area and yield.

### **Harvested area**

The harvested area of sugarcane in ASEAN in 2012 (crop year 2011/12) was estimated to be 2.66 million hectares, up by about 0.05 million hectares which is 1.86 percent from the previous year (Table 13, Figure 11). The increase in harvested area was due to the price response of the farmers and the favorable weather. In terms of magnitude of growth, Thailand, the biggest sugarcane producing country in the region, had increased the most. However in terms of percentage growth, the highest increase occurred in Lao PDR. The harvested area in Lao PDR had increased very significantly due to the upsurge in demand from the sugar factories which still need more cane.

The harvested area in 2013 is forecasted to be 2.66 million hectares, up by 0.02 percent from the previous year. This is because it is expected that the sugar price will continue to be at a very high level thus high return to farmers is expected.

### **Yield**

The average yield of sugarcane in ASEAN in 2012 (crop year 2011/12) was estimated at 63.67 tons per hectare, down from 63.68 tons per hectares in 2011 (Table 14, Figure 12). All cane growing countries, except the Philippines, the yields have increased. The significant decrease in yield in the Philippines relative to the small increases in other countries caused the minimal drop in the regional yield. The reasons for the increases in the yield was due to the farmers

taking care of their crop better in response to the increase in price received together with the favorable weather. The decrease in the yield in the Philippines was due to too much rain and farmer used less fertilizer.

The yield of sugarcane in 2013 is forecasted to be 64.09 tons per hectare, a slightly increase from 63.67 tons per hectare in 2012. Most countries are expected to have an increase in yield, except for Indonesia where the yield is anticipated to decrease.

### Damaged Area

The total damaged area was in 2012 reported to be about 38,351 hectares. Most of the damage was caused by the flood and the drought respectively. Thailand has the biggest damage area due to both flood and drought. (Table 15)

**Table 11 Sugarcane production in ASEAN countries, 2011-2013**

Unit: 1,000 Tons

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>166,450.23</b>	<b>169,531.05</b>	<b>3,080.82</b>	<b>1.85</b>	<b>170,666.56</b>	<b>1,135.51</b>	<b>0.67</b>
Brunei	-	-	-	-	-	-	-
Cambodia	524.12	547.45	23.33	4.45	550.70	3.25	0.59
Indonesia	14,966.01	16,908.20	1,942.19	12.98	15,240.14	-1,668.06	-9.87
Lao PDR	1,222.00	1,534.50	312.50	25.57	1,800.00	265.50	17.30
Malaysia	-	-	-	-	-	-	-
Myanmar	9,249.46	9,537.43	287.98	3.11	9,700.00	162.57	1.70
Philippines	28,376.52	25,126.45	-3,250.07	-11.45	25,790.34	663.89	2.64
Singapore	-	-	-	-	-	-	-
Thailand	95,950.42	98,402.22	2,451.80	2.56	99,605.38	1,203.16	1.22
Vietnam	16,161.70	17,474.80	1,313.10	8.12	17,980.00	505.20	2.89

Note: <sup>1/</sup> The value of 2013 is forecasted by AFSIS

**Table 12 Sugarcane planted area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>2,646.04</b>	<b>2,700.86</b>	<b>54.82</b>	<b>2.07</b>	<b>2,713.75</b>	<b>12.89</b>	<b>0.48</b>
Brunei	-	-	-	-	-	-	-
Cambodia	24.10	25.10	1.00	4.14	25.21	0.11	0.42
Indonesia	457.62	475.87	18.25	3.99	465.80	-10.07	-2.12
Lao PDR	24.77	31.00	6.24	25.18	34.00	3.00	9.68
Malaysia	-	-	-	-	-	-	-
Myanmar	151.51	154.28	2.77	1.83	156.00	1.72	1.11
Philippines	439.70	422.19	-17.51	-3.98	429.84	7.65	1.81
Singapore	-	-	-	-	-	-	-
Thailand	1,279.25	1,309.20	29.95	2.34	1,312.90	3.70	0.28
Vietnam	269.10	283.22	14.12	5.25	290.00	6.78	2.39

Note: <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 13 Sugarcane harvested area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2010/11)	change 2011 over 2010		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>2,614.00</b>	<b>2,662.51</b>	<b>48.50</b>	<b>1.86</b>	<b>2,663.02</b>	<b>0.51</b>	<b>0.02</b>
Brunei	-	-	-	-	-	-	-
Cambodia	24.05	25.10	1.05	4.38	25.21	0.11	0.42
Indonesia	447.13	465.58	18.45	4.13	434.07	-31.51	-6.77
Lao PDR	24.77	31.00	6.24	25.18	34.00	3.00	9.68
Malaysia	-	-	-	-	-	-	-
Myanmar	150.02	153.28	3.26	2.17	155.00	1.72	1.12
Philippines	439.70	422.19	-17.51	-3.98	429.84	7.65	1.81
Singapore	-	-	-	-	-	-	-
Thailand	1,259.24	1,282.14	22.90	1.82	1,294.90	12.76	1.00
Vietnam	269.10	283.22	14.12	5.25	290.00	6.78	2.39

Note: <sup>1/</sup> The value of 2013 is forecasted by AFSIS



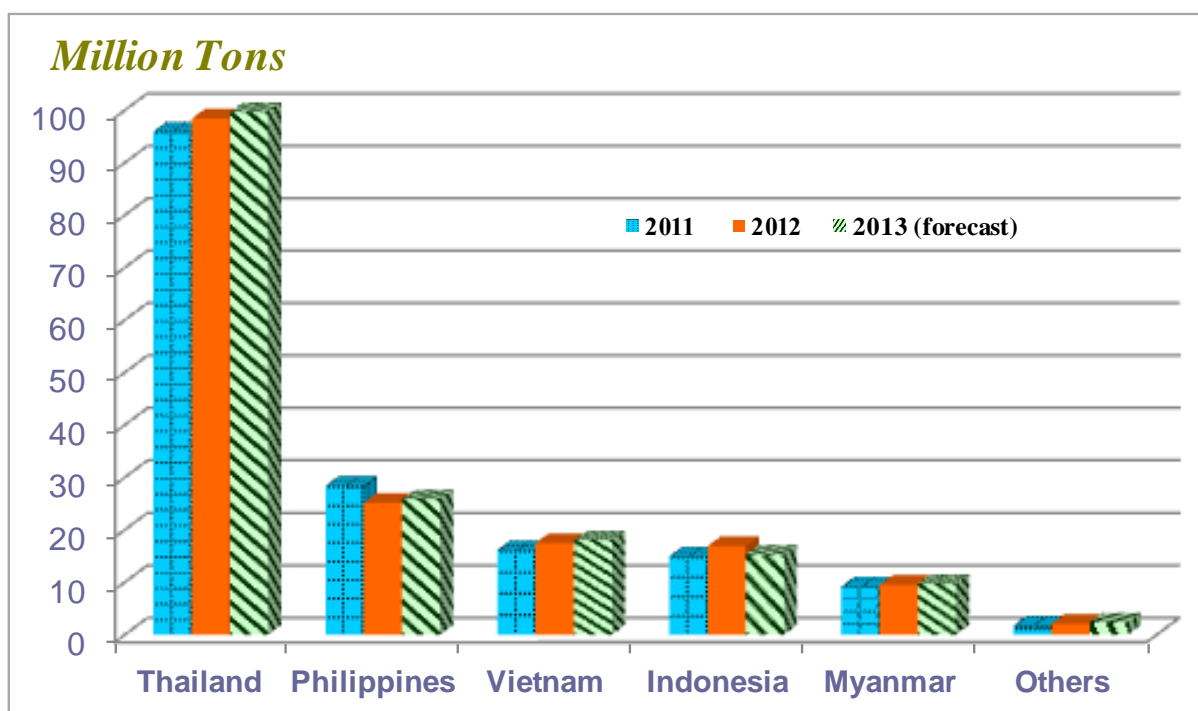
**Table 14 Sugarcane yield in ASEAN countries, 2011-2013**

Unit: Ton/Hectare

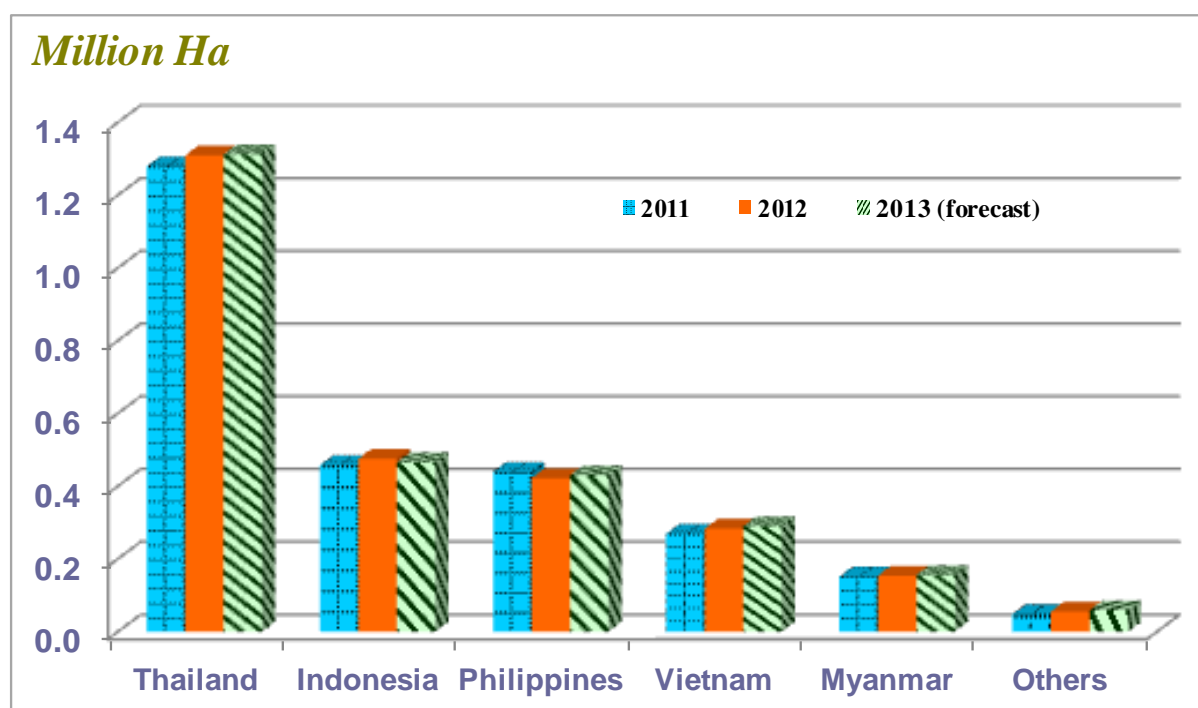
Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>63.68</b>	<b>63.67</b>	<b>-0.01</b>	<b>-0.02</b>	<b>64.09</b>	<b>0.42</b>	<b>0.66</b>
Brunei	-	-	-	-	-	-	-
Cambodia	21.80	21.81	0.01	0.05	21.85	0.04	0.18
Indonesia	33.47	36.32	2.85	8.52	35.11	-1.21	-3.33
Lao PDR	49.34	49.50	0.16	0.32	52.94	3.44	6.95
Malaysia	-	-	-	-	-	-	-
Myanmar	61.66	62.22	0.56	0.91	62.58	0.36	0.58
Philippines	64.54	59.52	-5.02	-7.78	60.00	0.48	0.81
Singapore	-	-	-	-	-	-	-
Thailand	76.20	76.75	0.55	0.72	76.92	0.17	0.22
Vietnam	60.06	61.70	1.64	2.73	62.00	0.30	0.49

Note: <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 15 Sugarcane damaged area in ASEAN by cause of damage, 2012**

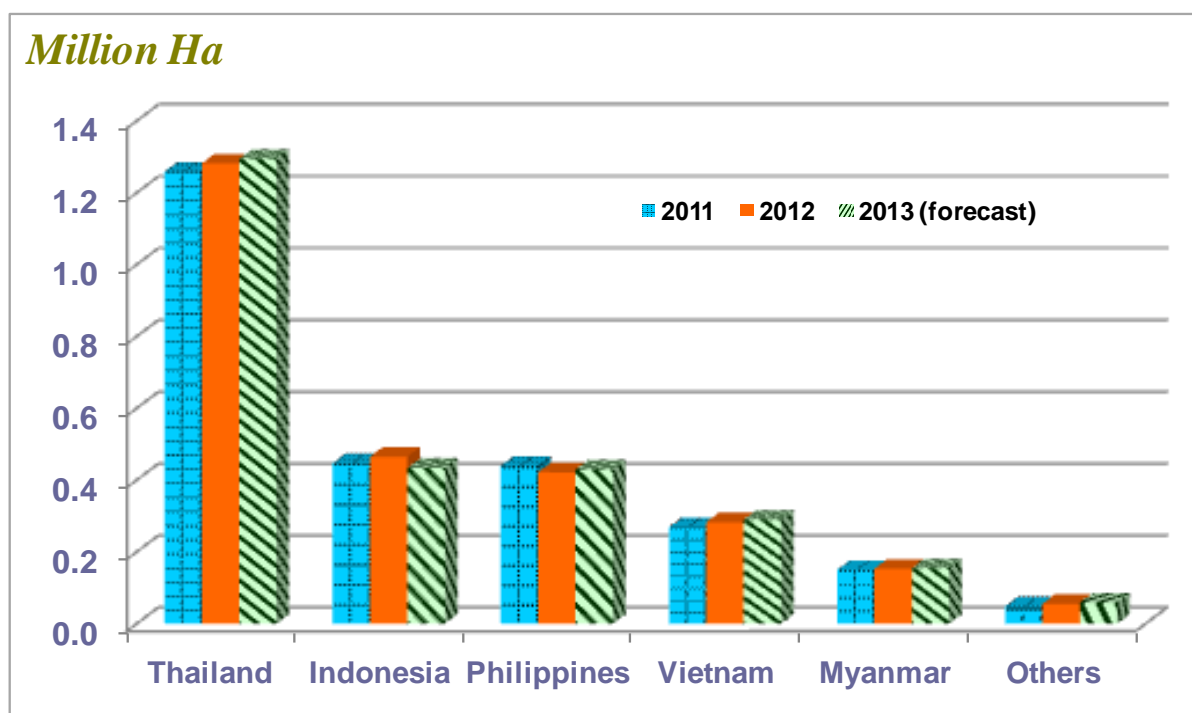
Country	Cause of Damage (Hectares)						Total
	Flood	Drought	Pests	Diseases	Others	Not specify	
<b>ASEAN</b>	<b>17,857</b>	<b>9,203</b>	<b>-</b>	<b>-</b>	<b>1,000</b>	<b>10,291</b>	<b>38,351</b>
Brunei	-	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	10,291	10,291
Lao PDR.	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-
Myanmar	-	-	-	-	1,000	-	1,000
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	17,857	9,203	-	-	-	-	27,060
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	-	n.a.



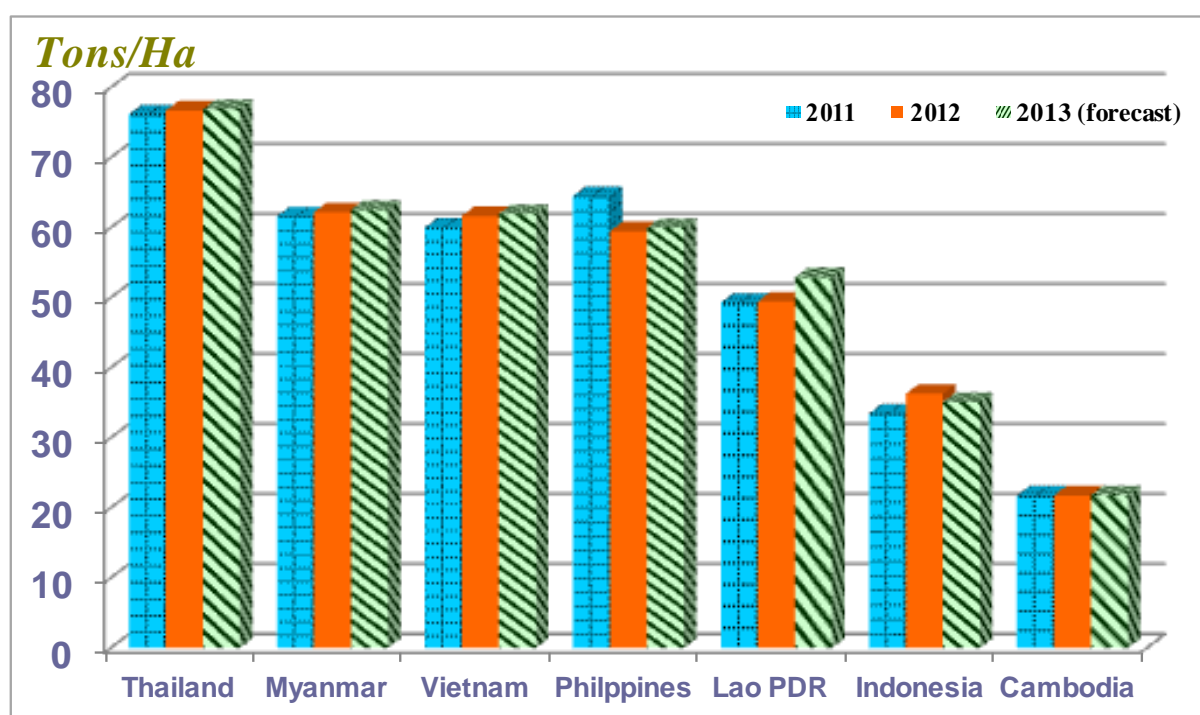
**Figure 9 Sugarcane production of selected countries in ASEAN, 2011-2013**



**Figure 10 Sugarcane planted area of selected countries in ASEAN, 2011-2013**



**Figure 11 Sugarcane harvested area of selected countries in ASEAN, 2011-2013**



**Figure 12 Sugarcane yield of selected countries in ASEAN, 2011-2013**

## **Soybean Situation in ASEAN**

### **Production**

The estimated soybean production in ASEAN in 2012 (crop year 2011/12) was estimated at 1.42 million tons down from 1.60 million tons in 2011 (Table 16, Figure 13). All countries in the region, except Lao PDR and Cambodia, the production have decreased. Production in Myanmar has reduced the most both in terms of quantity and percentage decrease. For Indonesia, the biggest soybean producing country in the region, the soybean production has also decreased significantly. The decrease in production was mainly due to the reduction in planted area while the yield changes were relatively unchanged. Brunei, Malaysia and Singapore did not grow soybeans.

The production forecast for soybeans in the region in 2013 is 1.63 million tons, up about 15 percent from the previous year. Every country except Thailand, the production is forecast to increase. The increase came from the increase in both area and yield. For Thailand, the decrease in production is forecast came from the reduction in area and yield.

### **Harvested area**

The estimated soybean harvested area for the whole ASEAN in 2012 (crop year 2011/12) was about 1.04 million hectares, down 0.08 million hectares or about 7 percent from 1.12 million hectares in 2011 (Table 18, Figure 15). Only Cambodia and Lao PDR that the harvested area has increased. For other countries, the harvested areas have decreased. The decrease in price received by farmers compared to other crops and the difficulty in obtaining seed were the factor attributed to the reduction in harvested area.

The harvested area in ASEAN is forecast to be 1.13 million hectares in 2013 compared to 1.04 million hectares in 2012, about 8 percent increase.

## Yield

The average soybeans yield in ASEAN in 2012 (crop year 2011/12) was estimated to be 1.37 tons per hectare which was about 5 percent lower than in 2011 (crop year 2010/11). The reduction in yield derived solely from Myanmar which dominated the increase in yield in other countries. (Table 19, Figure 16)

The yield forecast for 2013 is to be 1.46 tons per hectare, about 7 percent increase from the previous year. All countries, except Thailand, the yields are expected to increase.

## Damaged Area

The total damaged area of soybeans in ASEAN was reported to be 3,856 hectares of which about 3,395 hectares or 88 percent were caused by the drought which Thailand affected the most (Table 20).

**Table 16 Soybean production in ASEAN countries, 2011-2013**

Unit: 1,000 Tons

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>1,603.96</b>	<b>1,415.00</b>	-188.96	<b>-11.78</b>	<b>1,630.25</b>	<b>215.25</b>	<b>15.21</b>
Brunei	-	-	-	-	-	-	-
Cambodia	110.38	116.00	5.62	5.09	117.50	1.50	1.29
Indonesia	843.84	779.74	-64.10	-7.60	858.48	78.74	10.10
Lao PDR	13.82	15.36	1.54	11.11	17.08	1.73	11.23
Malaysia	-	-	-	-	-	-	-
Myanmar <sup>1/</sup>	254.52	148.97	-105.55	-41.47	250.00	101.03	67.82
Philippines	0.69	0.68	-0.01	-1.31	0.67	0.00	-0.89
Singapore	-	-	-	-	-	-	-
Thailand	126.52	107.48	-19.04	-15.05	105.02	-2.46	-2.29
Vietnam	254.20	246.78	-7.42	-2.92	281.50	34.72	14.07

Note : <sup>1/</sup> The value of 2013 is forecasted by AFSIS

**Table 17 Soybean planted area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>1,119.79</b>	<b>1,039.38</b>	<b>-80.41</b>	<b>-7.18</b>	<b>1,125.55</b>	<b>86.17</b>	<b>8.29</b>
Brunei	-	-	-	-	-	-	-
Cambodia	67.44	70.00	2.56	3.79	70.50	0.50	0.71
Indonesia	620.93	567.15	-53.77	-8.66	623.03	55.88	9.85
Lao PDR	9.15	9.70	0.56	6.07	10.50	0.80	8.25
Malaysia	-	-	-	-	-	-	-
Myanmar <sup>1/</sup>	169.00	157.50	-11.50	-6.81	167.00	9.50	6.03
Philippines	0.52	0.50	-0.01	-2.71	0.50	0.00	0.00
Singapore	-	-	-	-	-	-	-
Thailand	79.16	66.52	-12.63	-15.96	64.02	-2.50	-3.76
Vietnam	173.60	168.00	-5.60	-3.23	190.00	22.00	13.10

Note : <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 18 Soybean harvested area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>1,116.00</b>	<b>1,035.52</b>	<b>-80.48</b>	<b>-7.21</b>	<b>1,118.59</b>	<b>83.07</b>	<b>8.02</b>
Brunei	-	-	-	-	-	-	-
Cambodia	65.90	68.40	2.50	3.79	69.00	0.60	0.88
Indonesia	620.93	566.69	-54.24	-8.73	617.85	51.16	9.03
Lao PDR	9.15	9.70	0.56	6.07	10.50	0.80	8.25
Malaysia	-	-	-	-	-	-	-
Myanmar <sup>1/</sup>	169.00	157.50	-11.50	-6.81	167.00	9.50	6.03
Philippines	0.52	0.50	-0.01	-2.71	0.50	-0.01	-1.59
Singapore	-	-	-	-	-	-	-
Thailand	76.91	64.73	-12.18	-15.83	63.75	-0.98	-1.52
Vietnam	173.60	168.00	-5.60	-3.23	190.00	22.00	13.10

Note: Vietnam reported only planted area., <sup>1/</sup> The value of 2013 is forecasted by AFSIS

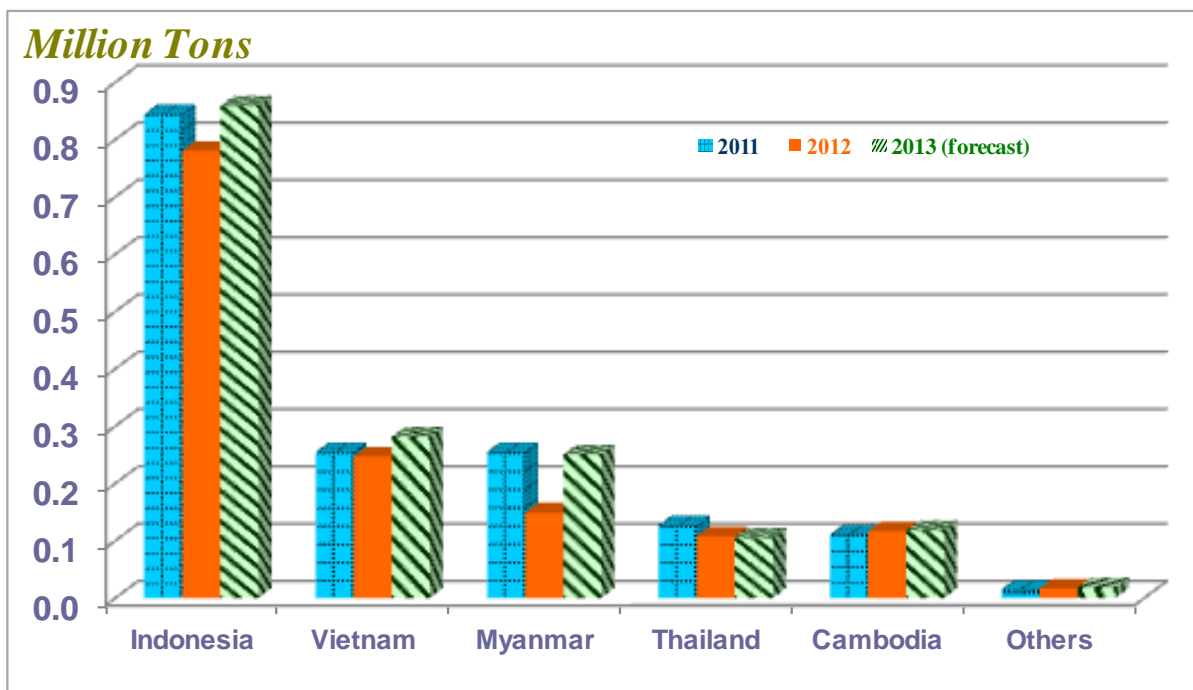
**Table 19 Soybean yield in ASEAN countries, 2011-2013**

Unit: Ton/Hectare

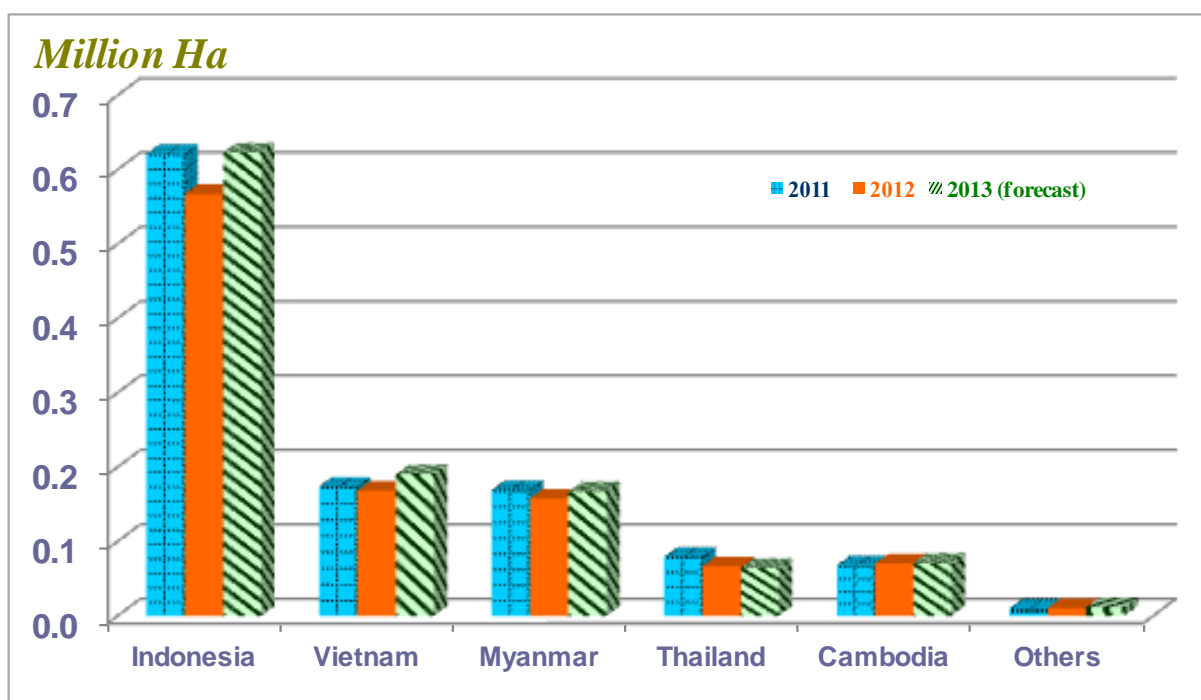
Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>1.437</b>	<b>1.366</b>	<b>-0.07</b>	<b>-4.92</b>	<b>1.457</b>	<b>0.090</b>	<b>6.66</b>
Brunei	-	-	-	-	-	-	-
Cambodia	1.675	1.696	0.02	1.26	1.703	0.010	0.41
Indonesia	1.359	1.376	0.02	1.25	1.389	0.010	0.98
Lao PDR	1.511	1.583	0.07	4.75	1.627	0.040	2.76
Malaysia	-	-	-	-	-	-	-
Myanmar <sup>1/</sup>	1.506	0.946	-0.56	-37.20	1.497	0.550	58.27
Philippines	1.325	1.344	0.02	1.43	1.354	0.010	0.71
Singapore	-	-	-	-	-	-	-
Thailand	1.645	1.660	0.02	0.93	1.647	-0.010	-0.78
Vietnam	1.464	1.469	0.00	0.32	1.482	0.010	0.86

Note: Yield related to harvested area excepts Vietnam, <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 20 Soybean damaged area in ASEAN by cause of damage, 2012**

Country	Cause of Damage (Hectares)					
	Flood	Drought	Pests	Diseases	Unspecify	Total
<b>ASEAN</b>	<b>446</b>	<b>3,395</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>3,856</b>
Brunei	-	-	-	-	-	-
Cambodia	-	1,600	-	-	-	1,600
Indonesia	446	-	15	-	-	461
Lao PDR	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-
Myanmar	-	-	-	-	-	-
Philippines	-	-	-	-	-	-
Singapore	-	-	-	-	-	-
Thailand	-	1,795	-	-	-	1,795
Vietnam	-	-	-	-	-	-



**Figure 13 Soybean production of selected countries in ASEAN, 2011-2013**



**Figure 14 Soybean planted area of selected countries in ASEAN, 2011-2013**



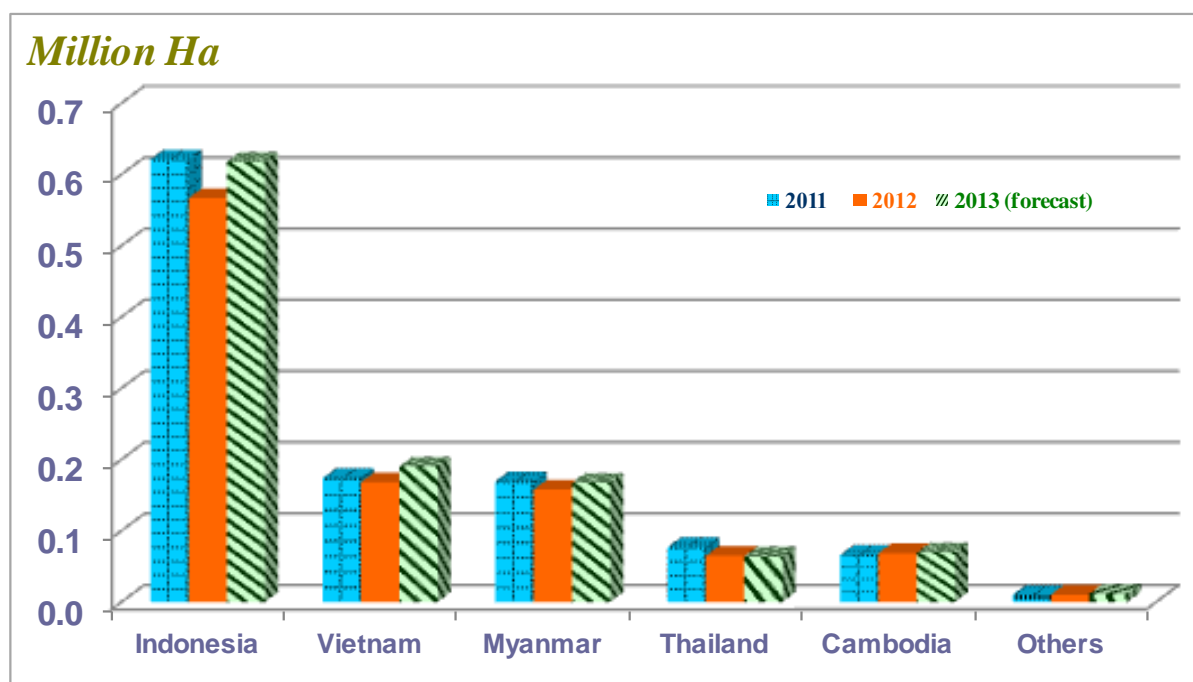


Figure 15 Soybean harvested area of selected countries in ASEAN, 2011-2013

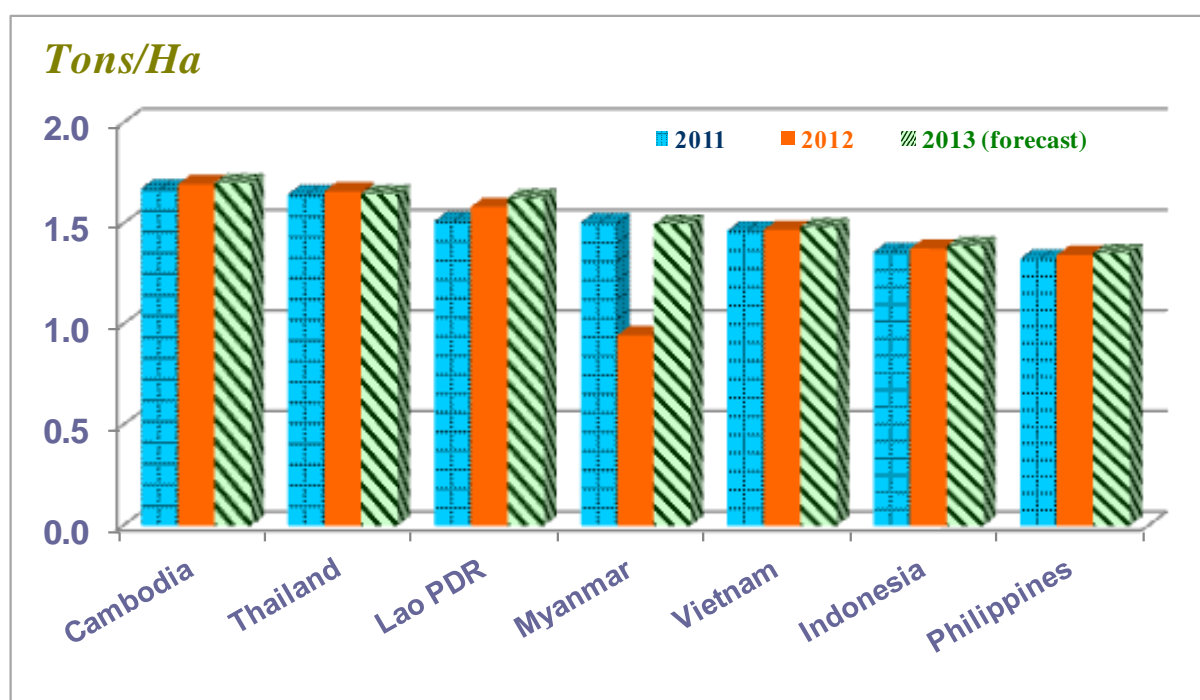


Figure 16 Soybean yield of countries in ASEAN, 2011-2013

## **Cassava Situation in ASEAN**

### **Production**

The estimated cassava production in ASEAN in 2012 (Crop year 2011/12) was 72.39 million tons compared to 67.61 million tons in 2011 (Table 21, Figure 17). Only Indonesia that the production estimated has decreased. The contraction in Indonesia was due to the reduction in both area and yield. The increase in production for other countries, except Myanmar, come from the area expansion and the increase in the yield. For Myanmar, even though the yield has decreased but the production has increased due to the increase in area.

The cassava production is forecast to increase further to 76.66 million tons in 2013. All countries are expected to have an increase in production.

### **Harvested Area**

The estimated harvested area of cassava in ASEAN in 2012 (crop year 2011/12) was 3.69 million hectares, up 0.14 million hectares or about 4 percent from the previous year (Table 23, Figure19). However, for Indonesia and the Philippines, the harvested areas have decreased which due to the unfavorable weather.

The forecast harvested area for ASEAN is about 2 percent increase from 3.69 million hectares in 2012 to 3.77 million hectares in 2013. All countries, except Thailand, the harvested area are expected to increase. The decrease in area in Thailand is due to the increase in price of competing crops.

### **Yield**

The average cassava yield in ASEAN in 2012 (crop year 2011/12) was 19.60 tons per hectare, up from 19.03 tons per hectare in the previous year (Table 24, Figure20). Only Indonesia and Myanmar that the estimated yield have decreased. The increase in yield in most cases due to the favorable weather and more improved variety was used by the farmers.

The average yield in 2013 (Crop year 2012/13) is forecast to be 20.32 tons per hectare, an increase about 4 percent from the previous year.

## Damaged Area

The total damaged area of cassava in ASEAN in 2012 was reported to be about 104,259 hectares of which 57,806 hectares or 55 percent were caused by the drought which occurred in Thailand and Cambodia. Another 45,659 hectares were caused by the flood which also affected Thailand the most (Table 25).

**Table 21 Cassava production in ASEAN countries, 2011-2013**

Unit: 1,000 Tons

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>67,610.18</b>	<b>72,388.57</b>	<b>4,778.38</b>	<b>7.07</b>	<b>76,661.34</b>	<b>4,272.77</b>	<b>5.90</b>
Brunei	-	-	-	-	-	-	-
Cambodia	8,213.93	8,300.00	86.07	1.05	8,361.00	61.00	0.73
Indonesia	24,009.62	23,712.03	-297.60	-1.24	26,449.84	2,737.81	11.55
Lao PDR	743.19	789.18	45.99	6.19	1,013.80	224.63	28.46
Malaysia	39.05	41.00	1.95	5.00	43.23	2.23	5.44
Myanmar	607.10	729.92	122.82	20.23	850.00	120.08	16.45
Philippines	2,209.68	2,252.85	43.18	1.95	2,346.23	93.37	4.14
Singapore	-	-	-	-	-	-	-
Thailand	21,912.42	26,601.09	4,688.67	21.40	27,547.24	946.15	3.56
Vietnam	9,875.20	9,962.50	87.30	0.88	10,050.00	87.50	0.88

Note : <sup>1/</sup> The value of 2013 is forecasted by AFSIS

**Table 22 Cassava planted area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>3,614.68</b>	<b>3,798.26</b>	<b>183.58</b>	<b>5.08</b>	<b>3,831.59</b>	<b>33.33</b>	<b>0.88</b>
Brunei	-	-	-	-	-	-	-
Cambodia	387.95	390.00	2.05	0.53	391.00	1.00	0.26
Indonesia	1,182.64	1,178.10	-4.54	-0.38	1,236.26	58.16	4.94
Lao PDR	31.14	33.02	1.89	6.05	42.33	9.31	28.20
Malaysia	2.91	3.05	0.15	5.02	3.21	0.15	5.01
Myanmar	44.99	56.54	11.55	25.68	62.00	5.46	9.66
Philippines	221.24	218.77	-2.47	-1.12	220.50	1.73	0.79
Singapore	-	-	-	-	-	-	-
Thailand	1,184.02	1,356.28	172.25	14.55	1,309.30	-46.98	-3.46
Vietnam	559.80	562.50	2.70	0.48	567.00	4.50	0.80

Note : <sup>1/</sup> The value of 2013 is forecasted by AFSIS

**Table 23 Cassava harvested area in ASEAN countries, 2011-2013**

Unit: 1,000 Hectares

Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>3,552.71</b>	<b>3,694.00</b>	<b>141.29</b>	<b>3.98</b>	<b>3,773.17</b>	<b>79.17</b>	<b>2.14</b>
Brunei	-	-	-	-	-	-	-
Cambodia	375.37	377.00	1.63	0.43	377.90	0.90	0.24
Indonesia	1,182.64	1,178.10	-4.54	-0.38	1,236.26	58.16	4.94
Lao PDR	31.14	33.02	1.89	6.05	42.33	9.31	28.20
Malaysia	2.15	2.26	0.11	5.02	2.37	0.11	5.00
Myanmar	44.99	56.54	11.55	25.68	62.00	5.46	9.66
Philippines	221.24	218.77	-2.47	-1.12	220.50	1.73	0.79
Singapore	-	-	-	-	-	-	-
Thailand	1,135.39	1,265.81	130.42	11.49	1,264.81	-1.00	-0.08
Vietnam	559.80	562.50	2.70	0.48	567.00	4.50	0.80

Note: Vietnam reported only planted area, Note : <sup>1/</sup> The value of 2013 is forecasted by AFSIS**Table 24 Cassava yield in ASEAN countries, 2011-2013**

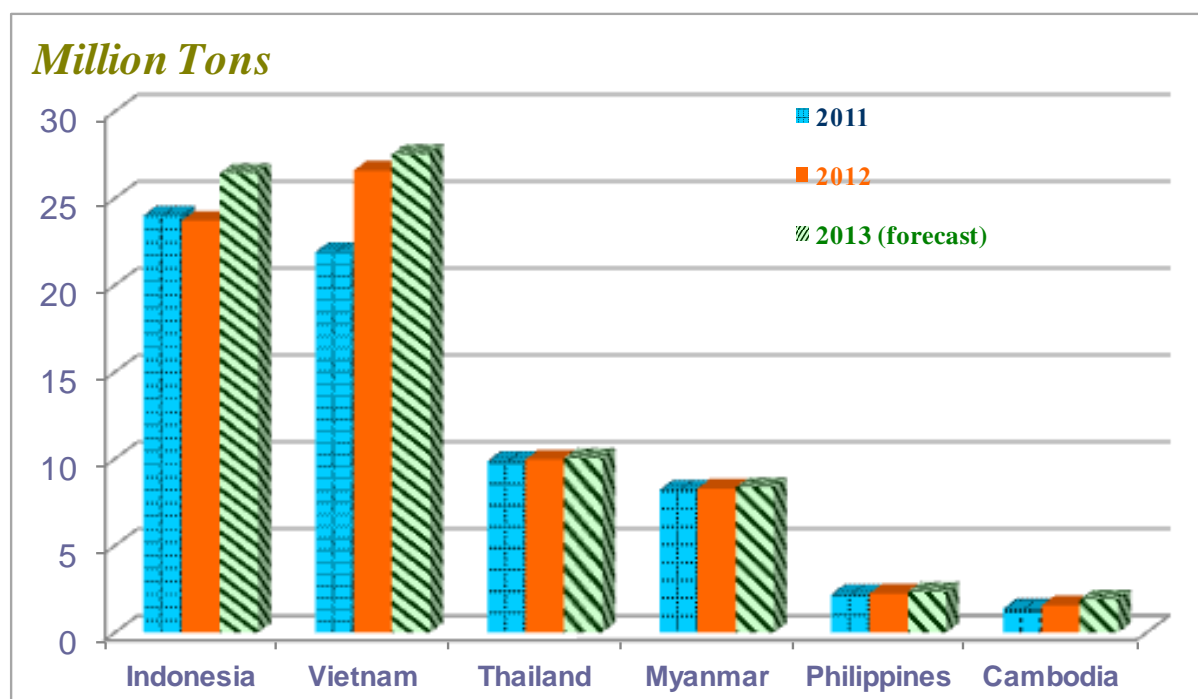
Unit: Ton/Hectare

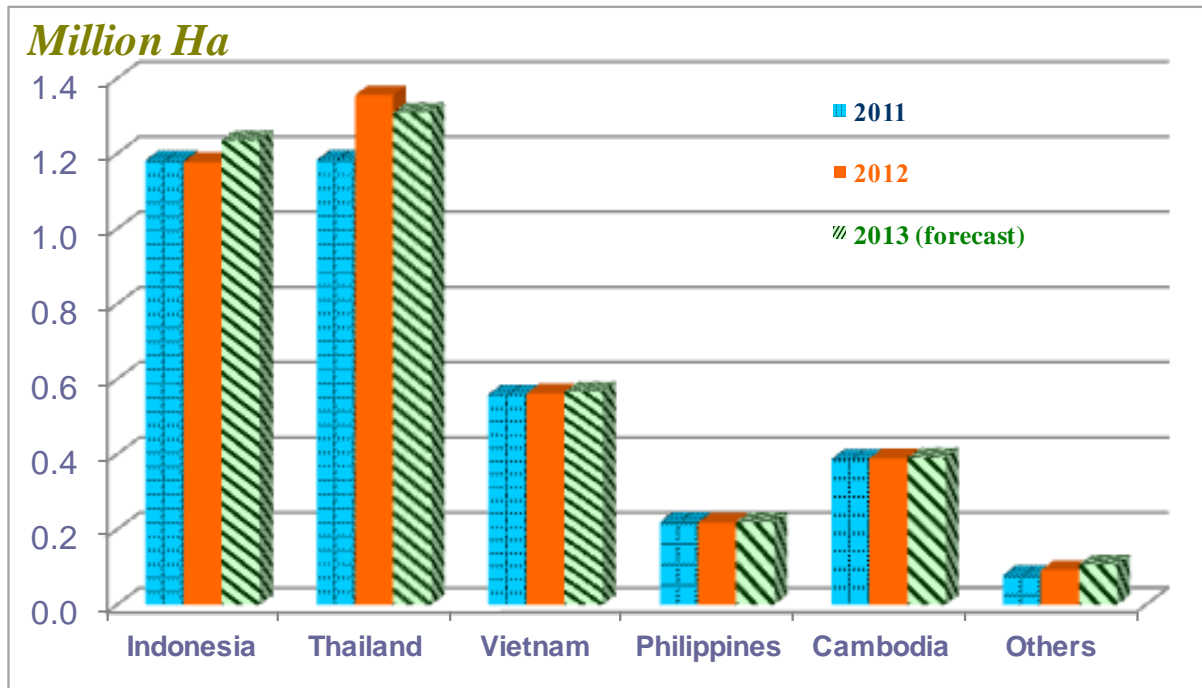
Country	2011 (2010/11)	2012 (2011/12)	change 2012 over 2011		2013 (2012/13)	change 2013 over 2012	
			Quantities	(%)		Quantities	(%)
<b>ASEAN</b>	<b>19.03</b>	<b>19.60</b>	<b>0.57</b>	<b>3.00</b>	<b>20.32</b>	<b>0.72</b>	<b>3.67</b>
Brunei	-	-	-	-	-	-	-
Cambodia	21.88	22.02	0.14	0.64	22.12	0.10	0.45
Indonesia	20.30	20.13	-0.17	-0.84	21.40	1.27	6.31
Lao PDR	23.87	23.90	0.03	0.13	23.95	0.05	0.21
Malaysia	18.15	18.15	0.00	0.00	18.23	0.08	0.44
Myanmar	13.50	12.91	-0.59	-4.37	13.71	0.80	6.20
Philippines	9.99	10.30	0.31	3.10	10.64	0.34	3.30
Singapore	-	-	-	-	-	-	-
Thailand	19.30	21.02	1.72	8.91	21.78	0.76	3.62
Vietnam	17.64	17.71	0.07	0.40	17.72	0.01	0.06

Note : <sup>1/</sup> The value of 2013 is forecasted by AFSIS

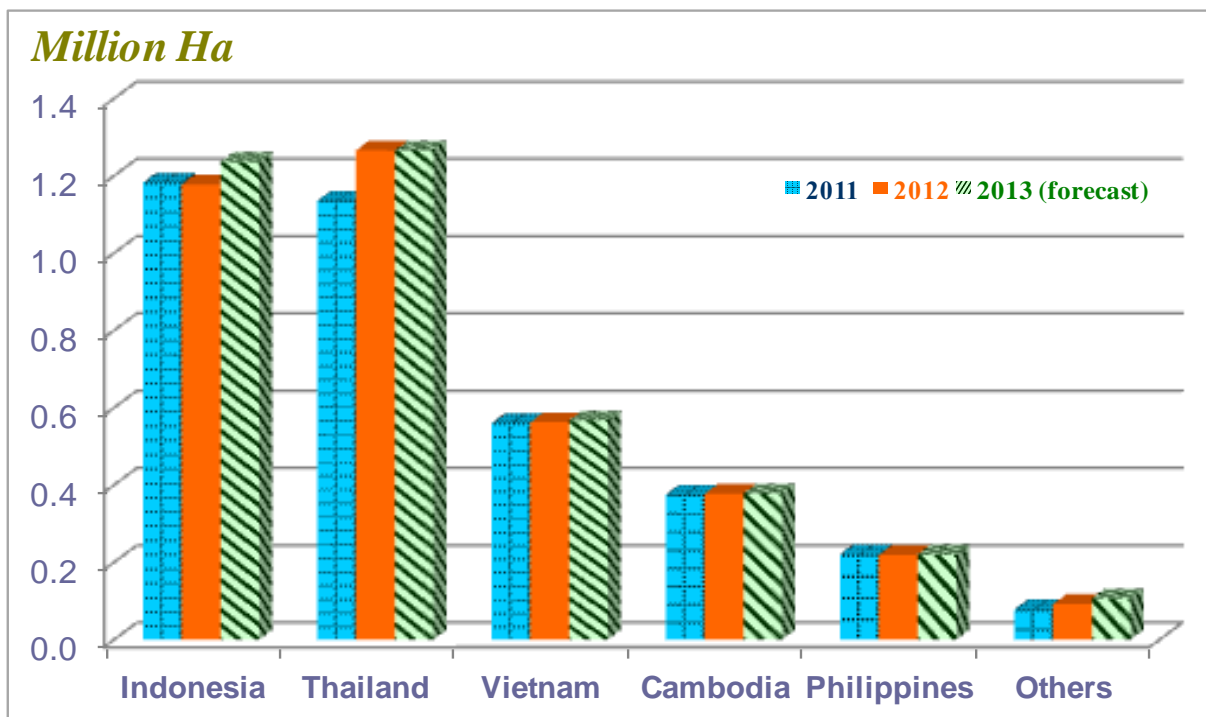
**Table 25 Cassava damaged area in ASEAN by cause of damage, 2012**

Country	Cause of Damage (Hectares)						Total
	Flood	Drought	Pests	Diseases	Others	Unspecitfy	
<b>ASEAN</b>	<b>45,659</b>	<b>57,806</b>	-	-	-	<b>794</b>	<b>104,259</b>
Brunei	-	-	-	-	-	-	-
Cambodia	-	13,000	-	-	-	-	13,000
Indonesia	-	-	-	-	-	-	-
Lao PDR	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	794	794
Myanmar	-	-	-	-	-	-	-
Philippines	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-
Thailand	45,659	44,806	0	-	-	-	90,465
Vietnam	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

**Figure 17 Cassava production of selected countries in ASEAN, 2011-2013**



**Figure 18 Cassava planted area of selected countries in ASEAN, 2011-2013**



**Figure 19 Cassava harvested area of selected countries in ASEAN, 2011-2013**

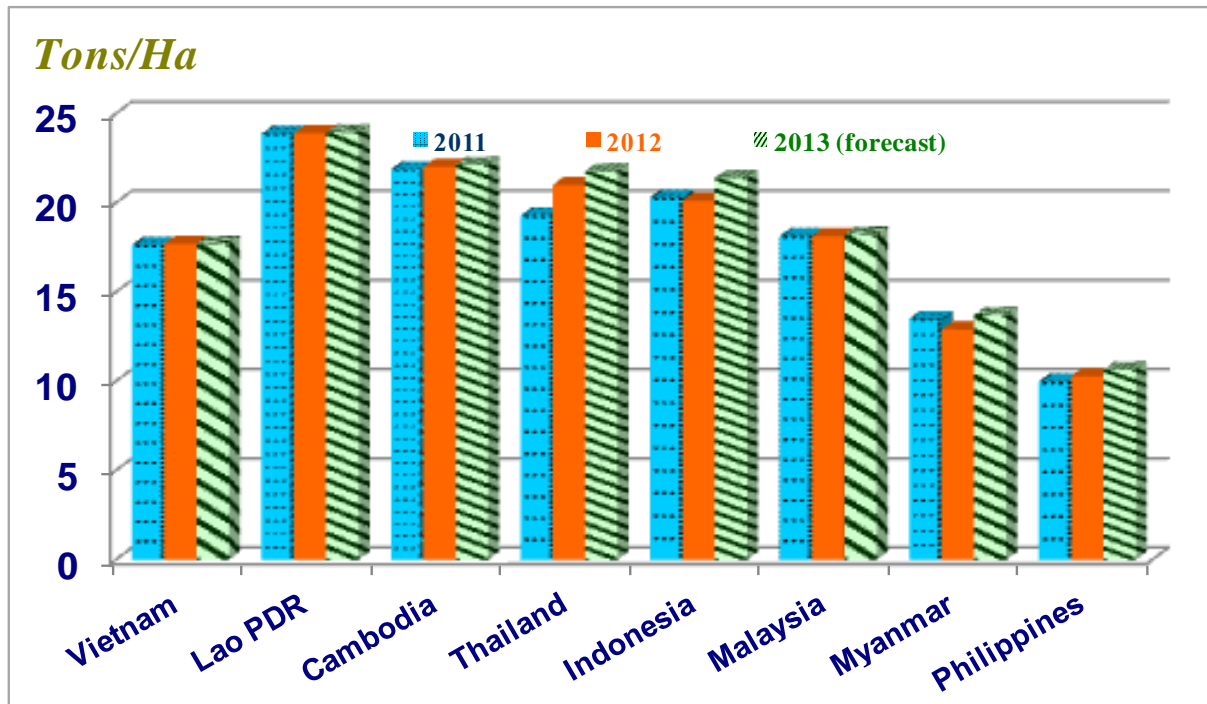


Figure 20 Cassava yield of countries in ASEAN, 2011-2013