

15<sup>th</sup> March 2018

Maha 2017/18  
Volume 04



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**Over view**

**Paddy**

- Sown extent as at end February 2018 is 643,161 ha.
- Expected paddy production—2.396 million mt.
- Paddy production is sufficient to feed the nation for 7.5 months.

**OFC**

- Cultivation progress of OFC 130,942 ha, 78% from the target.
- Maize, finger millet and ground nut progress is satisfactory.

**Vegetables**

- Up country vegetables cultivation progress 12,999 ha - 80%
- Low country vegetables cultivation progress 26,844 ha - 84%

*Paddy*

**Cultivation Progress**

- Sown extent reported as at end February 2018 is 643,161 ha; 79% achievement from the target (814,311 ha).
- Paddy cultivation progress fairly good in most of the districts whereas Kurunegala, Puttlum, and Anuradhapura districts shows below 50% progress. (Table: 2)
- Crop damages re-

ported due to drought, pest and diseases especially from Kurunegala, Polonnaruwa, Vavuniya and Gampaha districts. The total affected extent is 12,122 ha (Figure 4)

**Paddy Production**

- Paddy production forecast based on the reported sown extent as at end February 2018 and considering

the crop damages is 2.396 million metric tons; 14% drop compared with a normal Maha season's production (Figure : 1).

- The expected paddy production of Maha 2017/18 season from the extent reported would be sufficient to feed the nation for 7.5 months period (Table : 1)

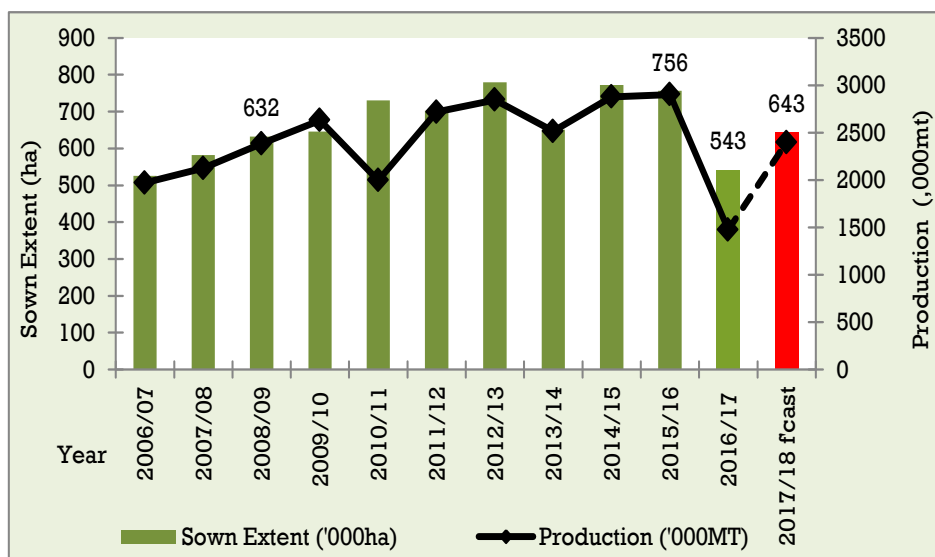


Figure 1: Paddy : Trend of paddy extent and production in Maha seasons

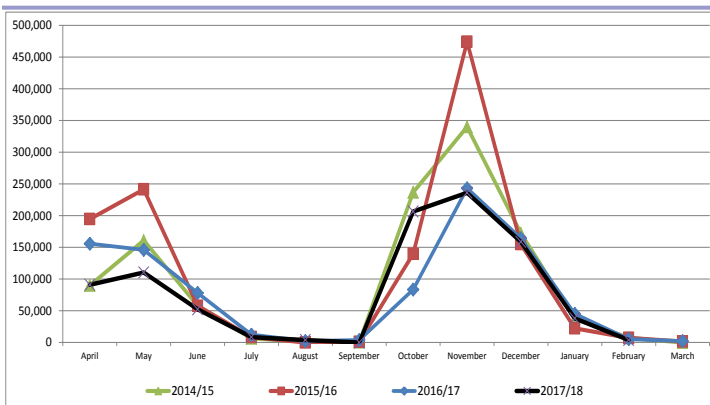


Figure 2: Paddy: Monthly cultivation extents 2014, 2015, 2016 and 2017

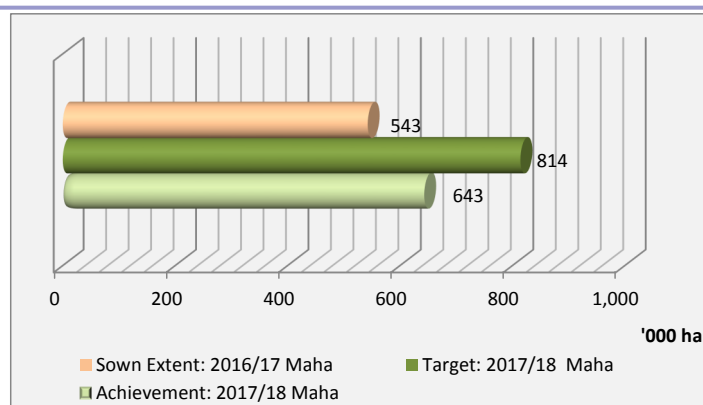


Figure 3: Paddy : Target and progress as at end February 2018 Maha 2017/18 and sown extent Maha 2016/17

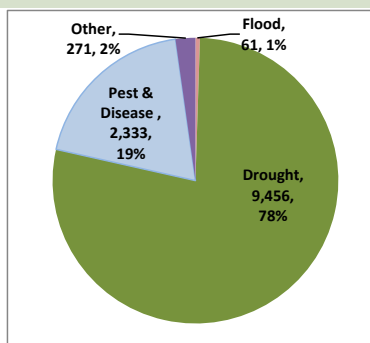


Figure 4: Paddy : Crop damages reported

Table 1: Paddy: Rice availability situation - Maha 2017/ 18

<b>Domestic rice production : 2017/18 Maha</b>		
Maha 2017/18 paddy production (forecasted production)	million mt	2.40
Wastage of paddy (6%)	million mt	0.14
Seed paddy requirement for Yala 2018 ( Sown extent Yala 2018* ) Seed paddy requirement**)	million mt	0.04
Paddy availability for consumption	million mt	2.21
Rice availability for consumption (68% milling ratio)	million mt	1.51
<b>Rice consumption/ Requirement /Usage : 2018</b>		
Rice per capita consumption	Kg/year/person	110.2
Population 2018	number	21,672,032
Total rice requirement year 2018***	million mt	2.39
Rice requirement/ month	mt	199,021
<b>Months can be fed from Maha 2017/18 production</b>		<b>7.56</b>

**Assumptions:**

Sown extent Yala 2018\* - Average sown extent of Yala 2015, 2016 & 2017

Seed paddy requirement\*\* = 102.35Kg/ha

No rice use for animal feed and manufacturing

Rice requirement for hotels, hospitals and rice based industries are not considered for calculating total rice requirement

**Sources:**

Rice requirement year 2018\*\*\* - Rice per capita consumption - Household Income and Expenditure Survey 2009/10

Population 2018 - Central Bank Report 2016 (Growth rate 1%)

Table 2: Paddy Target, sown extent as at end February 2018 and production forecast of Maha 2017/18 (based on progress)

District	Area Targeted (ha)	Achievement (ha)	Cultivation Progress as a % from target	Production Forecast based on the progress (Mmt)	Damaged extent (ha) due to Drought				Total affected extent (ha)	Expected production loss from affected area (mt)	Revised production forecast (Mmt)
					100%	75%	50%	25%			
Colombo	3,648	3,004	82	8,750	-	-	-	-	-	0	8,750
Gampaha	11,500	11,776	102	35,977	8.0	13.2	200.7	897.4	1,119	1047	34,931
Kalutara	13,500	11,092	82	36,042	-	-	-	-	-	0	36,042
Galle	15,490	11,143	72	29,784	-	-	-	-	-	0	29,784
Matara	16,414	14,316	87	48,620	29.4	22.2	44.6	47.3	143	272	48,348
Ratnapura	12,556	10,795	86	35,168	-	-	-	1.8	2	1	35,166
Kegalle	9,397	7,387	79	27,185	3.0	4.0	3.8	30.6	41	57	27,128
Kurunagala	84,180	41,126	49	164,504	-	-	7,630.0	-	7,630	15260	149,244
Puttalam	23,318	5,430	23	16,155	-	-	50.7	-	51	75	16,079
Kandy	13,343	12,372	93	39,840	2.0	-	-	15.0	17	19	39,821
Matale	23,765	15,949	67	64,948	-	-	248.0	-	248	505	64,443
Neliya	6,501	4,135	64	8,849	-	-	-	-	-	0	8,849
Badulla	21,603	14,678	68	55,998	-	-	-	-	-	0	55,998
Monaragala	38,871	32,631	84	121,520	-	-	31.0	-	31	58	121,462
Jaffna	11,900	11,540	97	25,496	-	-	-	-	-	0	25,496
Kilinochchi	23,900	23,900	100	82,468	-	-	-	-	-	0	82,468
Vavuniya	19,810	15,584	79	58,814	355.5	494.0	329.1	25.0	1,204	3385	55,429
Mullative	17,067	16,626	97	51,813	-	-	-	-	-	0	51,813
Mannar	21,350	18,361	86	82,396	-	-	-	-	-	0	82,396
Anuradhapura	96,384	38,773	40	143,414	-	-	-	-	-	0	143,414
Polonnaruwa	34,420	30,188	88	122,841	-	-	1,000.0	-	1,000	2035	120,807
Trincomalee	42,360	39,207	93	162,677	-	35.8	74.0	23.0	133	289	162,388
Batticaloa	67,692	67,856	100	164,177	-	-	-	-	-	0	164,177
Ampara	75,809	75,377	99	319,985	3.0	193.0	109.0	198.0	503	1069	318,917
Hambantota	28,550	25,456	89	124,584	-	-	-	-	-	0	124,584
Udawalawa	11,075	10,468	95	50,717	-	-	-	-	-	0	50,717
System H	12,747	13,583	107	61,938	-	-	-	-	-	0	61,938
System H1	5,250	8,215	156	37,460	-	-	-	-	-	0	37,460
System B	19,817	20,460	103	93,298	-	-	-	-	-	0	93,298
System C	23,089	22,761	99	103,790	-	-	-	-	-	0	103,790
System G	4,818	4,837	100	22,057	-	-	-	-	-	0	22,057
System L	2,047	1,919	94	8,751	-	-	-	-	-	0	8,751
System D	1,263	1,340	106	6,110	-	-	-	-	-	0	6,110
Rambakanoya	878	878	100	4,004	-	-	-	-	-	0	4,004
<b>Sri Lanka</b>	<b>814,311</b>	<b>643,161</b>	<b>79</b>	<b>2,420,130</b>	<b>401</b>	<b>762</b>	<b>9,721</b>	<b>1,238</b>	<b>12,122</b>	<b>24,071</b>	<b>2,396,059</b>

Note:

Polonnaruwa district : Data represents only the area of Deputy Director of Agriculture (Inter province) - Polonnaruwa

## Other Field Crops

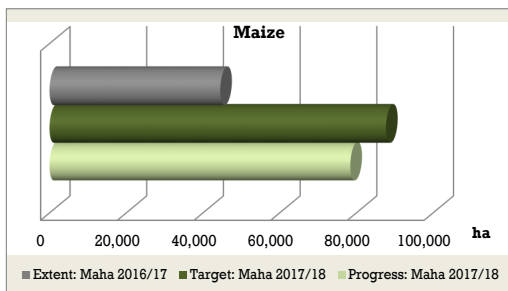


Figure 5: OFC: Target and cultivation extents as at end February 2018 of Maha 2017/18 season of Maize

- The cultivation progress of all Other Field Crops up to end February 2018 is 130,942 ha; 78% of the target and 151% from the cultivated extent of Maha 2016/17 season (Table 3).
- Most of the OFC's achieved above 50% of their target except Big Onion and Gingelly.
- Total crop affected area reported due to drought is 3153 ha especially for maize, black gram and green gram.

Table 3: OFC: Targets and cultivation extents as at end February 2018 of Maha 2017/18 season

Crop	Maha 2017/18					Maha 2016/17		Production forecast of Maha 2017/2018 as a % of production in Maha 2016/17	Progressed extent of Maha 2017/18 as a % of cultivation extent in Maha 2016/17
	Target (ha)	Achievement (ha)	Crop affected area due to drought (ha)	Revised expected production (mt) (considering crop damages)	% Achievement in extent from the target	Extent (ha)	Production (mt)		
Maize	87,744	78,446	1,440	273,951	89	44,515	163,733	167	176
Potato	3,343	2,359	-	40,906	71	1,739	28,381	144	136
Red Onion	3,779	2,364	-	33,146	63	2,295	33,407	99	103
Green Chilli	11,803	7,846	-	41,848	66	6,636	30,690	136	118
Finger millet	4,374	3,246	5	4,071	74	3,440	4,468	91	94
Green Gram	11,450	6,957	464	8,573	61	4,061	4,896	175	171
Cow pea	10,280	6,663	20	10,359	65	4,001	4,937	210	167
Black gram	15,861	10,348	1,147	8,155	65	6,077	5,247	155	170
Ground nut	12,640	10,312	77	13,392	82	8,099	14,152	95	127
Gingelly	4,848	1,506	-	1,105	31	2,464	2,054	54	61
Soy bean	1,567	827	-	1,314	53	3,095	3,274	40	27
Big Onion	296	68	-	952	23	288	3,226	30	23
<b>Total</b>	<b>167,985</b>	<b>130,942</b>	<b>3,153</b>	<b>437,773</b>	<b>78</b>	<b>86,710</b>	<b>298,465</b>	<b>158</b>	<b>151</b>

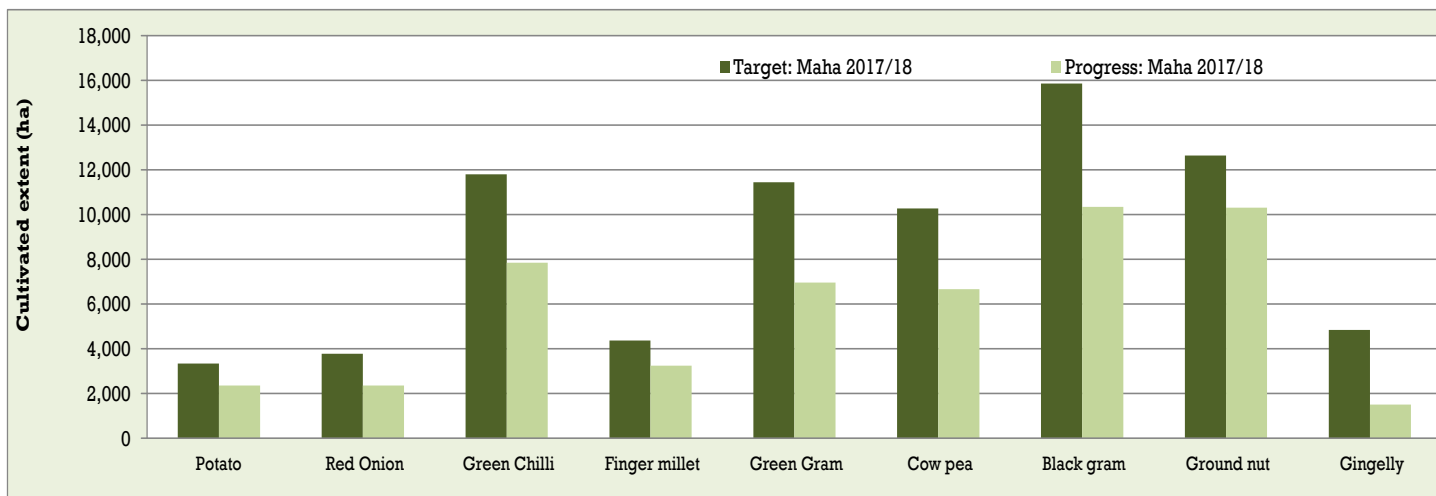


Figure 6: OFC: Targets and cultivation extents as at end February 2018 of Maha 2017/18 season



## Vegetables

- Cultivation target of all vegetables is 48,299 ha and the progress achieved up to end February 2018 is 39,843 ha; 82% of the target (Table 5).
- The reported cultivation progress of up country vegetables and low country vegetables are 80% and 84% from their targets respectively.
- When compared with the cultivation progress as at end February 2017 with the cultivation progress of end February 2018, both up country vegetables and low country vegetables shows lower cultivation progress.

Table 5: Vegetables targets and cultivation extents as at end February 2018 of Maha 2017/18 season

Crop	Target (ha)	Progress (ha)	% Progress from the target
<b>Up-Country Vegetables</b>			
Bean	4,906	4,021	82
Beet	1,367	931	68
Cabbage	2,493	2,119	85
Capsicum	2,385	1,790	75
Carrot	1,652	1,600	97
Knol-Khol	569	464	81
Leeks	1,056	872	83
Radish	1,866	1,201	64
<b>Total</b>	<b>16,294</b>	<b>12,999</b>	<b>80</b>
<b>Low-Country Vegetables</b>			
Red Pumpkin	3,496	4,094	117
Snake gourd	2,173	1,572	72
Tomato	3,073	2,863	93
Cucumber	1,644	1,267	77
Bitter gourd	2,589	2,052	79
Okra	4,216	3,253	77
Brinjal	5,186	4,518	87
Ash plantain	711	501	70
Luffa	2,183	1,519	70
Mae	5,349	4,021	75
Winged bean	739	698	95
Kakiri	323	280	87
Egg plant	289	193	67
<b>Total</b>	<b>32,004</b>	<b>26,844</b>	<b>84</b>
<b>Grand Total</b>	<b>48,299</b>	<b>39,843</b>	<b>82</b>

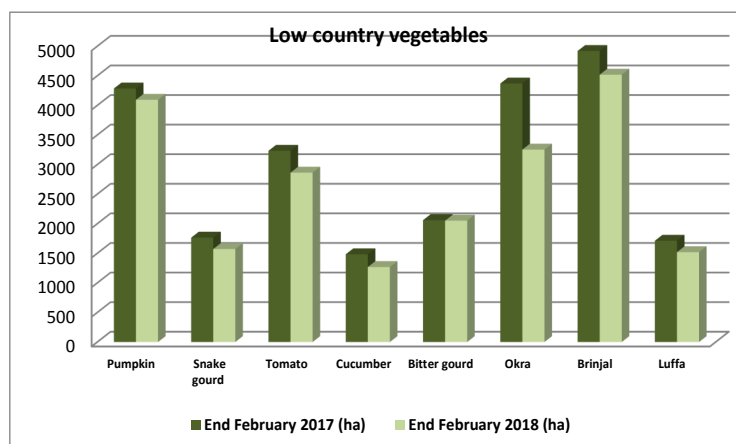
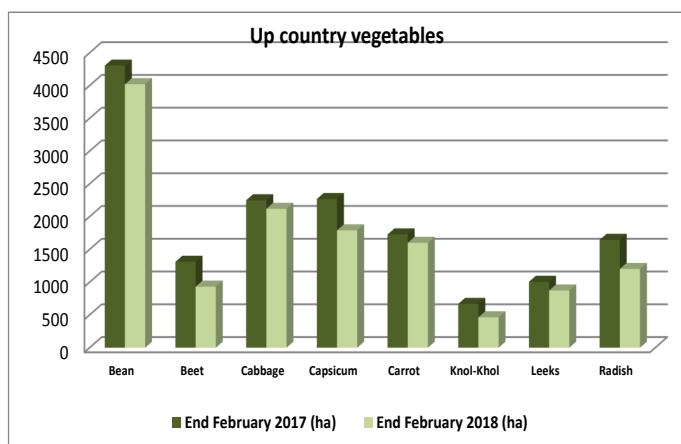


Figure 7: Vegetables : Cultivation extend as at end February 2017 and 2018



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### *Crop cultivation extents provided by;*

- Provincial Deputy Director of Agriculture Offices
- Inter Province Deputy Director of Agriculture Offices
- Mahaweli Authority

### *Production Forecasts are made by;*

Based on the moving averages of the average yields (source: Department of Census and Statistics) of past 3 years which are verified from Cost of Cultivation reports published by the Socio Economics and Planning Centre, Department of Agriculture and following the observations of field officers.

### *Preparation*

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## *Paddy Production Situation of Far East Asia*

### FAR EAST



The aggregate production of paddy rice, the major staple in the sub-region, is forecast at 678.9 million tonnes in 2017, close to the record level of 2016. Overall, the season's performance was mixed. Paddy production increased to record levels in **Cambodia, China (Mainland), Indonesia, Pakistan and the Philippines** supported by both larger plantings and higher yields. In **Thailand**, notwithstanding some flood damage, the 2017 paddy output is forecast to expand to 33.7 million tonnes. By contrast, the 2017 paddy production is expected to decrease compared to last year's level in several countries, with the largest absolute reductions concerning **Bangladesh**, following recurrent severe episodes of floods during 2017, and **Sri Lanka** due to drought. Similarly, the 2017 paddy output is estimated to have decreased in **the Democratic People's Republic of Korea**, as a result of prolonged dry conditions at the start of the cropping season, and in **India, Viet Nam and Nepal** mostly due to erratic rains and floods.