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Maha 2017/18 – Final
Volume 05



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Over view

Paddy

- Sown extent of Maha 2017/2018 season is 643,392 ha.
- 79% of the seasonal target (814,311 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 134,397 ha, 80% from the target.
- Maize, finger millet and ground nut progress is satisfactory.

Vegetables

- Up country vegetables cultivation progress 13,319 ha - 82%
- Low country vegetables cultivation progress 27,893 ha - 87%

Paddy

Cultivation Progress

- Maha 2017/2018 season was ended reporting paddy cultivation extend of 643,392 ha; 79% achievement from the target (814,311 ha).
- When compared with the average sown extend of last 3 Maha seasons, paddy sown extent of Maha 2017/2018 is 12% lower. (Figure 1)
- Crop damages re-

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

sidering the crop damages too. It is 14% drop when compared with production of last 3 Maha seasons. (Figure : 1).

- The expected production of paddy in Maha 2017/18 season would be sufficient for household rice consumption only for 7.5 months duration (Table : 1)

Paddy Production

- The expected Paddy production for Maha 2017/2018 season is 2.396 million mt con-

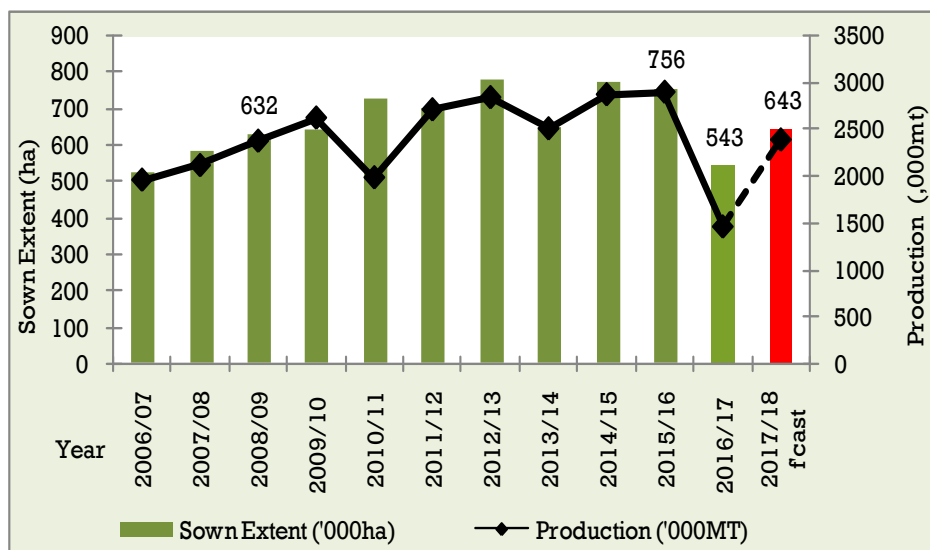


Figure 1: Paddy : Trend of paddy extent and production in Maha seasons

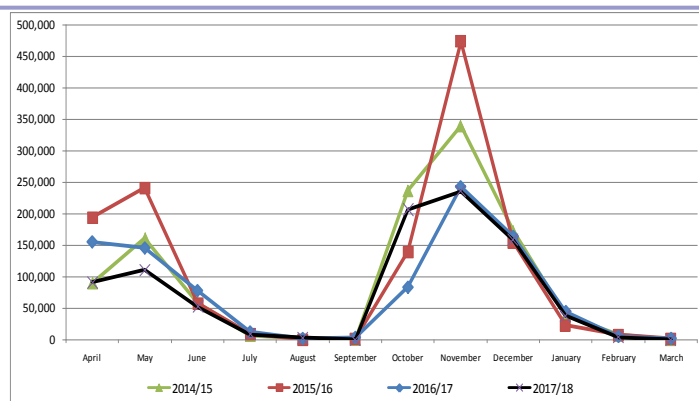


Figure 2: Paddy: Monthly cultivation extents 2014, 2015, 2016 and 2017

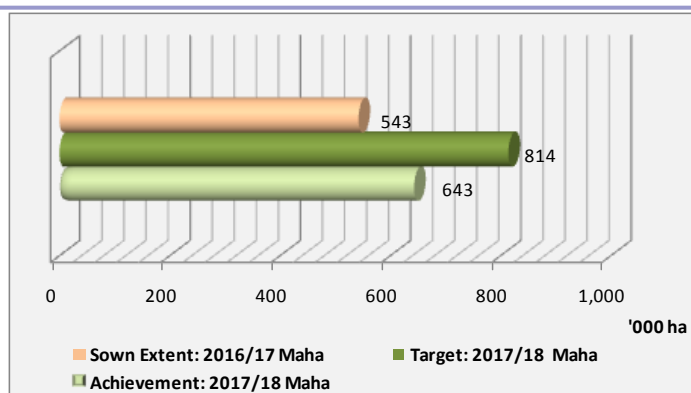


Figure 3: Paddy : Target and progress as at end March 2018 Maha 2017/18 and sown extent Maha 2016/17

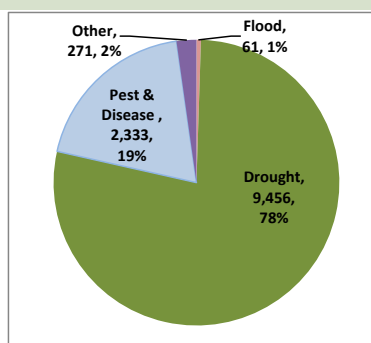


Figure 4: Paddy : Crop damages reported

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

Domestic rice production : 2017/18 Maha		
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
Rice consumption/ Requirement /Usage : 2018		
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
Months can be fed from Maha 2017/18 production		7.57

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 March 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 (Mt)	Damaged extent (ha) due to Drought, Pest and disease & Flood				Total affected extent (ha)	Expected production loss from affected area (mt)	Revised production forecast (Mt)
					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	16,033	67	65,293	-	-	248.0	-	248	505	64,788
Neliya	6,501	4,280	66	9,160	-	-	-	-	-	0	9,160
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	124,588	-	-	-	-	-	0	124,588
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
Sri Lanka	814,311	643,392	79	2,420,790	401	762	9,721	1,238	12,122	24,071	2,396,719

Note:

* **Badulla District progress only up to February End**

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

Sources : Provincial Deputy Director of Agriculture Office, Inter Provincial Deputy Director of Agriculture and Mahaweli Authority

Other Field Crops

- The cultivation progress of all Other Field Crops in Maha 2017/2018 season is 134,397 ha; 80% of the target and 155% from the cultivated extent of Maha 2016/17 season (Table 3).
- **Maize:** The cultivation progress is 78,606 ha; 90% of the target and it's 77% higher than the cultivated extent of last Maha season.
- **Potato:** Cultivated extent of Potato is 2,359 ha; 71% of the target. Expected production of potato is 40,906 mt.
- **Condiments:** Chilli cultivation progress is 70% from its target and Chilli expected production is 43,361 mt. It is 141% from the previous Maha season.
- Expected production of Red onion in Maha 2017/2018 season is 33,759 mt; 6% higher than the production of previous Maha season. Jaffna and Puttlum districts produces 48% & 41% of total national Red onion production respectively.
- Big onion production in Maha 2017/2018 is 1,115 mt, 35% compared with last Maha season.
- **Pulses:** Green gram, Black gram and Cowpea cultivation extend are 180%, 172% and 178% from the cultivation extent of Maha 2016/2017 respectively.
- **Oil Crops:** Expected production of Ground nut is 14,074 mt.
- **Millets:** Finger millet cultivation progress is 3,251 ha; 74% of the target.
- 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 March 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	78,606	1,440	274,399	90	44,515	163,733	168	177
Potato	3,343	2,359	-	40,906	71	1,739	28,381	144	136
Red Onion	3,779	2,421	-	33,759	64	2,295	33,407	101	106
Green Chilli	11,806	8,249	-	43,361	70	6,636	30,690	141	124
Finger millet	4,374	3,251	5	4,077	74	3,440	4,468	91	95
Green Gram	11,450	7,305	464	9,018	64	4,061	4,896	184	180
Cow pea	10,280	7,123	20	11,285	69	4,001	4,937	229	178
Black gram	15,861	10,471	1,147	8,253	66	6,077	5,247	157	172
Ground nut	12,640	10,965	77	14,074	87	8,099	14,152	100	135
Gingelly	4,848	2,744	-	1,934	57	2,464	2,054	94	111
Soy bean	1,567	827	-	1,314	53	3,095	3,274	40	27
Big Onion	296	76	-	1,115	26	288	3,226	35	26
Total	167,988	134,397	3,153	443,494	80	86,710	298,465	160	155

Vegetables

- The total cultivated extent of vegetables in Maha 2017/2018 season is 41,212 ha. (Table 5).
- Low country vegetables and up country vegetables reached 87% and 82% progress from their cultivation targets respectively.
- When compared with the total cultivation extent of Maha 2016/17 season, up country vegetables and low country vegetables cultivation progress up to end March reached 82% and 75% progress respectively.

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

Crop	Target (ha)	Progress (ha)	% Progress from the target	Cultivated extent Maha 2016/17	% Progress from the average
Up-Country Vegetables					
Bean	4,906	4,108	84	5,015	82
Beet	1,367	974	71	1,145	85
Cabbage	2,493	2,180	87	2,558	85
Capsicum	2,385	1,855	78	1,881	99
Carrot	1,652	1,631	99	2,279	72
Knol-Khol	569	471	83	572	82
Leeks	1,056	880	83	1,223	72
Radish	1,866	1,219	65	1,572	78
Total	16,294	13,319	82	16,245	82
Low-Country Vegetables					
Red Pumpkin	3,496	4,211	120	4,397	96
Snake gourd	2,173	1,629	75	1,420	115
Tomato	3,073	2,975	97	3,438	87
Cucumber	1,644	1,299	79	1,838	71
Bitter gourd	2,589	2,127	82	2,201	97
Okra	4,216	3,371	80	3,803	89
Brinjal	5,186	4,704	91	5,662	83
Ash plantain	711	501	70	4,124	12
Luffa	2,183	1,565	72	2,237	70
Mae	5,349	4,250	79	4,898	87
Winged bean	739	713	97	1,091	65
Kakiri	323	341	106	855	40
Egg plant	289	193	67	950	20
Total	32,004	27,893	87	37,961	73
Grand Total	48,299	41,212	85	54,206	76

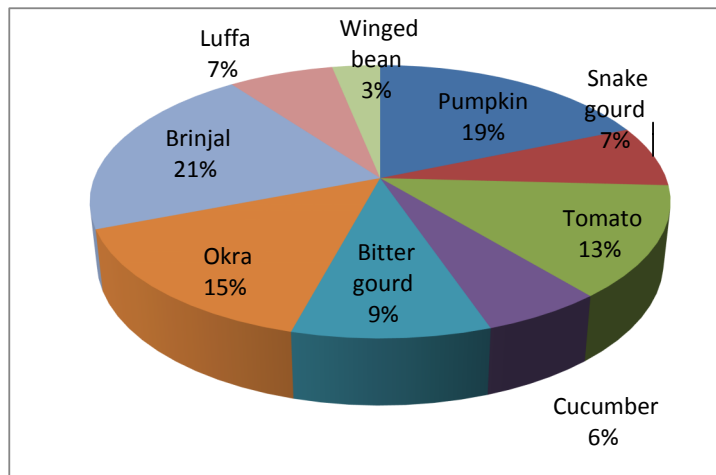
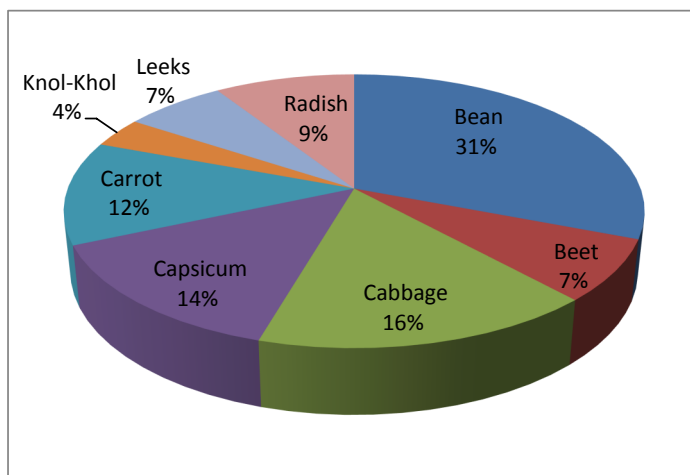


Figure 5: Vegetables : Cultivation share of vegetables

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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.

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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.