

Brief for the Review Committee Meeting scheduled for 16th May 2017 at 10.00 AM to finalise 2016-17 (Second Advance Estimates) of area and production figures of horticultural crops.

1. As per the calendar for release of data of All India Second Advance Estimates of area and production of horticulture crops for 2016-17, the estimates are to be released by **31st May 2017**.
2. All India Second Advance Estimates of the area and production of horticulture crops for 2016-17 have been prepared on the basis of data received from all Horticulture Departments of States/UTs except Gujarat. Crop wise summary of estimates are at **Annexure-I**. State wise details of these estimates are available at **Annexure-II**.
3. As per past practice and for consistency, data for Arecanut and Spices received from Directorate of Arecanut and Spices Development (DASD); and Cocoa and Cashew nut from Directorate of Cashewnut and Cocoa Development (DCCD) have been used for arriving at estimates of these crops. The estimates of area and production of horticulture crops are required by CSO for use in preparation of quarterly as well as annual GDP estimates.
4. Taking into account the latest information received from States/UTs, the following table summarises All India level 2nd Advance Estimates for 2016-17 vis-a-vis First Advance Estimates for 2016-17 and Final Estimates for 2015-16.

(Area in '000 Ha, Production in '000 MT)

Total Horticulture	2016-17 (Second Advance Estimate)	2016-17 (First Advance Estimate)	2015-16 (Final)	% change of 2016-17 (Second Adv. Est.) with respect to:	
				2016-17 (First Adv. Est.)	2015-16 (Final Est.)
Area	24944	24369	24472	2.4	1.9
Production	295351	287323	286188	2.8	3.2

5. It may be noted that the All India level Second Advance Estimates for 2016-17 of area & production of horticulture crops are higher by 2% and 3% respectively as compared to their final estimates for 2015-16.

6. A comparative position of the area and production for broad categories of horticulture crops is given in the following table:

Major category of Hort. Crops	Area in '000ha		Production in '000MT		% change of 2016-17 (Second Adv. Est.) with respect to:					
	2016-17 (Second Advance Estimates)		2016-17 (First Advance Estimates)		2015-16 (Final Estimates)		2016-17 (First Adv. Est.)		2015-16 (Final Est.)	
	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.
Fruits	6480	92846	6342	91728	6301	90186	2.2	1.2	2.8	2.9
Vegetables	10308	175194	9952	168593	10106	169064	3.6	3.9	2.0	3.6
Flowers	309	2246	282	2177	278	2184	9.6	3.2	11.4	2.9
Aromatic	634	1031	630	995	634	1022	0.6	3.6	0.0	0.8
Plantation Crops	3677	16867	3689	16753	3680	16658	-0.3	0.7	-0.1	1.3
Spices	3535	7077	3474	6988	3474	6988	1.8	1.3	1.8	1.3
Honey	88		88		88		1.0		1.0	
TOTAL	24944	295351	24369	287323	24472	286188	2.4	2.8	1.9	3.2

As per Second Advance Estimates for 2016-17, all India level production of fruits is higher by about 3% as compared to the estimates for 2015-16. Vegetables production is also higher by 4 % as compared to the Estimates for 2015-16.

As compared to the previous year the increase in production of Fruits at all India level has been mainly on account of increase in the States of Haryana (22%), Andhra Pradesh (20%), Assam (15%) and Sikkim (14%) and the higher production of Vegetables has been registered due to significant increase in the States of Sikkim (194%), Haryana (14%) and West Bengal (12%). However, production of fruits & vegetables as per Second Advance Estimates for 2016-17 have declined in certain States/ UTs. Major States reporting decline in production of Fruits are **Himanchal Pradesh(-31%), Telangana(-18%) and Tamil Nadu(-8%)**. Decline in production of vegetables has been reported by the States of **Tamil Nadu (-10%) and Kerala (-9%)**.

8. Potato, Tomato and Onion have significant contributions in vegetables and price fluctuations in these crops affect large population in the country. Accordingly, the prices of these crops are monitored regularly for important policy initiatives. The

production estimates of the above crops have been analysed in the following paragraphs.

Onion

- With an increase of 3%, the production of onion in the current year is estimated at 216 lakh tonnes as against 209 lakh tonnes in 2015-16.
- Similarly the area under onion crop in the current year is estimated at 12.7 lakh hectares as against 13.2 lakh hectares in 2015-16 i.e. a decline of about 4% over the previous year.

Potato

- With an increase of 7%, the production of potato in the current year is estimated at 466 lakh tonnes as against 434 lakh tonnes in 2015-16.
- Similarly the area under potato crop in the current year is estimated at 21.7 lakh hectares as against 21.2 lakh hectares in 2015-16 i.e. a decline of about 3% over the previous year.

Tomato

- With an increase of 5%, the production of tomato in the current year is estimated at 197 lakh tonnes as against 187 lakh tonnes in 2015-16.
- Similarly the area under potato crop in the current year is estimated at 8.1 lakh hectare as against 7.7 lakh hectare i.e. a decline of about 5% over the previous year.

Area and Production of Horticulture Crops - All India

ANNEXURE-I

Area in '000 Ha
Production in '000 MT
Productivity in MT/Ha

Crops	Production			Area			Productivity	
	2016-17 (2nd Estimate)	2015-16 (Final Est.)	% Difference	2016-17 (2nd Estimate)	2015-16 (Final Est.)	% Difference	2016-17 (2nd Estimate)	2015-16 (Final Est.)
Fruits								
Almond	8	8	-1	12	12	0	1	1
Aonla/Gooseberry	989	972	2	91	88	3	11	11
Apple	2242	2521	-11	277	277	0	8	9
Banana	29163	29135	0	858	841	2	34	35
Ber	481	425	13	49	44	12	10	10
Citrus								
(i) Lime/Lemon	2789	2438	14	259	245	6	11	10
(ii) Mandarin	4754	4113	16	429	397	8	11	10
(iii) Sweet Orange(Mosambi)	3497	3468	1	209	244	-14	17	14
(iv) Others	1706	1562	9	157	138	14	11	11
Citrus Total (i to iv)	12746	11581	10	1055	1024	3	12	11
Custardapple	367	298	23	44	37	20	8	8
Grapes	2683	2590	4	136	122	12	20	21
Guava	3648	4048	-10	262	255	3	14	16
Jackfruit	1826	1732	5	156	151	3	12	11
Kiwi	11	11	3	4	4	1	3	3
Litchi	583	559	4	92	90	2	6	6
Mango	19687	18643	6	2263	2209	2	9	8
Muskmelon	962	935	3	47	45	3	21	21
Papaya	6108	5667	8	136	132	3	45	43
Passion Fruit	79	78	1	14	13	3	6	6
Peach	107	107	0	18	18	1	6	6
Pear	312	323	-3	40	40	1	8	8
Picanut	1	1	-6	1	1	0	0	0
Pineapple	2038	1924	6	121	110	10	17	18
Plum	76	82	-8	22	22	0	3	4
Pomegranate	2442	2306	6	209	197	6	12	12
Sapota	1285	1294	-1	107	107	0	12	12
Strawberry	5	5	6	1	1	11	7	7
Walnut	228	229	0	92	92	0	2	2
Watermelon	2480	2325	7	101	95	7	25	25
Others	2289	2386	-4	272	275	-1	8	9
Total Fruits	92846	90183	3	6480	6301	3	14	14
Vegetables								
Beans	2313	2334	-1	231	232	-1	10	10
Bittergourd	1085	1046	4	96	93	3	11	11
Bottlegourd	2575	2458	5	157	149	6	16	16
Brinjal	12401	12515	-1	669	663	1	19	19
Cabbage	8971	8806	2	407	394	3	22	22
Capsicum	327	288	13	46	46	0	7	6
Carrot	1381	1338	3	87	82	5	16	16
Cauliflower	8509	8090	5	452	426	6	19	19
Cucumber	1142	1202	-5	78	71	10	15	17
Chillies (Green)	3407	2955	15	287	292	-2	12	10
Elephant Foot Yam	659	733	-10	26	28	-5	25	26
Mushroom	459	436	5	183	170	8	3	3
Okra/Ladyfinger	6151	5849	5	529	511	4	12	11
Onion	21565	20931	3	1271	1320	-4	17	16
Parwal/Pointed gourd	252	264	-4	18	18	-3	14	14
Peas	5459	4811	13	548	498	10	10	10
Potato	46614	43417	7	2173	2117	3	21	21
Radish	2968	2844	4	208	199	4	14	14
Pumpkin/Sitaphal/Kaddu	1582	1509	5	72	68	6	22	22
Sweet Potato	1639	1454	13	135	126	7	12	12
Tapioca	4096	4344	-6	196	204	-4	21	21
Tomato	19700	18732	5	809	774	5	24	24
Others	21939	22707	-3	1630	1625	0	13	14
Total Vegetables	175194	169064	4	10308	10106	2	17	17

Area and Production of Horticulture Crops - All India

Area in '000 Ha
Production in '000 MT
Productivity in MT/Ha

Crops	Production			Area			Productivity	
	2016-17 (2nd Estimate)	2015-16 (Final Est.)	% Difference	2016-17 (2nd Estimate)	2015-16 (Final Est.)	% Difference	2016-17 (2nd Estimate)	2015-16 (Final Est.)
Aromatic	1031	1022	1	634	634	0	2	2
Flowers Cut	593	528	12					
Flowers Loose	1653	1656	0	309	278	11	5	6
Total Flowers	2246	2184	3	309	278	11	7	8
Honey	88	88	1					
Plantation Crops								
Arecanut	730	714	2	466	474	-2	2	2
Cashewnut	779	671	16	1035	1036	0	1	1
Cocoa	19	17	10	83	81	2	0	0
Coconut	15339	15256	1	2092	2088	0	7	7
Total Plantation	16867	16658	1	3677	3680	0	5	5
Spices								
Ajwan	14	16	-14	24	24	2	1	1
Cardamom	27	24	13	84	86	-2	0	0
Chillies (Dried)	1872	1520	23	831	811	2	2	2
Cinnamon/Tejpata	5	5	-1	3	3	-2	2	2
Celery, Dill & Poppy	35	23	50	36	26	39	1	1
Clove	1	1	7	2	2	4	1	1
Coriander	609	585	4	663	582	14	1	1
Cumin	486	503	-4	760	808	-6	1	1
Fenugreek	220	247	-11	218	219	0	1	1
Fennel	125	129	-4	75	76	-2	2	2
Garlic	1271	1617	-21	274	281	-2	5	6
Ginger	1081	1109	-3	165	164	1	7	7
Nutmeg	16	14	7	23	21	9	1	1
Pepper	72	55	32	131	129	2	1	0
Vanilla	0	0	-31	5	4	2	0	0
Tamarind	191	194	-2	49	53	-7	4	4
Turmeric	1052	943	12	193	186	4	5	5
Total Spices	7077	6988	1	3535	3474	2	2	2
Total	295351	286188	3	24943	24472	2	12	12

HORTICULTURE CROPS CATEGORY WISE 2016-17 (2nd Adv.Est.)

ANNEXURE-II

Sl. No.	STATES/UTs	FRUITS		VEGETABLES		PLANTATION		AROMATICS & MEDICINAL		FLOWERS			SPICES		HONEY		TOTAL	
		A	P	A	P	A	P	A	P	A	LOOSE	P	A	P	A	P	A	P
												CUT						
1	ANDHRA PRADESH	604.76	12098.60	223.73	5355.64	313.78	1188.51	1.26	47.65	16.59	140.34	0.00	267.50	1050.30	1.67		1427.61	19882.70
2	ARUNACHAL PRADESH	67.31	311.53	4.04	33.34	1.09	8.33	0.46	0.99	0.02	0.01	0.07	11.50	68.70	0.00		84.42	422.98
3	ASSAM	163.29	2391.19	312.01	3874.50	102.61	193.38	4.49	0.17	5.15	34.35	57.12	120.00	291.30	0.86		707.55	6842.87
4	BIHAR	309.24	4272.94	844.04	14225.04	15.05	98.27	4.44	0.61	0.66	7.96	0.00	8.90	10.60	8.89		1182.34	18624.31
5	CHHATTISGARH	216.99	2393.51	491.31	6700.96	15.57	30.56	8.56	60.40	11.31	42.76	62.35	12.10	12.30	0.61		755.84	9303.45
6	GUJARAT	392.95	8482.80	695.84	13401.39	30.26	223.85	0.00	0.00	19.69	186.00	0.00	502.30	868.10	0.30		1641.05	23162.44
7	HARYANA	64.00	900.00	435.00	6960.00	0.00	0.00	0.35	1.29	6.20	64.48	7.92	17.00	77.80	4.55		522.55	8016.03
8	HIMACHAL PRADESH	226.56	639.01	85.76	1743.31	0.00	0.00	1.12	0.91	0.71	23.17	10.34	8.10	25.50	5.20		322.25	2447.43
9	JAMMU & KASHMIR	286.38	2116.06	62.63	1386.37	0.00	0.00	3.83	0.01	51.77	29.47	0.50	4.90	1.00	1.21		409.50	3534.62
10	JHARKHAND	98.01	1026.31	286.40	3714.25	14.83	5.83	0.00	0.00	0.32	1.54	15.03	0.00	0.00	1.21		399.56	4764.16
11	KARNATAKA	439.01	7425.11	486.12	8207.18	907.53	4142.32	2.20	16.19	32.92	221.56	59.36	225.50	399.50	2.02		2093.29	20473.25
12	KERALA	244.72	2467.92	137.68	1907.72	976.06	5347.87	0.01	0.00	26.56	0.03	0.67	166.70	140.70	2.53		1551.74	9867.42
13	MADHYA PRADESH	330.62	5937.04	884.05	16664.66	0.00	0.00	72.90	502.07	18.42	216.00	0.00	435.80	690.80	1.87		1741.79	24012.44
14	MAHARASHTRA	763.51	10378.43	693.15	10360.76	216.31	450.86	0.02	0.03	12.23	71.61	35.15	41.70	371.80	0.02		1726.92	21668.66
15	MANIPUR	49.32	454.08	44.34	331.97	0.90	0.32	0.00	0.00	0.12	0.05	0.20	10.50	24.10	0.00		105.18	810.72
16	MEGHALAYA	37.97	447.27	49.92	541.89	25.50	32.93	0.00	0.00	0.06	0.00	2.64	18.50	92.20	0.20		131.96	1117.14
17	MIZORAM	62.32	339.05	35.09	168.18	10.74	7.45	0.93	0.90	0.20	0.48	0.00	24.80	97.10	0.15		134.08	613.31
18	NAGALAND	38.75	393.53	46.33	534.24	1.33	6.01	0.11	0.47	0.07	0.89	0.59	15.00	109.30	0.43		101.60	1045.47
19	ODISHA	340.86	2430.10	639.34	8760.09	233.81	319.39	1.92	0.61	6.57	24.81	48.07	112.90	181.00	1.01		1335.40	11765.08
20	PUNJAB	88.56	1856.92	230.26	4640.52	0.00	0.00	12.52	2.43	2.05	12.82	0.00	31.40	98.90	15.05		364.80	6626.64
21	RAJASTHAN	48.24	718.48	197.90	1928.60	0.00	0.00	370.00	190.00	3.35	5.90	0.00	970.60	937.60	4.65		1590.09	3785.23
22	SIKKIM	18.21	26.86	42.35	314.86	0.00	0.00	0.00	0.00	0.24	16.50	0.09	32.30	66.60	0.32		93.11	425.23
23	TAMIL NADU	311.25	6079.95	256.78	6304.84	620.76	4176.33	13.83	192.54	32.29	409.03	7.60	107.60	192.50	1.52		1342.50	17364.30
24	TELANGANA	284.87	3536.74	162.10	2992.40	0.50	1.45	0.01	0.04	6.02	22.96	0.01	177.40	623.90	0.00		630.90	7177.49
25	TRIPURA	74.99	845.51	46.02	785.31	16.08	33.46	0.00	0.00	0.00	0.00	0.00	5.70	18.10	0.00		142.78	1682.37
26	UTTAR PRADESH	470.91	10353.49	1400.13	26407.34	0.00	0.00	135.04	13.53	21.59	46.54	71.75	60.60	227.50	15.15		2088.26	37135.31
27	UTTARAKHAND	175.49	664.92	90.00	945.60	0.00	0.00	0.00	0.00	1.34	1.75	11.44	14.60	36.80	2.12		281.43	1662.62
28	WEST BENGAL	252.66	3708.45	1387.49	25500.61	52.49	293.48	0.00	0.00	26.04	71.19	201.57	128.10	356.60	15.76		1846.77	30147.66
29	Others	18.37	150.21	38.06	502.83	121.56	306.72	0.01	0.01	6.77	0.78	0.95	3.40	6.70	1.2		188.17	969.42
	All India Total	6480.11	92845.98	10307.89	175194.41	3676.77	16867.32	634.00	1030.85	309.26	1652.99	593.41	3535.40	7077.30	88.49		24943.428	295350.745