

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 5496
TO BE ANSWERED ON 5TH APRIL, 2022

CROP YIELDS

5496. DR. ARVIND KUMAR SHARMA

Will the Minister of Agriculture and Farmers Welfare कृषि एवं किसान कल्याण मंत्री be pleased to state;

- (a) whether it is true that yield, across many crops, in East Asian countries, especially of China, is far higher than that of India despite the fact that their average land holdings are lower than that of our country;
- (b) the steps taken by the Government to increase the yield of crops; and
- (c) whether any efforts have been made in this regard and if so, the details of the outcome achieved during the last five years?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a): The yield of a crop depends on various factors such as weather extremities, rainfall, soil type, agro-climatic condition, irrigation facilities, types of crops cultivated, use of fertilizers and pesticides, length of growing seasons, technology used etc. The yield level of China and some other East Asian countries in certain crop categories are higher than that in India, while in some other crop categories, the yield level of India is higher than China and some other East Asian Countries. In India multiple crops are grown by farmers in a year.

(b) & (c): National Food Security Mission (NFSM), a centrally sponsored scheme, launched in 2007-08, is being implemented with the objective of increasing foodgrains production through area expansion and productivity enhancement in the identified districts of the country. Under NFSM, assistance is given through state governments to farmers for interventions like cluster demonstrations on improved package of practices, demonstrations on cropping system, distribution of seeds of High Yielding Varieties

(HYVs)/hybrids, improved farm machineries/resource conservation machineries/tools, efficient water application tools, plant protection measures, nutrient management/soil ameliorants, processing & post-harvest equipments, cropping system based trainings etc. The mission also provides support to Indian Council of Agricultural Research (ICAR) & State Agricultural Universities (SAUs)/KrishiVigyanKendras (KVKs) for technology back stopping and transfer of technology to the farmers under supervision of subject matter specialists/scientists. State-wise details of funds allocated, released and expenditure under NFSM during 2017-18 to 2021-22 is given at **Annexure**. Further, ICAR is continuously working on development/adoption of new technologies, upgradation of existing technologies and provide quality seeds of newly developed varieties of crops to farmers. During 2017 to 2021, a total of 1521 high yielding field crop varieties/hybrids have been released for various agro-climatic region of the country comprising of 691 of Cereals; 222 of Oilseeds; 247 of Pulses; 91 of Forage crops; 202 of Fiber crops; 52 of Sugar crops and 16 of other crops. Resultantly, the yield of foodgrains in the country has increased from 2042 kg./hectare during 2015-16 to 2394 kg./hectare in 2020-21.

Annexure referred to in reply to Part (b) & (c) of Lok Sabha Unstarred Question No. 5496 due for reply on 05.04.2022

State-wise funds allocated, released and expenditure under NFSM during 2017-18 to 2021-22
(As on 28.02.2022)

(Rs. In Crore)

Sl. No.	Name of the State	YEAR 2017-18			YEAR 2018-19			YEAR 2019-20			YEAR 2020-21			YEAR 2021-22		
		Allocation	Released	Expenditure	Allocation	Released	Expenditure	Allocation	Released	Expenditure	Allocation	Released	Expenditure	Allocation	Released	Expenditure
1	Andhra Pradesh	119.50	101.54	100.74	74.06	62.54	62.49	55.68	44.12	46.20	47.940	38.7500	46.43	40.33	10.08	10.69
2	Arunachal Pradesh	13.12	6.56	6.56	9.60	7.20	0.00	17.35	5.81	13.01	8.550	8.5550	4.28	6.929	1.73	4.28
3	Assam	152.79	130.06	96.18	162.21	105.58	99.35	227.64	115.005	169.57	164.480	156.1400	65.61	102.285	0	62.71
4	Bihar	101.67	28.69	42.61	83.63	46.63	38.38	86.49	42.61	38.33	54.920	14.0600	30.65	45.38	0	16.87
5	Chhattisgarh	93.26	69.86	58.26	111.82	78.58	71.19	131.99	85.32	64.09	111.830	53.4000	68.31	85.38	0	15.05
6	Goa	0.58	0.00	0.01	0.13	0.00	0.02	0.13	0.00	0.00	0.130	0.0000	0.00	0.105	0	0.00
7	Gujarat	37.91	5.00	18.63	26.86	17.21	15.91	33.53	16.08	20.59	22.980	16.9600	17.14	18.99	4.74	9.07
8	Haryana	15.68	7.96	6.47	20.47	11.42	6.10	23.72	3.55	6.57	19.980	3.4000	5.32	19.08	3.37	0.00
9	Himachal Pradesh	13.21	12.23	13.21	12.92	12.11	11.57	12.17	11.44	11.94	11.230	11.2000	11.23	8.14	3.86	2.45
10	UT Jammu & Kashmir	20.74	9.05	8.31	12.76	6.21	5.66	13.44	7.07	6.81	10.820	3.7800	5.03	7.61	1.9	0.00
11	Jharkhand	59.64	25.71	21.03	58.70	44.90	20.10	63.41	22.15	39.48	34.290	12.6400	18.40	29.09	3.13	5.16
12	Karnataka	146.07	96.55	112.91	138.94	131.914	98.70	160.64	120.89	113.86	138.760	93.1200	124.75	121.74	55.145	39.45
13	Kerala	1.22	0.13	0.47	1.08	0.00	0.00	1.04	0.63	0.00	0.880	0.0000	0.57	0.64	0	0.00
14	UT of Ladakh										0.390	0.1960	0.00	0	0	0.00
15	Madhya Pradesh	377.28	103.80	105.66	309.03	104.40	166.17	403.49	187.98	130.21	309.590	14.1400	158.68	282.67	119.313	67.73
16	Maharashtra	161.28	152.10	133.77	155.90	112.56	101.73	142.04	107.94	120.49	153.363	128.5590	74.92	139.33	34.83	65.03
17	Manipur	15.04	4.68	4.68	13.71	7.44	7.44	14.60	11.76	10.71	13.090	6.5400	6.54	8.769	2.19	0.00
18	Meghalaya	8.38	5.23	4.36	5.95	4.94	3.92	6.11	2.82	2.30	6.340	4.7400	3.25	4.715	0.09	0.00
19	Mizoram	2.31	2.30	2.37	3.04	2.28	2.29	3.19	2.39	2.40	2.890	1.4370	1.44	2.419	0.61	0.00
20	Nagaland	20.29	17.75	17.75	18.87	18.73	18.73	21.58	16.81	16.81	17.030	17.0000	8.52	13.564	0	0.00
21	Odisha	79.88	54.90	55.00	84.98	84.91	84.78	88.12	75.51	75.60	72.854	72.8390	72.84	62.15	23.86	7.28
22	Punjab	14.88	5.43	7.19	16.30	0.15	0.00	16.34	0.06	0.00	3.020	0.2800	0.00	2.59	0	0.00
23	Rajasthan	190.76	85.30	156.94	188.82	116.27	95.39	245.57	138.99	103.62	230.960	140.2500	121.85	199.6	89.49	85.73
24	Sikkim	5.95	0.00	4.46	11.29	9.39	9.40	8.07	5.96	5.96	5.800	5.7100	1.50	4.948	1.24	0.74
25	Tamil Nadu	51.28	37.02	40.96	58.16	55.20	52.10	56.29	48.11	53.08	38.170	34.1030	35.71	38.75	17.269	8.74
26	Telangana	51.11	19.34	21.82	34.27	9.61	16.78	32.65	15.05	10.91	28.040	7.1000	9.93	21.938	0	0.00
27	Tripura	19.03	17.15	15.02	22.46	17.84	18.00	14.90	4.25	4.57	10.430	6.0160	9.74	7.19	1.47	1.47
28	Uttar Pradesh	173.99	83.10	77.83	192.37	131.24	101.28	161.07	79.46	93.97	141.400	100.1280	91.53	119.85	52.728	40.38
29	Uttarakhand	17.70	3.83	8.57	20.49	17.83	12.10	18.38	7.82	9.95	15.470	10.3550	13.64	12.774	4.065	2.04
30	West Bengal	116.43	107.86	97.90	109.22	92.51	94.59	113.22	89.93	109.54	70.140	63.8700	68.49	64.38	29.98	13.76
Total		2080.98	1193.13	1239.67	1958.03	1309.59	1214.17	2172.828	1269.49	1280.57	1745.77	1025.268	1076.302	1471.336	461.090	458.63
