

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION

LOK SABHA
UNSTARRED QUESTION NO. 3866
TO BE ANSWERED ON 22/12/2015

FLOOD/DROUGHT RESISTANT SEEDS

3866. SHRI P. DHRUVA NARAYANA:
SHRIMATI RITI PATHAK:
SHRI DALPAT SINGH PARASTE:

Will the Minister of AGRICULTURE AND FARMERS WELFARE
कृषि और कृषक कल्याण मंत्री be pleased to state:

- (a) whether the Government is developing climate/environment friendly flood/drought resistant seeds for protecting the crops in flood/drought prone areas of the country;
- (b) if so, the details thereof;
- (c) whether the Government has conducted any research regarding developing the varieties of flood/drought resistant seeds of various crops for various States including Chhattisgarh and Uttar Pradesh;
- (d) if so, the details of such varieties of flood/drought resistant seeds developed through new method of research;
- (e) the number of farmers who received flood-resistant and drought-proof seeds across the country during the last three years, State-wise;
- (f) whether these seeds are free of cost or subsidised, if so, the details thereof; and
- (g) whether the distribution of these seeds has led to a significant fall in the economic cost of floods and droughts to the farmers, if so, the details thereof?

A N S W E R

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE
कृषि और कृषक कल्याण मंत्रालय में राज्य मंत्री
(DR. SANJEEV KUMAR BALYAN)

(a) to (d): Yes, Madam. The National Agricultural Research System (NARS) comprising Indian Council of Agricultural Research (ICAR) and State Agricultural Universities (SAUs) has developed a large number of climate /environment friendly, flood /drought, high moisture/water logging stresses resistant varieties viz. 70 of cereals, 06 of pulses, 08 of oilseeds, 16 of fibres and 09 of sugarcane, for different agro-climatic regions of the country. NARS is conducting research for development of flood /drought resilient varieties for various states including Chhattisgarh and Uttar Pradesh.

(e) & (f): The quality seed of different improved varieties including drought/flood tolerant varieties are being supplied by different states to farmers (**Annexure-I**). However, the exact number of farmers received flood-resistant and drought-proof seeds, information is not maintained.

Financial assistance for purchasing certified seeds is also being provided to farmers under different central crop development schemes viz. National Food Security Mission (NFSM), Bringing Green Revolution in Eastern India (BGREI), National Mission on Oil Seeds and Oil Palm (NMOOP) and Rashtriya Krishi Vikas Yojana (RKVY) for newly released varieties.

(g) Drought and flood tolerant seeds are mainly produced by public sectors and distributed with reasonable prices.

**The state-wise details of short and medium durations including drought/flood tolerant varieties’
quality seeds produced and made available during last three years**

(Qtls.)

State	2013-14		2014-15		2015-16	
	Medium	Short	Medium	Short	Medium	Short
Andhra Pradesh	2749019	2007457	2250191	805688	1069981	758567
Assam	583644	44477	634710	107966	169500	39500
Bihar	594366	1104924	194914	467240	48368	697345
Chhattisgarh	569027	69182	520291	177024	543835	158997
Goa	4622	1120	4622	746	3497	1810
Gujarat	501560	206390	392940	677090	505959	618401
Haryana	199415	1386209	224337	1601144	24543	1617590
Himachal Pradesh	96427	56100	40700	94975	45010	85828
J&K	57649	95000	63913	117119	38275	237346
Jharkhand	136828	119274	110876	36037	191057	173820
Karnataka	926964	501129	974066	499445	1144905	594602
Kerala	39995	56000	39660	57420	60970	10060
Madhya Pradesh	1951462	1447039	1327614	1740821	1061064	1665330
Maharashtra	2013608	1603634	1802445	769615	1723985	1868832
Minipur	6130	14930	7930	15400	8815	14730
Meghalaya	22855	7500	24120	8010	9900	6770
Mizoram	13318	925	1195	597	5388	
Odisha	401200	160258	285681	144102	427915	217820
Pudducherry	1253	1871	983	1790	1055	3991
Punjab	154862	1523950	222575	1523550	187672	1243082
Rajasthan	828270	1425857	750675	1507895	773500	1557308
Tamilnadu	361012	737731	407837	630578	380378	638732
Tripura	17585	5342	18562	9578	14240	12430
Uttar Pradesh	502075	1611470	575748	3913440	988688	4485218
Uttarakhand	54436	69166	31943	71972	62210	201105
West Bengal	531198	2682468	536607	3253160	428340	3350744
Nagaland			17948		45890	
Telengana				699902	656660	743924
Grand total	13318780	16939403	11463083	18932304	10621600	21003882
