

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE & FARMERS' WELFARE
DEPARTMENT OF AGRICULTURE & FARMERS' WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 1526
TO BE ANSWERED ON THE 7th December, 2021

DRYLAND DEVELOPMENT MISSION

1526. SHRIMATI VANGA GEETHA VISWANATH:
SHRI KOTHA PRABHAKAR REDDY:

Will the Minister of AGRICULTURE AND FARMERS' WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

(a) whether the Government is implementing the Dryland Development Missions and lakhs of rainfed farmers will benefit from such projects funded by Union and State Governments including Andhra Pradesh and Telangana;

(b) whether the use of new drought resistant varieties and rainwater harvesting techniques will create a secure environment for rainfed cultivation, as many small and marginal farmers in all States are engaged in dry farming in lakhs of hectares on cluster basis;

(c) whether rainwater harvesting systems such as farm ponds and contour funding will be created, agricultural inputs like bio-fertilizers, quality seeds of nutri-cereals, oilseeds and pulses, farm machinery will be distributed at subsidized rates and financial assistance for planting high value tree saplings will be given to villages which come forward under these schemes; and

(d) if so, the details and present status thereof?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE
कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a): Department of Agriculture and Farmers' Welfare (DA&FW) is implementing Rainfed Area Development Programme under National Mission for Sustainable Agriculture which focuses on Integrated Farming System to benefit farmers of rainfed areas across the Country including Andhra Pradesh and Telangana.

(b): The new drought resistant varieties and rainwater harvesting techniques helps in coping with drought. Rainwater harvesting and recycling at critical stages minimise the yield losses, to the farmers including small and marginal farmers, significantly in rainfed crops. The drought/moisture stress tolerant/water stress/water limited/low rainfall varieties developed by Indian Council of Agricultural Research (ICAR) are given at **Annexure-I**.

(c) & (d): Department of Land Resources, Ministry of Rural Development is implementing Watershed Development Component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY) for development of rainfed/ degraded lands, under which ridge area treatment, drainage line treatment, soil and moisture conservation, rainwater harvesting , farm ponds etc. are undertaken across the country. So far, about 6.50 lakh water harvesting structures were created/ rejuvenated under Watershed Development Component of Pradhan Mantri Krishi Sinchayee Yojana (PMKSY). In addition, water harvesting structures are constructed under Other Intervention Programme of Per Drop More Crop of PMKSY and Mahatma Gandhi National Rural Employment Guarantee Scheme.

Department of Agriculture and Farmers Welfare provide various agricultural inputs to the farmers in their schemes/programmes across the country through State Governments. The details of schemes/ programmes providing inputs like bio fertilizers, quality seeds, farm machinery and tree saplings etc. are as under:

(i) Bio-fertilizer is being provided under Paramparagat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development of North Eastern Region (MOVCDNER);

(ii) Quality Seeds of Nutricereals, Oilseeds and Pulses are provided under different schemes of Department of Agriculture and Farmers Welfare such as National Food Security Mission (NFSM), Crop Diversification Programme (CDP), Bringing Green Revolution in Eastern India (BGREI), Seed Village Programme of Sub Mission on Seeds and Planting Materials (SMSP);

(iii) Various Farm Machineries is being provided under Sub Mission on Agricultural Mechanisation (SMAM) through promotion of Custom Hiring Centres and creating hubs for high tech and high value farm equipments, besides, distribution of various agricultural equipments to the farmers and creating awareness among Stakeholders through demonstrations and capacity building.

(iv) Planting Materials and Tree Saplings are being provided under Sub Mission on Agro Forestry (SMAF) and Mission on Integrated Development of Horticulture (MIDH).

Apart from the above, this Department is implementing an umbrella scheme of Rashtriya Krishi Vikas Yojana (RKVY) in which States are empowered to undertake various programmes/activities including providing above inputs for crop cultivation in the country including dryland areas.

Drought/moisture stress tolerant/water stress/water limited/low rainfall resistant field crop varieties (May 2014 to March 2021)

Total Crop Varieties - 158	Drought/moisture stress tolerant/water stress/water limited/low rainfall
CEREALS (85)	
Rice (37)	IR-64 Drt I (IET 22836) Birsa Vikas Dhan 111 Birsa Vikas Dhan 203 Sabour Shree (RAU 724-48-33) Kalachampa DRR Dhan 44 (IET 22081) DRR Dhan 43 (IET 22080) ADV 8301 (IET22410) Hybrid CR Dhan 101 (Ankit) (CR 2702) (IET 21627) DRR Dhan 46 JRH 19 Hybrid PAC 129 (Arize 6129) Hybrid BS 129G (Arize 6129 Gold) Hybrid NandyalaSona (NDLR 7) (IET 23715) Daksha (KMP-175) DRR Dhan 50 (IET 25671) DRR Dhan 47 CAU-RI (IET 23544) Him Palam Lal Dhan-1 (HPR 2795) Tripura Hakuchuk – 2 Tripura Khara -2 Tripura Khara -1 Tripura Hakuchuk – 1 Tripura Aush -1 ADT 51 (AD 09367) (IET 23617) CR Dhan 801 (IET 25667) (IR 96322-34-223-B-1-1-1-CR3955-2) DRR Dhan 52 (IET 23354) (RP5125-12-5-3-B-IR84898-B Ratnagiri-8 (RTN 28-1-5-3-2) (IET 25493) CR Dhan 802 (SUBHAS) (IET 25673) (CR3925-22-7) VNR-2111 PLUS (IET 24075) (VNR 212) Uttar Sona UBKVR-1 (IET 24171) MP 3030 (IET 25764) CR Dhan 102 (IET 25121) CO 53 (CB 06803 (IET 24057) PNPB 24 DRR Dhan 54 (IET25653) (RP 5943-421-16-1-1-B) Sabour Sampanna Dhan (IET 25960)

Wheat (19)	WH 1124 DBW 107 WH 1142 UAS 347 Chhattisgarh Genhu 4 (CG 1015) SabourNirjal (BRW 3723) DBW 173 Pusa Wheat 1612 (HI 1612) Pusa Wheat 8777 (HI 8777) HUW 669 (Malviya 669) AAI-W9 (SHIATS-W9) AAI-W10 (SHIATS-W10) Karan Shriya (DBW 252) Pusa Wheat 1621 (HI 1621) DDW 47 Gujarat Wheat 1346 (GW 1346) Pusa Wheat 8802 (HI 8802) Pusa Wheat 8805 (HI 8805) UAS-466
Maize (10)	KMH-7148 Hybrid Candy (KSCH-333) Hybrid D2244 (DAS-Maharashtra-501) Hybrid PMH 7 (JH 3956) Hybrid GK 3150 Hybrid DRONA (Kmaharashtra-2589) Hybrid MAH-14-5 Pusa Jawahar Hybrid Maize-1 RCRMH – 2 PAC 745 Gold
Sorghum (6)	CSV 32F (SPV 2128) Phule Rohini (RPASV3) Phule Madhur (RSSGV 46) RVICSH 28 (Hybrid) CSV 42(SPV 2423) PalemPacha Jonna 1 (PYPS-2)
Pearl Millet (8)	NBH 5061 (MH 1812) Hybrid NBH 5767 (MH 1785) Hybrid PBH – 306 (MH 1962) Hybrid AHB 1200 Fe (MH 2072 (AHB 1200) hybrid PB 1705 (MH 2008) Hybrid BHB-1202 (Bikaner Hybrid Bajra-1202) (MH 1831) MH 2224 (PB 1852) Proagro Marutej (XMT 1358)
Little millet (2)	Jawahar Kutki 4 (JK 4) TNPsu 177
Kodo millet (1)	Jawahar Kodo 137
Finger Millet (2)	1. Vakula (PPR 2700) Chhattisgarh Ragi-2 (BR-36)

OILSEEDS (12)	
Soybean (3)	1. Pant Soybean 24 (PS 1477) 2. Shalimar Soybean – 1 (AGR/538) NRC 136
Groundnut (3)	1. GKVK 5 2. KadiriAmaravathi (K1535) 3. Dh 256
Sesame (1)	1. CUMS-17 (Suprava)
Indian Mustard (3)	1. RGN-298 - 72 nd ; 2. GM-3 (Gujarat Mustard-3) 3. DRMR 1165-40
Toria (2)	1. Raj VijayToria 1 2. Tapeshwari (TK 06-1)
PULSES (24)	
Urdbean/ blackgram (1)	1. IPU 11-02
Pigeonpea/ Red gram (13)	1. Prakash (IPA 203) 2. Gujarat Junagadh Pigeonpea-1 (GJP-1) 3. Ujwala (PRG 176) Mannemkonda Kandi (ICPH 2740) Hybrid GT-102 BRG 5 Amaravathi (LRG-52) BDN 716 (BDN 2008-7) GRG 811 (Dharamaraj) Warangal Kandi-1 (WRGE-97) Krishna (LRG 105) Tirupati Kandi 59 (TRG-59) Gujarat Til 5 (GT-105: Janki)
Horse gram (2)	PhuleSakas (SHG 0628-4) Bilasa Kulthi (BSP 15-1)
Cluster bean (Guar) (1)	1. Karan Guar 1 (RGr-12-1)
Chickpea (3)	Pusa 3043 (BG 3043) Pusa Chickpea 10216 (BGM 10216) Super Annigeri-1 (MABC-WR-SAI)
Lentil (2)	Kota Masoor 2 (RKL 14-20) Kota Masoor 3 (RKL 605-03)
Mothbean (1)	1. RMO-2251 (Marudhar)
Faba Bean (1)	Swarna Suraksha
FIBER CROPS (7)	
Cotton (5)	GN.Cot.25 SVPR 1 (TSHH-0629) Hybrid Nirmal-433 (NACH-433) Raj Vijay Kapas 67 (RVK 67) IH 67 (HR) LAHB Cotton – 1
Roselle (2)	Sampurna (CRIJAFR 8) Central Roselle Ratna (CRIJAF R-5)

FORAGES (12)	
Pearl Millet (1)	Moti Bajra (APFB-09-1)
Forage Sorghum (1)	1. Fodder Sorghum CO 31 (TNFS 0952)
Cowpea (1)	1. CO 9
Fescue (1)	1. Palam Fescue Grass-2 (Hima 14)
Guinea Grass (2)	1. Bundel Guinea -4 (JHGG 08-1) Dharwad Guinea Grass1(DGG-1) (RSDGG-1)
Rice bean (2)	1. JRBJ 05-2 2. Shyamalima (JCR-7-20)
Marvel Grass (1)	1. Phule Govardhan -(Marvel -2008-1)
Anjan Grass (1)	1. CAZRI Anjan-358 (CAZRI 358)
Forage Sewan Grass (1)	1. CAZRI Sewan-1 (CAZRI 30-5)
Setaria Grass (1)	1. Him Palam Setaria Grass 2 (S 25)
SUGARCROPS (18)	
Sugarcane (18)	CoBIn 02173(22/94) D01YANG CO 0212 Gujarat Sugarcane 5 (CoN 05071) Gujarat Sugarcane 7 (CoN 04131) Co 09004 (Amritha) CoVSI 03102 CoVC 99463 Ikshu - 4 (CoLk 11206) Sugarcane CO 06022 CoOr10346 (Charchika) SNK 07680(CoSnk 13103) Hiranyakeshi SNK 632 (CoSnK 03632) Uphar (Co 10026) CoLk 12209 (Ikshu-7) Phule-10001 (MS 10001) VSI 12121 (VSI 08005) Swarnamukhi (2005T16) Co 13013 (Akshaya)
