

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

LOK SABHA
UNSTARRED QUESTION NO. 5145
TO BE ANSWERED ON 24TH MARCH, 2026

SEED REPLACEMENT RATE

5145. Shri Anto Antony:
Shri Charanjit Singh Channi:
Smt. Jyotsna Charandas Mahant:
Dr. Kirsan Namdeo:

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

- (a) The Seed Replacement Rate (SRR) for major crops during the last five years in the country district -wise and State-wise and crop-wise including Chhattisgarh;
- (b) The details of subsidies and incentives provided by the Government for promotion and distribution of high-yielding or hybrid seed varieties during the same period, State-wise including Chhattisgarh;
- (c) The details of financial and institutional support provided for conservation, cultivation and marketing of traditional and indigenous seed varieties, including support for community seed banks and farmer custodians, since 2021-22;
- (d) whether any assessment has been undertaken on the impact of rising SRR and increased use of high-yielding varieties on the cultivation and conservation of traditional crop varieties and the findings thereof; and
- (e) whether any assessment has been undertaken on the impact of rising SRR on the cultivation of traditional varieties in the tribal belts of Chhattisgarh?

ANSWER

THE MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण राज्य मंत्री (SHRI RAM NATH THAKUR)

- (a): The Seed Replacement Rate State wise and major crop wise including Chhattisgarh from the year 2020-2021 to 2024-2025 is given at **Annexure-I**. District-wise data is not maintained at the central level.
- (b): The Government provides various subsidies and incentives for the promotion of high-yielding seed through several Central and State initiatives as under:

(i) The details of funds allocated and released under seed components of National Food Security and Nutrition Mission (NFSNM) is at **Annexure-II (A)**.

(ii) High-yielding quality seeds are also promoted through various interventions under other Departmental schemes. The combined release to all states including seed component under these schemes is provided at **Annexure-II (B)**.

(iii) Under the All India Coordinated Research Project on Seed (Crops), budgetary support is allocated to 68 centers across 26 States and Union Territories for the promotion of quality seed production and research. The State-wise budget allocation for this scheme is detailed in **Annexure-II (C)**.

(iii) State schemes in Chhattisgarh, such as the Akti Beej Samwardhan Yojana, also offer financial support for seed production and distribution.

(c) to (e) : Financial and institutional support is provided for the conservation of traditional seed varieties and community seed banks through several schemes. The Indian Council of Agricultural Research promotes quality seed production in traditional varieties and supplied 898.2 quintals of traditional varieties of seeds to farmers between 2020-2021 and 2024-2025. The National Gene Bank has successfully conserved 98,242 traditional, farmer, and landrace varieties. The Protection of Plant Varieties and Farmers' Rights Authority provides financial support for the conservation of traditional varieties by farmers through community seed banks. As of March 2026, 5,245 farmers' varieties have been registered under the Protection of Plant Varieties and Farmers' Rights Act, 2001, ensuring recognition of farmers' contributions while strengthening their income opportunities. Furthermore, farmers are awarded and recognized for their efforts to conserve traditional varieties of seeds through cash prizes, citations, and mementos. In Odisha, the State Government launched the Shree Anna Abhiyan scheme to support the development of seed banks for traditional crop varieties. 353 Community Managed Seed Centers have been established under this initiative. In Chhattisgarh, the Indira Gandhi Krishi Vishwavidyalaya is engaged in projects focused on the conservation, cultivation, and marketing of indigenous seed varieties.

No assessment or study has been undertaken regarding the impact of the rising Seed Replacement Rate on the cultivation of traditional varieties in the tribal belts of Chhattisgarh.

Annexure-I

STATE-CROP WISE SEED REPLACEMENT RATE OF IMPORTANT CROPS

FIGURES IN PERCENTAGE (%)

STATE	YEAR	WHEAT	PADDY		MAIZE		JOWAR		BAJRA		GRAM	PEAS	LENTIL	URD	MOONG	ARHAR	G.NUT	Rape seed Must ard	SOYABEAN	SUNFLOWER		COTTON		JUTE		
			Variety	Hybrid	Variety	Hybrid	Variety	Hybrid	Variety	Hybrid										Variety	Hybrid	Variety	Hybrid		Variety	Hybrid
ANDHRA PRADESH	2021		89.00	100.00		100.00	60.00	100.00		100.00	87.00			59.50	52.00	77.51	61.50				100.00					
	2022		89.00			100.00	100.00	100.00		100.00	85.00			60.00	52.00	77.00	62.00									
	2023		89.00		99.00	100.00	100.00	100.00		100.00	85.00			59.49	52.00	77.50	61.50									
	2024		89.00		99.00	100.00	100.00	100.00		100.00	85.00			59.49	52.00	77.50	61.50									
(Anticipated)	2025		89.00			100.00		100.00		100.00	85.00			59.50	52.00	77.50	61.50									
TELANGANA	2021		88.76	100.00		100.00	76.25	100.00	60.00	100.00	85.25			67.27	66.87	73.28	76.97		100.00		100.00		100.00			
	2022		89.00			100.00	76.00	100.00		100.00	85.00			60.00	50.00	77.00	63.00		100.00							
	2023		89.00	100.00		100.00	76.00		100.00	100.00	85.00			60.00	50.00	77.00	63.00									
	2024		89.00	100.00		100.00	76.00	100.00	100.00	100.00	85.00			59.00	50.00	77.00	63.00				100.00					
(Anticipated)	2025		89.00	100.00		100.00	76.00	100.00		100.00	85.00			60.00	50.00	78.00	63.00				100.00					
KARNATAKA	2021	-	34.58	-	-	100.00	33.25	100.00	32.33	100.00	-	-	-	32.01	30.63	30.19	19.38	-	79.70	-	100.00	24.60	100.00	-		
	2022		34.00			100.00	36.00	100.00		100.00				38.00	33.00	39.00	32.00		99.00							
	2023	34.02	33.00			100.00	100.00	100.00	35.00	100.00	32.00			36.09	32.00	39.00	37.00		90.00							
	2024	25.07	22.41			100.00	31.35	100.00	39.00	100.00	44.39			40.17	28.67	37.00	31.00				33.67					
(Anticipated)	2025	33.03	33.00			100.00	42.00	100.00	33.00	100.00	33.17			35.20	33.00	50.00	32.86				35.71					
TAMILNADU	2021	-	81.00		62.00		25.00		57.00		34.00			48.00	35.00	51.51	9.50			51.50		78.00	100.00			
	2022		81.00		100.00	100.00	50.00		55.00		23.00			50.00	22.00	51.00	7.00		75.00							
	2023		61.00		11.06		50.00		74.00		34.35			95.00	21.00	19.00	4.00									
	2024		99.00		92.11	100.00	14.00		97.00		34.00			90.00	40.00	52.50	10.67									
(Anticipated)	2025		99.00			100.00			99.00		37.00			99.00	49.55	93.00	12.21									
PUDUCHERY	2021		80.00											65.00	50.00		77.78									
	2022		78.00											84.00	76.00		70.00									
	2023		81.99											74.57	74.35		58.19									
	2024		82.00											75.00	71.42		25.00									
(Anticipated)	2025		80.00												71.42		100.00									
GUJARAT	2021	44.00	48.00			100.00				100.00	46.00			48.00	48.00	46.00	22.00		100.00	40.00		70.00	100.00			
	2022	48.00	50.00			100.00	50.00			100.00	50.00			100.00	100.00	46.00	29.00		100.00	50.00						

STATE	YEAR	WHEAT	PADDY		MAIZE		JOWAR		BAJRA		GRAM	PEAS	LENTIL	URD	MOONG	ARHAR	G.NUT	Rape seed Must ard	SOYABEAN		SUNFLOWER		COTTON		JUTE
			Variety	Hybrid	Variety	Hybrid	Variety	Hybrid	Variety	Hybrid									Variety	Hybrid	Variety	Hybrid	Variety	Hybrid	
(Anticipated)	2025		33.00																						
HIMACHAL PRADESH	2021	26.31	51.67		26.60					100.00	99.65		75.86						42.10	92.22					
	2022	26.00	29.00		32.00						85.00		29.00						48.00	31.00					
	2023	43.00	54.00		53.00	100.00					82.00		42.00						39.00	53.00					
	2024	44.75	54.00		57.00	71.00					75.90		42.25						42.22	57.00					
(Anticipated)	2025	46.15	59.00			75.00					83.33		44.44						46.70	58.33					
JAMMU & KASHMIR	2021	38.04	41.34			-	-	-	-	-				1.46	1.90	-	-	-	-	-	-	-	-	-	-
	2022	43.00	44.00		42.00	-	-	-	-	-	20.00	18.00	46.00	5.00	3.00	-	-		12.00	-	-	-	-	-	-
	2023	44.00	49.00		64.00	-	67.00	-	42.20	-	36.00	12.34													
	2024	44.31	49.00		64.00		67.00		44.00		47.90	68.49							13.00	20.00					
(Anticipated)	2025	48.07	49.00		64.00		69.00				55.55	69.12							23.00	29.00					
ODISHA	2021		33.77		64.30						17.69	9.06		7.14	17.65	7.17	16.00				33.72		65.00		31.25
	2022		33.00		56.00						20.00						4.00		10.00	12.00	7.00				
	2023		27.65		59.00						34.00	22.00					6.00	6.00		17.00	6.00				
	2024		28.00		56.00						85.00	37.00	55.00				9.00		11.00	24.00	8.00				
(Anticipated)	2025		33.00		59.00						87.00	38.00	55.00				10.00		22.00	23.00	13.00				
WEST BENGAL	2021	56.22	40.50	-	86.00	-	-	-	-	-	36.00	-	36.08		38.98	53.13	46.00								85.95
	2022	56.00	41.00	-	87.00	-	-	-	-	-	37.00	-	37.00		40.00	40.00	53.00	46.00							
	2023	57.00	42.00	-	87.14	-	-	-	-	-	38.07	-	38.08		41.00	41.82	55.28	47.13							
	2024	57.00	43.00		87.00						39.00		38.00		42.70	42.00	55.00	47.00							
(Anticipated)	2025	58.00	44.00		88.00						40.00		40.00		43.00	43.00	60.00	48.00							
BIHAR	2021	45.67	49.05	-	100.00	-	-	-	-	-	23.49		14.57		-	-	31.31								
	2022	40.00	50.00	-	-	100.00	-	-	-	-	38.00	4.00	26.00			7.00			27.00						
	2023	42.60	50.52	-	100.00	100.00	-	-	75.00	-	19.00	11.70	25.48			6.00	17.14		55.00	6.00	17.14				
	2024	46.00	50.90		100.00						81.00	27.00	44.00	58.00			32.00	49.51							
(Anticipated)	2025	38.00	50.99		100.00						87.00	34.00	34.00	34.00											
CHHATTISGARH	2021	57.50	57.91	-	99.85	-	-	-	-	-	25.40	21.98	50.00		33.33	30.30	13.54								
	2022	52.00	59.00	-	-	-	-	-	-	-	35.00	34.00	44.00				33.00		34.00	37.00	34.00				
	2023	49.45	58.72	-	-	-	-	-	-	-	35.44	34.92	45.41				34.72		34.87	37.18	35.71				
	2024	50.00	59.09								38.00	36.00	47.00				36.00		34.00	41.00	36.19				
(Anticipated)	2025	51.00	59.00								38.00	37.00	47.00				37.00		36.00	42.00	37.00				
ASSAM	2021	-	34.38	-	89.88	-	-	-	-	-	-	-	-						35.39	37.30	-	-			
	2022	-	43.00	-	90.00	-	-	-	-	-	-	-	-							38.00	-	-			
																			48.00						

STATE	YEAR	WHEAT	PADDY		MAIZE		JOWAR		BAJRA		GRAM	PEAS	LENTIL	URD	MOONG	ARHAR	G.NUT	Rape seed Must ard	SOYABEAN	SUNFLOWER		COTTON		JUTE
			Variety	Hybrid	Variety	Hybrid	Variety	Hybrid	Variety	Hybrid										Variety	Hybrid	Variety	Hybrid	
	2023	-	45.36	-	89.95	-	-	-	-	-	-	-	35.00	29.30	26.00	-	-	45.00	-	-	-	-	-	-
	2024		45.36		89.95								35.00	29.30	26.00			48.00						
(Anticipated)	2025		45.36		89.95								35.00	29.30	26.00			48.00						
UTTARAKHAND	2021	39.86	34.67		10.87						35.00		36.15	35.00				70.00	11.03					
	2022	41.00	17.00								4.00		46.00	17.00				30.00	5.00					
	2023	42.00	19.00		18.43						9.00		71.00	33.00				29.89						
	2024	46.00	19.00		33.02						33.00		86.00	33.00				18.00						
(Anticipated)	2025	44.00	33.00										36.00	32.00				35.00						
JHARKHAND	2021	27.94	21.05	-	28.55	-	1.14	-	-	-	13.21	18.23	27.45	24.52	8.29	20.87	16.85	25.27	34.28	-	-	-	-	-
	2022	23.00	22.00	-	37.00	-	25.00	-	-	-	15.00	17.00	25.00	27.00	16.00	16.00	11.00	28.00	-	-	-	-	-	-
	2023	23.00	24.00	-	42.00	-	25.00	-	-	-	23.00	24.00	22.00	21.00	21.00	21.00	24.00	23.00	-	-	-	-	-	-
	2024	23.53	24.56		35.99		20.83				25.77	19.50	24.22	23.61	22.00	21.93	24.32	25.15						
(Anticipated)	2025	24.23	24.60		38.04		20.83				26.22	20.59	25.58	25.00	24.39	22.78	24.96	26.75						
TRIPURA	2021		40.22	100.00	100.00		-					100.00	100.00	100.00	100.00		100.00	83.33						100.00
	2022		36.00	100.00		100.00								50.00				98.00						
	2023	100.00	38.51	100.00	100.00	100.00								10.00		100.00		100.00						
	2024	100.00	36.75	100.00	100.00	100.00						99.78		100.00		100.00	100.00	101.00						
(Anticipated)	2025	100.00	36.72		100.00							100.00		100.00			100.00	100.00						

Annexure-II (A)

Funds released under Seed Components of NFSNM (erstwhile SMSP)

(Amount in Rs. Lakhs)

States/ FY	2020-21	2021-22	2022-23	2023-24	2024-25
ANDHRA PRADESH	310.07				302.02
ARUNACHAL PREDESH	112.63		77.03	80.14	218
ASSAM	1,487.48			88.37	550
BIHAR	540.89		157.45	403.04	700
CHHATTISGARH	340.16	388.2	592.83	906.19	1,150.59
DELHI					
GUJARAT	156.3			150.09	103
HARYANA					
HIMACHAL PRADESH	645.75	378.56	1,015.28	383.92	385
JAMMU & KASHMIR	841.79		544.45	471.74	377.75
JHARKHAND				7.08	
KARNATAKA	35.81			10.92	28.8
KERALA					
MADHYA PRADESH	1,934.45	658.14	2,021.58	551.61	944
MAHARASHTRA	1,126.39		1,935.61	2,145.56	1,921.96
MANIPUR				22.07	97.3
MEGHALAYA	44.45			25.65	211
MIZORAM	3.94			12.6	32
NAGALAND	131.49			47.02	188
ODISHA				2.3	11.48
PUDUCHERRY					25
PUNJAB				75	90
RAJASTHAN	255.67	132.3	975.01	901.89	950
SIKKIM	4.03			30.64	132.92
TAMIL NADU	1,776.84	1,303.31	2,301.46	1,604.39	2,100.00
TELANGANA	428.24				37.68
TRIPURA					45
UTTAR PRADESH	1,587.04			442.38	1,150.00
UTTARAKHAND	555.82	157.63	259.4	552.89	332.7
WEST BENGAL				25.14	51
CENTRAL AGENCY	511.22	53.42	1426.46	1026.06	1951.73
Total	12,830.46	3,071.56	11,306.56	9,966.69	14,086.93

Annexure- II (B)
(Amount in Rs. Crores)

Scheme/FY	2020-21	2021-22	2022-23	2023-34	2024-25
National Food Security Mission (Oilseeds) and National Mission on Edible Oils- Oilseeds	466.39	199.67	278.46	416.93	676.12
National Food Security and Nutrition Mission(NFSNM)	1208.93	795.64	841.70	1414.58	1976.62

Annexure-II (C)

State-wise Budget Allocation under All India Coordinated Research Project on Seed
(Crops)

(Amount in Rs. Lakhs)

State / Union Territory	2021-22	2022-23	2023-24	2024-25	2025-26
Andhra Pradesh	17.0	10.5	14.5	42.0	93.5
Andaman & Nicobar Islands	11.8	8.0	7.5	11.0	9.5
Assam	177.3	176.1	411.6	350.5	365.6
Bihar	32.0	20.8	20.0	32.5	34.0
Chhattisgarh	69.0	52.0	95.0	81.5	95.3
Delhi	31.8	36.0	22.8	36.0	31.0
Gujarat	175.7	158.4	208.8	177.5	159.9
Goa	14.0	13.0	16.5	9.5	13.5
Himachal Pradesh	132.3	109.5	157.0	175.5	198.5
Haryana	95.0	69.5	126.3	149.5	183.5
Jammu & Kashmir	95.2	86.0	124.3	141.5	105.5
Jharkhand	14.8	9.5	19.0	10.5	6.0
Karnataka	282.2	351.4	465.3	716.3	511.5
Kerala	56.5	54.8	56.8	52.2	45.0
Madhya Pradesh	184.3	219.5	225.5	249.0	261.0
Maharashtra	485.8	529.3	636.9	644.8	606.5
Manipur	98.4	50.7	146.4	219.3	210.0
Odisha	136.1	105.5	111.8	131.0	147.0
Punjab	192.2	188.7	218.8	331.8	523.5
Pondicherry	27.9	34.0	44.6	52.0	58.5
Rajasthan	140.6	91.0	107.0	138.5	204.0
Tamil Nadu	160.9	188.3	257.4	278.2	252.0
Telangana	239.5	239.8	303.8	349.0	424.8
Uttarakhand	123.5	183.0	368.6	154.0	148.0
Uttar Pradesh	325.2	300.1	271.0	297.3	260.1
West Bengal	33.8	15.0	26.3	41.2	47.7
Total	3352.4	3300.2	4463.1	4872.1	4995.3

(Source: Data provided by Crop Science Division of Indian Council of Agricultural Research)
