

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

LOK SABHA
UNSTARRED QUESTION NO. 3753
TO BE ANSWERED ON 11th AUGUST, 2026

DISEASE RESISTANT SUGARCANE SEEDS

3753. Shri Rajeev Rai:

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

- (a) whether the Government has assessed the continued cultivation of the red rot-susceptible sugarcane variety Co.0238 in Uttar Pradesh despite repeated advisories for its phased replacement, if so, the district-wise area still under the variety;
- (b) the details of disease-resistant sugarcane seed supplied and the number of farmers covered under the replacement programme during the last three years, district-wise;
- (c) whether the Government has assessed the reasons for the slow adoption of recommended disease-resistant varieties, including shortages of quality seed, extension support and farmer awareness, if so, the details thereof;
- (d) the incidence of red rot disease since 2021, district-wise; and
- (e) the outcome of the replacement programme in reducing crop losses and improving productivity?

ANSWER

MINISTER OF STATE FOR AGRICULTURE & FARMERS WELFARE

कृषि एवं किसान कल्याण राज्यमंत्री (SHRI RAMNATH THAKUR)

(a) : As per the information received from State Government, the area under Co 0238 variety of sugarcane in Uttar Pradesh declined from 86% in 2020–21 to 29% in 2025–26, reflecting the phased replacement of this variety.

District wise area under Co 0238 variety and total area under Sugarcane in UP during 2025-26 is at **Annexure I**.

(b) : During last three years, the State Government has carried out production and distribution of seeds of red rot disease resistant sugarcane varieties in a phased manner through breeder, foundation and primary nurseries. District wise details of disease resistant seed distributed by State Government in last three years is at **Annexure II**.

(c) : As informed by State Government, the pace of variety replacement was slow in the initial phase due to the area under sugarcane variety Co 0238 being more than 86% of the total coverage and the relatively longer time required for the Seed multiplication process of sugarcane seed. However, the pace of variety replacement has now accelerated due to the availability of several new early maturing sugarcane varieties such as CoS 19231, CoS 17451, CoS 18231, CoLk 16202, CoLk 15466, Co 15023 and mid and late maturing sugarcane varieties such as CoS 16233, CoS 15233, CoLk 16470, CoLk 15206, CoLk 14204, CoLk 15207.

(d) : As per the data provided by State Government, the area affected by red rot disease in sugarcane, district wise since 2021-22 is at **Annexure III**.

(e) : The State Government has informed that, as a result of the varietal replacement programme, crop losses due to disease have reduced. The yield per hectare has gone up from 81.34 MT in 2023-24 to 81.97 MT in 2025-26.

Annexure -I

District wise area under Co 0238 variety and total area under Sugarcane in UP during 2025-26 :

(Figures in Hectares)

District	Area under Co 0238 variety	Total Area under Sugarcane
Saharanpur	55,391	1,19,406
Muzaffar Nagar	94,102	1,76,916
Shamli	50,083	79,057
Meerut	1,02,796	1,57,825
Gaziabad	16,144	23,786
Bulandsahar	52,721	82,333
Baghpat	67,693	85,738
Hapur	15,102	39,841
Aligarh	4,381	6,643
Mathura	2	300
Bijnor	1,14,993	2,55,484
Rampur	8,681	30,613
Muradabad	11,593	75,010
Amroha	45,175	1,00,474
Sambhal	19,017	43,882
Bareilly	11,234	1,01,321
Pilibhit	2,065	1,02,792
Shahjahanpur	7,629	1,00,815
Badaun	5,008	17,014
Kasganj	1,768	3,486
Farrukhabad	3,113	7,788
Kanpur Nagar	2,934	5,066
Raibareli	551	2,797
Sitapur	42,810	2,22,628
Lakhimpur	24,896	3,55,223
Hardoi	27,852	68,476
Barabanki	585	9,721
Ayodhya	7,385	44,688
Sultanpur	748	8,622

Jaunpur	286	2,453
Gazipur	140	4,210
Varanasi	19	2,349
Ambedkar nagar	1,405	19,853
Behraich	12,189	83,633
District	Area under Co 0238 variety	Total Area under Sugarcane
Gonda	12,083	1,07,173
Balrampur	3,703	95,970
Basti	938	63,937
Siddharth nagar	1	387
Gorakhpur	4	2,723
Maharajganj	218	18,776
Kushi nagar	9,236	96,603
Deoria	2,199	13,985
Mau	23	8,537
Azamgarh	3	11,656
Balia	21	1,359
Total	8,38,920	28,61,349

Annexure - II**District Wise details of disease resistant seed distributed by State**
Government in last 3 years**(Figures in Quintals)**

Sl. No.	District	2023-24	2024-25	2025-26
1	Saharanpur	2,99,735.6	3,24,982.9	2,30,689.4
2	Muzaffar Nagar	2,96,940.5	7,31,612.2	3,82,851.1
3	Shamli	3,04,838.7	4,08,459.9	1,53,651.8
4	Meerut	1,64,179.9	2,16,388.2	1,54,958.7
5	Baghpat	76,230.4	1,30,516.6	1,21,703.3
6	Gaziabad	18,039.5	32,391.3	37,036.9
7	Hapur	66,181.9	75,415.4	66,800.2
8	Bulandsahar	92,661.6	1,08,319.5	98,853.9
9	Mathura	1,150.3	1,920.7	3,320.0
10	Aligarh	13,132.4	18,357.1	14,418.0
11	Muradabad	1,01,351.8	1,41,496.3	97,323.2
12	Rampur	61,090.4	99,345.0	60,863.1
13	Amroha	2,68,180.1	2,67,664.0	1,61,939.6
14	Bijnor	4,49,918.5	5,75,272.2	4,58,909.1
15	Sambhal	76,038.9	1,09,757.9	90,220.7
16	Bareilly	1,36,690.4	2,42,596.4	1,71,429.9
17	Badaun	51,427.2	95,886.0	53,308.3
18	Pilibhit	1,27,458.2	1,48,977.7	2,13,799.2
19	Shahjahanpur	85,895.6	1,21,336.5	79,306.3
20	Kasganj	23,532.5	43,749.0	27,228.1
21	Lakhimpur Khiri	5,79,430.9	9,72,551.6	1,473,721.3
22	Sitapur	2,21,172.5	3,15,128.7	4,34,982.0
23	Raibareli	10,700.9	11,060.7	10,961.0
24	Farrukhabad	17,907.2	14,338.8	8,694.0
25	Hardoi	78,520.5	87,327.2	83,038.3
26	Kanpur	6,755.0	6,365.1	2,848.3
27	Ayodhya	51,355.2	1,02,892.1	91,664.5
28	Sultanpur	33,213.0	29,545.6	9,391.1
29	Barabanki	24,196.8	23,960.4	9,747.6
30	Jaunpur	16,935.2	14,001.1	9,478.0

Sl. No.	District	2023-24	2024-25	2025-26
31	Gazipur	14,860.8	11,813.1	9,004.5
32	Varanasi	6,871.2	5,904.9	4,330.4
33	Ambedkar Nagar	35,122.2	31,060.5	21,320.0
34	Gonda	1,06,918.7	1,41,180.2	1,49,086.8
35	Balrampur	1,68,229.5	3,44,907.8	1,66,326.0
36	Behraich	1,01,056.1	1,61,525.8	80,542.4
37	Gorakhpur	29,131.1	9,207.8	13,383.6
38	Basti	54,788.7	1,27,239.4	96,431.3
39	Maharajganj	35,620.9	34,643.9	26,939.0
40	Siddharth nagar	4,249.9	3,144.6	4,654.0
41	Kushi nagar	1,65,920.2	3,33,622.1	1,76,448.8
42	Deoria	19,749.1	25,219.4	21,362.2
43	Mau	19,508.1	22,509.9	18,861.6
44	Balia	7,527.2	8,355.9	4,145.0
45	Azamgarh	80,118.8	80,571.7	70,483.5
Total		46,04,533.8	68,12,522.8	56,76,455.9

Annexure –III

<u>District wise area affected (in Hectares) by red rot disease in sugarcane in Uttar Pradesh during 2021-22 to 2025-26</u>						
S. No.	District	2021-22	2022-23	2023-24	2024-25	2025-26
1	Saharanpur	0.0	0.0	32.0	40.0	12.6
2	Muzaffar Nagar	0.0	2.5	88.8	39.6	1.8
3	Shamli	0.0	0.0	21.1	11.0	0.1
4	Meerut	0.0	0.0	17.7	0.0	48.7
5	Baghpat	0.0	0.0	0.0	0.0	0.0
6	Ghaziabad	0.0	2.7	0.0	0.0	0.0
7	Hapur	0.0	242.4	0.0	0.0	11.4
8	Bulandsahar	0.0	0.0	255.0	0.0	0.0
9	Mathura	0.0	0.0	0.0	0.0	0.0
10	Aligarh	0.0	0.0	0.0	0.0	2.0
11	Muradabad	7.0	0.0	5,752.0	2,613.2	842.1
12	Rampur	0.0	0.0	1,090.0	38.0	314.0
13	Amroha	0.0	0.0	1,440.0	959.0	392.0
14	Bijnor	5.6	75.8	4,396.0	3,826.6	3,116.9
15	Sambhal	1.7	13.0	298.7	115.8	1,198.0
16	Bareilly	423.5	380.9	1,505.3	450.3	0.3
17	Badaun	0.0	14.1	156.0	398.0	0.0
18	Pilibhit	405.3	127.3	1,170.0	98.5	9.0
19	Shahjahanpur	345.4	1,266.8	1,034.5	2,323.7	0.0
20	Kasganj	0.0	0.0	14.0	28.0	0.0
21	Lakhimpur	4,145.0	10,142.5	22,381.0	3,632.0	54.9
22	Sitapur	0.0	1,046.4	4,179.0	1,884.7	64.4
23	Raibareli	0.0	0.0	0.0	0.0	0.0
24	Farrukhabad	0.0	0.0	0.0	80.0	0.0
25	Hardoi	0.0	3,312.0	14,751.0	10,633.4	256.5
26	Kanpur	0.0	0.0	0.0	0.0	0.0
27	Ayodhya	0.0	422.0	731.8	248.4	5.8
28	Sultanpur	0.0	55.0	18.6	1.1	0.0
29	Barabanki	0.0	48.3	102.8	3.2	5.6
30	Jaunpur	0.0	5.8	11.0	0.0	0.0

31	Gazipur	0.0	0.0	0.0	0.0	0.0
32	Varanasi	0.0	0.0	0.0	0.0	0.0
S. No.	District	2021-22	2022-23	2023-24	2024-25	2025-26
33	Ambedkar Nagar	0.0	311.8	753.0	6.0	0.0
34	Gonda	0.0	955.1	689.7	12.5	0.0
35	Balrampur	0.0	1,130.0	640.0	0.0	0.0
36	Behraich	102.0	120.4	120.0	0.0	0.0
37	Gorakhpur	0.0	15.3	0.0	0.0	0.0
38	Basti	0.0	485.1	242.2	0.0	15.7
39	Maharajganj	0.0	167.0	0.0	0.0	0.0
40	Siddharth nagar	0.0	0.0	0.0	0.0	0.0
41	Kushi nagar	0.0	6,839.0	32.0	0.0	19.9
42	Deoria	0.0	440.0	18.0	0.0	0.3
43	Mau	0.0	0.0	0.0	0.0	0.0
44	Balia	0.0	0.0	0.0	0.0	0.0
45	Azamgarh	0.0	0.0	0.0	0.0	0.0
Total		5,435.4	27,621.5	61,941.4	27,443.1	6,372.1
