

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

LOK SABHA
UNSTARRED QUESTION NO. 334
TO BE ANSWERED ON 05TH DECEMBER, 2023

VULNERABLE DISTRICTS UNDER NICRA

334. SHRI GAURAV GOGOI:

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

- (a) the details of most vulnerable districts/regions identified under National Innovations on Climate Resilient Agriculture (NICRA); and
- (b) the crop varieties and management practices identified and developed for adaptation and mitigation of climate resilient agriculture?

ANSWER

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

(a) A total of 310 districts of the country have been identified as the most vulnerable (109 districts as 'Very High' and 201 districts as 'Highly' vulnerable category) under NICRA and details are presented in Annexure I.

(b) Indian Council of Agricultural Research (ICAR) has developed climate resilient crop varieties for improving the food production. Since 2014, a total of 1971 climate resilient varieties have been developed and released, which include 429 abiotic stress tolerant varieties and 1542 biotic stress tolerant.

Major adaptation practices include renovation of community tanks/ponds for augmentation of village level water resources and its management; improving water-use efficiency; laser land levelling; soil test-based integrated nutrient management; community paddy nursery; contingency crop plans; sustainable intensification in rice fallows and zero-till sowing; and small farm mechanization through Custom Hiring Centers. Likewise, the major mitigation practices identified are direct seeded rice; *in-situ* crop residue management; agroforestry interventions; and integrated farming systems for climate resilient Agriculture.

ANNEXURE- I**[Part (a) of Lok Sabha USQ No. 334 dated 5TH DECEMBER, 2023]****List of State-wise vulnerable districts with 'Very high' and 'High' category**

S. No.	State	Very High vulnerable districts		Highly vulnerable districts	
		No.	Name	No.	Name
1	Andhra Pradesh	1	Anantapur	3	Srikakulam, East Godavari, Kurnool
2	Arunachal Pradesh	1	Upper Siang	6	Lower Subansiri, Tawang, West Siang, East Siang, Lohit, Dibang valley
3	Assam	2	Nalbari, Darrang	5	Kokrajhar, Dhubri, Barpeta, Morigaon, Dhemaji
4	Bihar	10	Sitamarhi, Madhubani, Supaul, Kishanganj, Katihar Saharsa, Darbhanga, Lakhisarai, Sheikhpura, Nalanda	13	Champanan(West), East Champanan, Purnea, Madhepura, Gopalganj, Siwan, Samastipur, Begusarai, Khagaria, Bhagalpur, Patna, Bhojpur, Buxar
5	Chhattisgarh	-	-	6	Jashpur, Raigadh, Korba, Durg, Mahasamund, Kanker
6	Gujarat	2	Panchmahal, Dahod	6	Banaskantha, Patan, Anand, Kheda, Narmada, Dang
7	Haryana	3	Fatehabad, Bhiwani, Mahendragarh	8	Kaithal, Jind, Sirsa, Hissar, Rohtak, Jhajjar, Rewari, Gurgaon
8	Himachal Pradesh	2	Chamba, Mandi	6	Kangra, Kullu, Hamirpur, Bilaspur, Shimla, Kinnaur
9	Jammu & Kashmir	3	Leh(Ladakh), Poonch, Kathua	7	Baramulla, Budgam, Anantnag, Kargil, Doda, Udhampur, Rajouri
10	Jharkhand	-	-	6	Garhwa, Godda, Sahibganj, Pakur, Gumla, West Singbhum
11	Karnataka	3	Gadag, Haveri, Chitradurga	12	Bagalkot, Gulbarga, Bidar, Koppal, Dharwad, Bellary, Tumkur, Kolar, Bangalore (Rural), Hassan, Mysore, Chamarajanagar
12	Kerala	8	Kasaragod, Kozhikode, Ernakulam, Kottayam, Alappuzha, Pathanamthitta, Kollam, Thiruvananthapuram	5	Kannur ,Wayanad, Malappuram, Palakkad, Thrissur

13	Madhya Pradesh	2	Bhind, Jhabua	14	Morena, Datia, Tikamgarh, Chhatarpur, Panna, Rewa, Shahdol, Sidhi, Mandasaur, Ratlam, Barwani, Betul, Dindori, Mandla
14	Maharashtra	2	Nanded, Beed	11	Nandurbar, Akola, Washim, Wardha, Chandrapur, Hingoli, Parbhani, Jalna, Ahmednagar, Latur, Osmanabad
15	Manipur	-	-	6	Senapati, Churachandpur, Thoubal, Imphal East, Ukhrul, Chandel
16	Meghalaya	6	West Garo Hills, East Garo Hills, South Garo Hills, West Khasi Hills, East Khasi Hills, Jaintia Hills	1	Ri-Bhoi
18	Mizoram	2	Lawngtlai, Saiha	5	Kolasib, Aizawl, Champhai, Serchhip, Lunglei
19	Nagaland	1	Tuensang	5	Mon, Mokokchung, Zunheboto, Wokha, Phek
20	Orissa	6	Keonjhar, Balasore (Baleshwar), Kendrapara, Jagatsingpur, Jajpur, Puri	13	Baragarh, Mayurbhanj, Bhadrak, Dhenkanal, Nayagarh, Khurda, Ganjam, Gajapati, Bolangir, Nuapada, Kalahandi, Rayagada, Nabarangpur
21	Punjab	5	Gurdaspur, Jalandhar, Moga, Faridkot, Bathinda	4	Firozpur, Muktsar, Mansa, Sangrur
22	Rajasthan	17	Ganganagar, Hanumanagar, Churu, Jhunjhunu, Alwar, Karauli, Dausa, Sikar, Nagaur, Jodhpur, Jaisalmer, Barmer, Pali, Jalore, Bhilwara, Dungarpur, Banswara	10	Bikaner, Bharatpur, Dholpur, Jaipur, Sirohi, Ajmer, Tonk, Bundi, Rajsamand, Udaipur
23	Sikkim	1	South	3	North, West, East
24	Tamilnadu	-	-	5	Dharmapuri, Villupuram, Coimbatore, Perambalur, Ramanathapuram

25	Telangana	-	-	2	Adilabad, Mahabubnagar
26	Uttar Pradesh	22	Bagpat, Unnao, Kannauj, Etawah, Auraiya, Kanpur (Dehat), Jalaun, Jhansi, Hamirpur, Mahoba, Banda, Chitrakut, Fatehpur, Kaushambi, Allahabad, Bahraich, Shravasti, Balrampur, Gonda, Basti, Jaunpur, Sant Ravidas Nagar	26	Saharanpur, Rampur, Jyotiba Phulenagar, Aligarh, Hathras, Mathura, Agra, Budaun, Pilibhit, Shahjahanpur, Sitapur, Rae-Bareilly, Farrukhabad, Kanpur City, Lalitpur, Pratapgarh, Ambedkar Nagar, Siddharth Nagar, Sant Kabir Nagar, Maharajganj, Gorakhpur, Kushi Nagar, Deoria, Varanasi, Mirzapur, Sonbhadr
27	Uttarakhand	7	Uttarkashi, Rudraprayag, Tehri Garhwal, Pithoragarh, Bageshwar, Almora, Champawat	2	Chamoli, Pauri Garhwal
28	West Bengal	3	Malda, 24-Paraganas (North), 24-Paraganas (South)	11	Darjeeling, Jalpaiguri, Cooch Behar, Dinajpur (Uttar), Dinajpur (Dakshin), Murshidabad, Birbhum, Nadia, Purulia, Howrah, Midnapore
	Total districts	109		201	