WHEAT CROP HEALTH NEWSLETTER
गेहूँ फसल स्वास्थ्य समाचार पत्रिका

WHEAT CROP HEALTH NEWSLETTER
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सारांश

ICAR-IIWBR और AICRPW&B सहयोगी केंद्रों के वैज्ञानिकों ने देश के सभी गेहूं उगाने वाले क्षेत्रों में गेहूं की फसल की सेहत का सर्वेक्षण किया है। कुल मिलाकर, फसल उत्कृष्ट स्थिति में है। हालांकि, जनवरी के अंतिम सप्ताह में, हरियाणा के सिरसा जिले के नुहियावली गांव में एक किसान के गेहूं के खेत (cv. DBW303) के एक छोटे से हिस्से में पीले रतुआ की पहली घटना देखी गई। इसी तरह, पंजाब के रोपड़ जिले के ब्लॉक श्री आनंदपुर साहिब के जंडला गांव में जनवरी के दूसरे सप्ताह में भूरे रतुआ की पहली घटना की सूचना मिली। बाद में, पंजाब के नवांशहर के बलाचौर में छड़ौरी गांव में गेहूं की किस्म PBW 826 में भी पीले रतुआ की घटना देखी गई। पीले और भूरे रतुआ के प्रबंधन के लिए, प्रभावित क्षेत्रों के किसानों को बीमारी को नियंत्रित करने और इसके आगे फैलने से रोकने के लिए 0.1% पर प्रोपिकोनाजोल या 50% टेबुकोनाजोल + 25% ट्रिफ्लोक्सीस्ट्रोबिन WG का 0.06% लगाने की सलाह दी गई। इसके अलावा, किसान के खेत में जंग का प्रकट होना, कुछ किसानों के खेतों में स्पॉट ब्लॉच, हेड ब्लाइट, रूट रॉट, एफिड्स, पिंक स्टेम बोरर, और शूट फ्लाई की बहुत कम घटनाएँ देखी गईं। इन अलग-अलग घटनाओं के बावजूद, गेहूं की फसल की समग्र सेहत उत्कृष्ट बनी हुई है, और वर्तमान मौसम की स्थिति फसल की वृद्धि के लिए अनुकूल है।

Summary

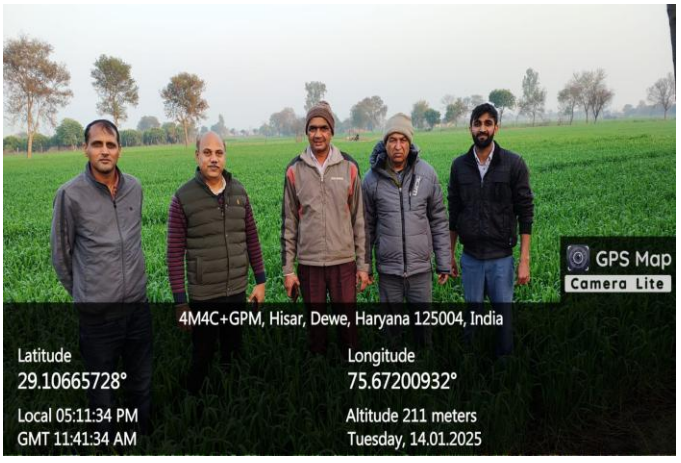
Scientists from ICAR-IIWBR and AICRPW&B cooperating centers have surveyed the health of the wheat crop across all wheat-growing regions in the country. Overall, the crop is in excellent condition. However, in the last week of January, the first incidence of yellow rust was observed in a small patch of a farmer's wheat field (cv. DBW303) in Nuhiyawali village, Sirsa, Haryana. Similarly, the first occurrence of brown rust was reported in the second week of January in a wheat field (cv. SW23) in Jandla village, Block Shri Anandpur Sahib, Ropar district, Punjab. Later the yellow rust occurance also observed in in Chhadauri Village, Balachaur, Nawanshahr, Punjab in wheat variety PBW 826 cultivar. For the management of both yellow and brown rust, farmers in the affected fields were advised to apply Propiconazole at 0.1% or Tebuconazole 50% + Trifloxystrobin 25% WG at 0.06% to control the disease and prevent its further spread. At present, foggy weather prevails, with temperatures ranging from 6°C to 16°C in Punjab, Jammu, and Haryana, conditions that favor the development of yellow rust. Therefore, farmers are advised to closely monitor their fields for any signs of the disease. Beside this, appearance of the rust in farmer's field, a very low incidence of spot blotch, head blight, root rot, aphids, pink stem borer, and shoot fly was observed in a few farmers' fields. Despite these isolated occurrences, the overall health of the wheat crop remains excellent, and the current weather conditions are favorable for crop growth.

Wheat crop health was monitored by scientists from coordinated centers through surveys. Additionally, information technology was employed to assess crop conditions, collecting data by contacting farmers and other stakeholders via mobile phones and WhatsApp. Overall, the crop health is excellent, with no significant damage observed due to diseases or insect infestations. The state-wise detailed report is as follows:

Haryana

Survey was conducted by Dr. Rajender Singh Beniwal Sr. Plant Pathologist and Dr. O.P. Bishnoi Sr. wheat Breeder on 10.01.2025 at farmers field of Biruwala gudha, Birjbhangu, Dhabhan ,Kharekha, Sikanderpur, Morewala, Gillakhera (Sirsa distt villages), Dariyapur, Badopal, Dharnia, Jhalnia, Bhana (Fatehabad distt villages), Kherampur, Kohli, Asrawana, Mothsara, Jagan, Chikanwas (Hisar distt villages). There was no incidence of yellow rust at farmer's field. Although, there was symptom of iron, manganese, sulphur deficiency at farmers field for which spray of $FeSo_4$ (500g/100 litr water), $MnSo_4$ (500g/100 litr water) and Urea (2.5kg) + $ZnSo_4$ (500g/100 litr water) respectively, were suggested.

On 14.01.2025, Dr Pradeep Sharma, PI (CP), ICAR-IIWBR, Karnal along with Plant Pathologists, Dr RS Beniwal and Dr. Pawan from CCS HAU Hisar visited Dewe, Patan and nearby villages. There was no incidence of yellow rust at farmer's field.



On January 31st, 2025, the first incidence of yellow rust having infection upto 20S was recorded in a small patch of a farmer's field in Nuhiyawali villages, Sirsa district, Haryana, on the DBW303 wheat genotype. Farmers were advised to spray Propiconazole at a concentration of 200ml in 200 liters of water.

On January 31st, 2025, a team led by Dr. Ravindra Kumar, Senior Scientist (Plant Pathology), and Dr. B.K. Singh conducted a wheat crop health survey focusing on yellow rust in the Haryana region. The survey route covered Yamuna Nagar, Bilaspur, Sadhaura, and Naraingarh. The growth stages of

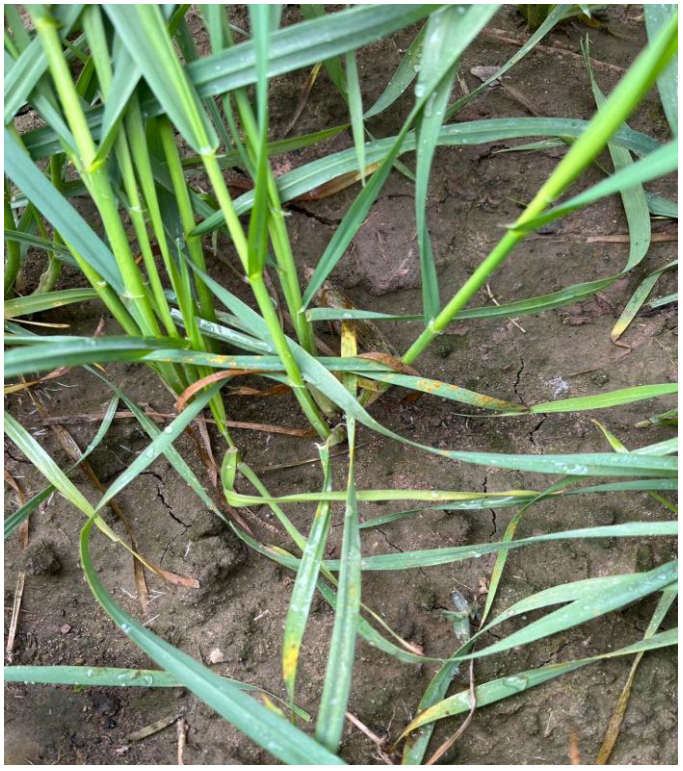
the wheat crop in the surveyed areas ranged from tillering to boot stage, with some very late-sown fields still in the seedling stage in certain pockets. Overall, no diseases were observed in the crop during the survey.

Table 1: Areas surveyed in Haryana during January 2025

Area Surveyed	State	GPS Location	Remarks
Phoosgarh, Indri	Haryana	N 29.53545 E 77.32916	No rust, Crop was in boot stage
Ban, Ladwa	Haryana	N 30.01463 E 77.44400	No rust, Crop was in tillering stage
Radaur	Haryana	N 30.34666 E 77.11427	No rust, Crop was in boot stage
Yamuna Nagar	Haryana	N 30.11225 E 77.17554	No rust, Crop was in tillering stage
Chahado,Jagadhri	Haryana	N 30.12160 E 77.17458	No rust, Crop was in boot stage
Marwa Kalan, Bilaspur	Haryana	N 30.18306 E 77.16515	No rust, Crop was in tillering stage
Sadaura Nadipar	Haryana	N 30.23570 E 77.12407	No rust, Crop was in boot stage
Gadauli, Naraingarh	Haryana	N 30.23574 E 77.10186	No rust, Crop was in tillering stage
Raju Majra, Naraingarh	Haryana	N 30.26243 E 77.82663	No rust, Crop was in tillering stage
Sain Majra, Naraingarh	Haryana	N 30.28128 E 77.65886	No rust, Crop was in tillering stage
Pathreri	Haryana	N 30.24166 E 77.11046	No rust, Crop was in tillering stage
Dhakola (Saha)	Haryana	N 30.16426 E 76.57549	No rust, Crop was in tillering stage
Saha, Shahabad	Haryana	N 30.13537 E 76.55184	No rust, Crop was in tillering stage
Khanpur Jatan	Haryana	N 30.71141 E 76.52138	No rust, Crop was in tillering stage
Ishargarh, Kurukshetra	Haryana	N 30.11128 E 76.53125	No rust, Crop was in tillering stage

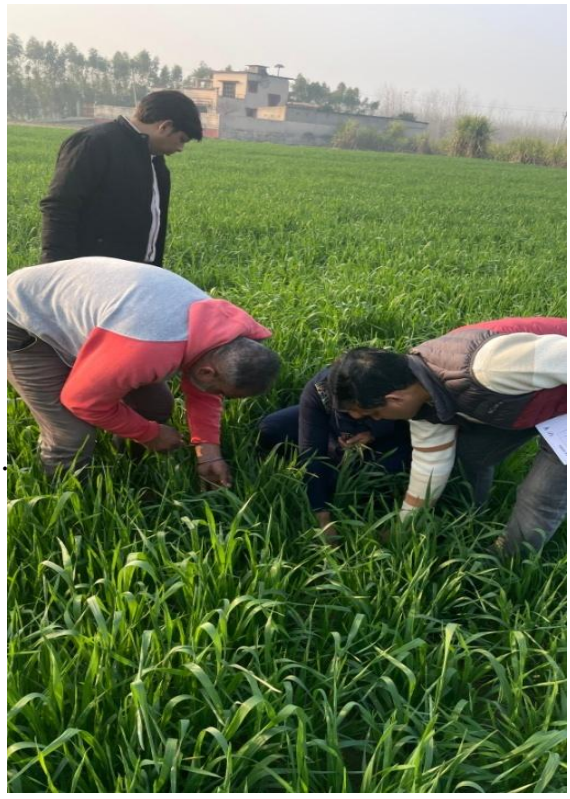
Punjab

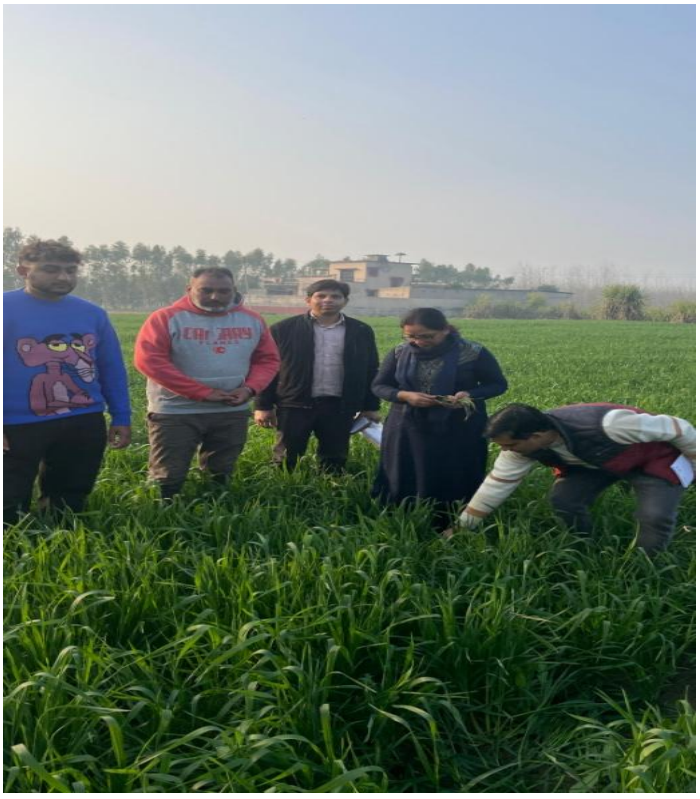
A survey was conducted by Dr Jaspal Kaur and scientists from KVK Ropar of PAU Ludhiana on 10.1.2025. The crop was found healthy. The incidence of leaf rust on variety SW23 was observed in one of the field in Jandla village of Block Sh Anandpur Sahib in Ropar district. The severity was 20S and farmer was advised to spray the affected area with propiconazole. The leaf samples have been sent to ICAR-IIWBR Regional station flowerdale center for race analysis.



A team composed of Dr. PL Kashyap, Senior Scientist (Plant Pathology), and Dr. Rakesh Bhairwa,

Scientist (Plant Breeding and Genetics) from ICAR-IIWBR, Karnal, along with Professor Jaspal Kaur from Punjab Agricultural University (PAU), Ludhiana, conducted a wheat health survey for yellow rust along the Ambala-Ludhiana-Nawanshahr-Rupnagar route and nearby areas on January 15 and 16, 2025. On January 15, 2025, the team visited wheat fields in Nawanshahr district, specifically in the villages of Saroa, Langroya, Chhadauri, and Rahon within Nawanshahr Tehsil of Shahid Bhagat Singh Nagar district. During interactions with farmers, it was observed that most wheat fields were at the tillering stage and free from major biotic and abiotic stresses. However, initial foci of brown rust were detected in the PBW 826 cultivar, cultivated by Mr. Sandeep Singh, son of Sh. Surjeet Singh, in Chhadauri Village, Balachaur, Nawanshahr, Punjab (31°9′7″ N 76°14′34″ E). The disease severity was recorded at 10S in the affected fields, and the farmer was advised to apply recommended fungicides, such as Propiconazole at 0.1% or Tebuconazole 50% + Trifloxystrobin 25% WG at 0.06%, to prevent further spread from the initial infection foci. On January 16, 2025, the team along with the scientific staff of KVK Rupnagar surveyed wheat fields in the villages of Dukli, Ajauli, Nikku Nangal, Chandesar, Darolli, and Donal in Rupnagar. No major incidence of yellow rust was observed in these areas. Furthermore, the team surveyed additional wheat fields in the vicinity and found no symptoms or foci of yellow rust and brown rust. Overall, the crop health across the surveyed locations was good





A crop health survey was conducted on 28.01.2025 in wheat fields of SBS Nagar, Ropar,

Gharshanker. The crop was in good condition in most of the surveyed fields. In 2-3 fields of the village Nikku Nangal, Block Sh Anadpur Sahib, the incidence of powdery mildew was observed. The severity was of 9 scale under the shade while it was 3-5 in the rest of the fields. In village Jandla, the incidence of stripe rust was observed on barley (variety unknown) (2 patches; severity 80S). The concerned farmers were contacted and advised to spray their crops with the recommended fungicides. At KVK Ropar, on TRAP nursery entry no. 8 HD2204, the incidence of leaf rust was observed today (31.1.2025) (severity - 10S).

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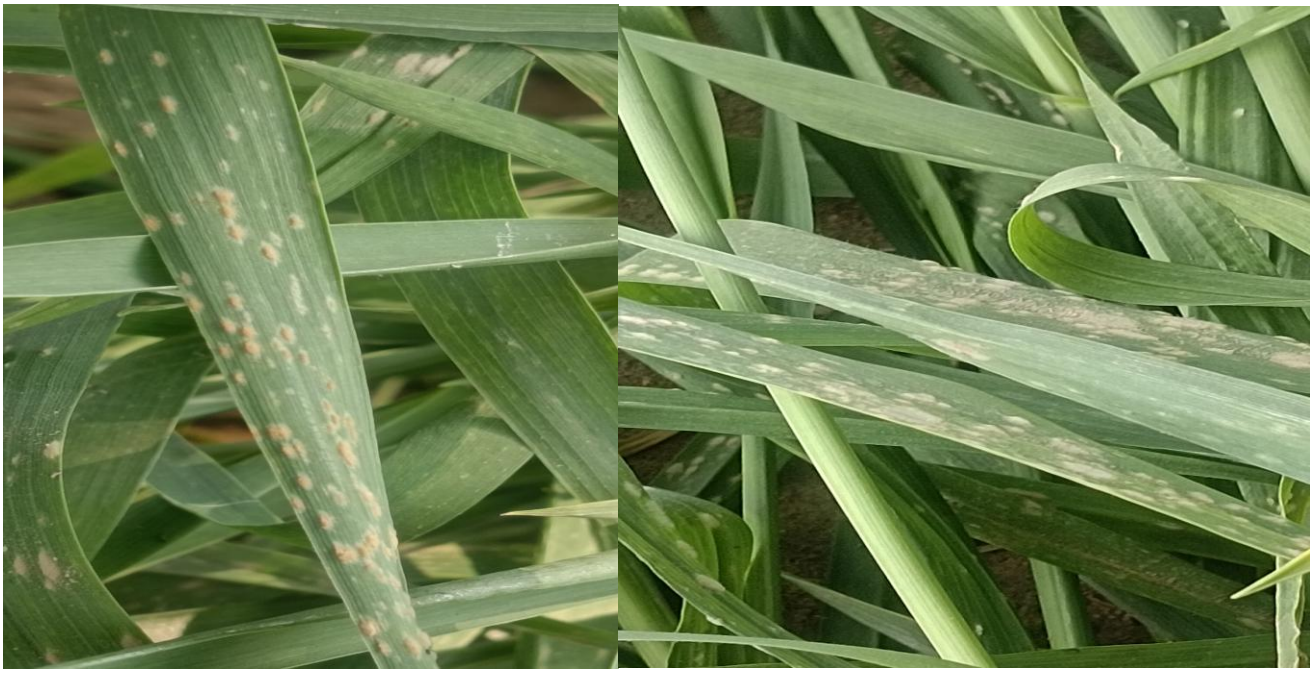


Himachal Pradesh

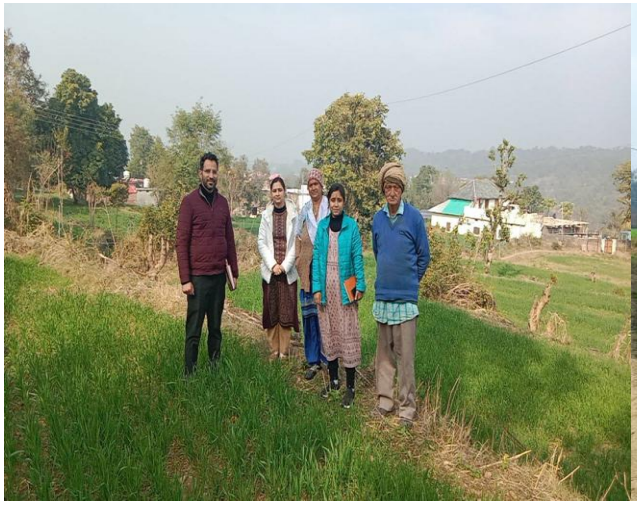
An extensive survey was conducted on 10.01.2025 by surveillance team for the occurrence of yellow rust and insect pest in wheat at Pragpur, Sehri, Muhi, Amroh, Kotla, Kotla Behar, Bholi and adjoining areas of Pragpur block of Distt. Kangra H.P. covering an area of about 22 ha. The team included Dr. Joginder Pal Rao, Assistant Professor (Plant Pathologist) Deptt. of Plant Pathology; Mrs. Reeta Thakur, ADO State Bio Ccontrol

Lab, Palampur; Mrs. Anju Sharma, AEO State Bio Control Lab, Palampur and Sh. Sapan AEO, O/o Pragpur block. The wheat crop was at tillering stage. The crop was sown in the 1st fortnight of November, 2024. The varieties sown by the farmers included HD 2967, HD3298, Naveen and local. During the survey, no yellow rust disease symptoms observed in these areas. Keeping in view the prevailing congenial conditions for disease development, the farmer contacted were advised to keep vigil on disease appearance and to adopt recommended practices as per the Agriculture University guidelines. The crop stage ranged between 65-70 days after sowing. During the survey no incidence of insects was reported. The overall condition of crop was

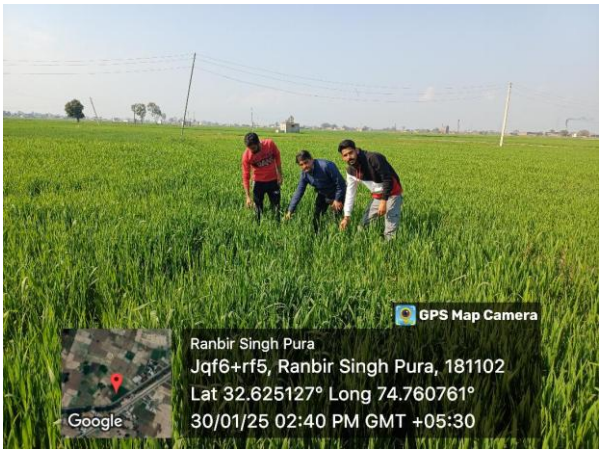
good in both irrigated as well as rainfed areas of the block. Keeping in view the occurrence of yellow rust almost every year, the farmers were also sensitized about this dreaded disease of wheat and were suggested cultivation of resistant varieties or go for varietal replacement to minimize the spray of fungicides.

Table 2: List of the farmers contacted during survey January, 2025

Sr. No.	Name and Address of the Farmer	Variety Sown	Date of Sowing
1.	Smt. Asha Kumari w/o Sh. Harbansh Lal vill. Kotla Behar	Naveen	1st fort night of Nov., 2024
2.	Sh. Krishan Kumar Sharma S/o Sh. Tirth Ram Vill. Kotla Behar	Local	1st fort night of Nov., 2024
3.	Sh. Kulwinder Singh S/o Sh. Onkar Singh Vill. Amroh	HD2967	1st fort night of Nov., 2024
4.	Smt. Anu W/o Late Sh. Rajesh Kumar Vill. Kasba kotla	-	1st fort night of Nov., 2024
5.	Sh. Onkar Singh S/o Sh. Munshi Ram Vill. Amroh	HD 3298	1st fort night of Nov., 2024
6.	Smt. Kamlesh Kumari W/o Sh. Dev Raj Sharma Vill. Sehri	Local	1st fort night of Nov., 2024
7.	Sh. Raj Kumar S/o Sh. Sheelo Ram Vill Muhi	Local	1st fort night of Nov., 2024
8.	Sh. Dilbag Singh S/o Sh Gian Singh Vill. Amroh	HD 3298	1st fort night of Nov., 2024



Jammu & Kashmir



On January 30th, 2025, Dr. M. K. Pandey, Chief Scientist at AICRP-W&B, conducted a survey in the Jammu and Samba districts to assess the health status of the wheat crop on farmers' fields. The survey route included stops at Chatha, Miran Sahib, Pir Baba, RS Pura, Satrayien, Badyyal Kaziyan, Talleyen, Dangrey, Boli Chak, and Chakroi.

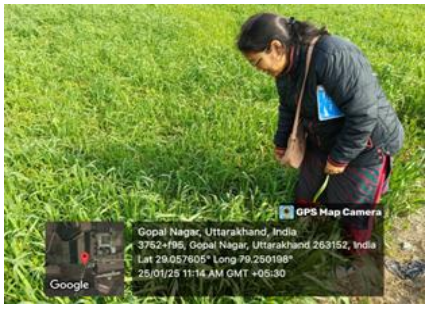
No rust diseases were observed in any of the fields surveyed. However, some fields exhibited patches of leaf blight and leaf yellowing, though the severity and intensity were low. No insect infestations were found in any fields. The ongoing long dry spell is significantly affecting wheat growth, particularly in areas without irrigation facilities.

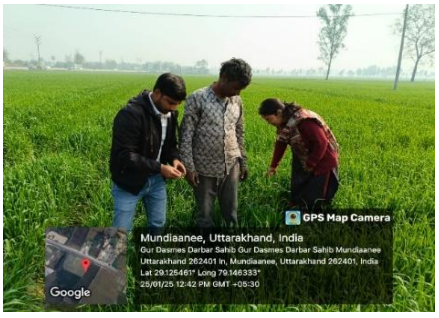
Uttar Pradesh

Wheat and Barley crop grown in Kanpur area in general are in good condition. However, up to 10% Termite infestation was observed in some barley fields which were planted under rainfed condition. The Aphid infestation was observed 01-02 aphid/plants in both irrigated and rainfed crop of barley while, infestation of aphid was not observed in wheat crop. Right now, no any disease was appeared in field condition.

Uttarakhand

Tarai and Plains of Uttarakhand were extensively surveyed for wheat rust by Dr. Deepshikha, SRO, Plant Pathologyon 25thJanuray 2025 in different wheat growing areas of district Udham Singh Nagar i.e.Dineshpur, Netanagar, Kalinagar,Rudurpur, Daanpur, Amarpur, Gopalagar, Gadarpur, Motiyapura, Husainpur, Kelakhera, Ganeshpur, Mundiaanee, Bazpur, Tandamehmood, Dhodhupura, Shokanagar, Sultanpurpatti and Kashipur. The timely sown crop is in tillering stage whereas the late sown crop is in seedling stage. The crop health was excellent and was found free from yellow rust, other major diseases and pest at all the locations. During the interaction the farmers were provided





with the information related to the identification and management of yellow rust of wheat and they were advised to keep vigil on the disease appearance.

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Madhya Pradesh

Between January 24th and 29th, 2025, Dr. K. K. Mishra, a Plant Pathologist from Powarkheda, Narmadapuram Centre, conducted a survey and surveillance in the Narmadapuram District. The survey covered Shivoni Malwa, Keshla, Makhan Nagar, Sohagpur, and Pipariya Tehsils. The crops in this area, ranging from 50 to 70 days old, were found to be in very good condition, with no insect infestations observed. In Sohagpur, some patches of crop yellowing were noted, particularly in fields where rice was the preceding crop. This was attributed to Rhizoctonia root rot. However, the affected plants have since shown signs of recovery, with only slight pale appearances and fewer tillers in the impacted patches. Overall, the crop condition across the district was excellent. The varieties under cultivation included Shiram 303, DBW 303, GW 322, MP1323, HI 1650, HI 1605, DBW 187, HI 1544, and HI 8759. In the adjoining district of Harda, the crop was between 70 to 80 days old. Dr. Mishra surveyed around 25 villages across Timarni and Khirkiya Tehsils, where the crop was also in very good condition, mostly in the anthesis to milking stage. In the village of Deep Gaon, located in Khategaon Tehsil of Dewas district, an incidence of brown rust was observed only on tall mixture plants, and leaf samples were sent to Shimla for further analysis. The main varieties under cultivation were HI 1544, HI 1650, GW 322, and Shiram 303.

Rajasthan

The survey was conducted on 13th January, 2025 in the areas of district Jaipur and Dausa districts by Dr P.S. Shekhawat, Senior Wheat Pathologist and Sh. Lal . Singh (Ag. Supervisor) to know the health status of wheat and barley crops on farmer's field. None of the rust was observed in surveyed areas. The mild infestation of Termite and CCN was noted in some fields of wheat crop. In barley crop, the incidence of leaf stripe, loose

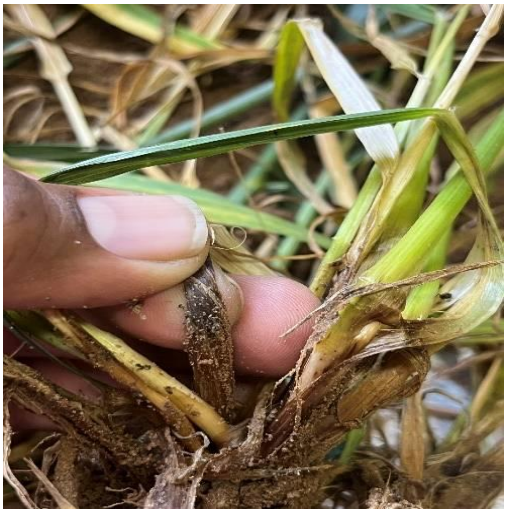
smut and covered smut diseases *in traces* was noted at village Tunga, Lalawas and Nagal. Overall both wheat and barley crops were healthy in the area.

Survey was also conducted in the different cultivator's fields of eight districts of Rajasthan for studying the incidence and intensity of Cereal Cyst Nematode (CCN). Diseased fields were randomly selected on the basis of above ground symptoms of the crops. Symptoms of stunting, yellowing, patchy and poor growth were recorded during survey of each field. Roots samples were collected from the rhizosphere of wheat and barley crops looking above ground symptoms along with composite soil sample. Root & soil sample were processed with standard technique of nematode identification (Cobb's Sieving and Decanting Method). Presence of cereal cyst nematode was further confirmed by seeing the bushy roots with white cyst on it.

Dr Hemraj Gujar and team visited Cereal cyst nematode infestation was recorded in all eight districts i.e. Jaipur, Tonk, Ajmer, Dausa, Sikar, Sawai Madhopur, Kotputli and Alwar districts. A large number of infested fields were observed in Lalsot, Dungarpur, Alwar, Viratnagar, Shivdaspura, Chaksu, Bassi, Jhajda areas are heavily infested by Cereal Cyst Nematode.

Gujarat

Dr. R. V. Thakkar Asstt. Res. Sci.(Pl. Path) and Dr. A. M. Patel, Research Scientist (Wheat) visited Talod from Sabarkantha district on 27thJan, 2025.In this area most of the farmer sown wheat between 10-20th December due previous crop standing. Overall crop conditions are good. There are no symptoms of any pest and diseases are observed at this stage. In some farmers field infestation of root aphid was observed. Rust is also not observed during survey.

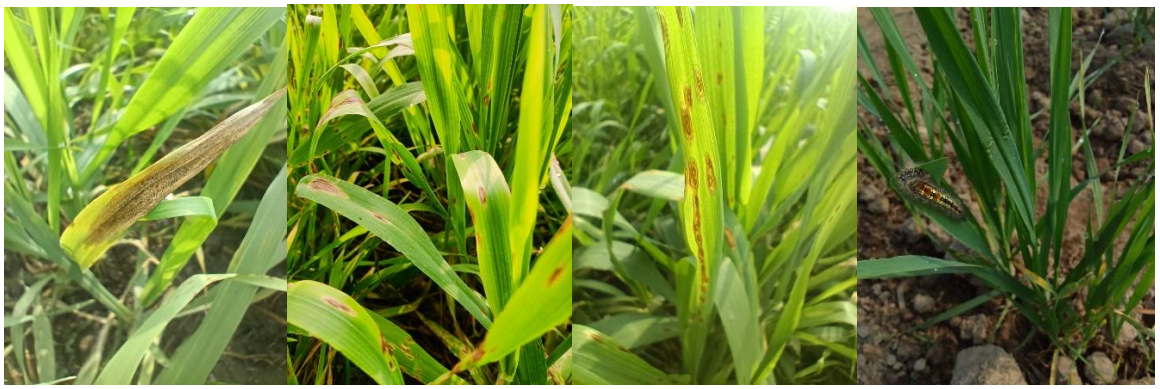


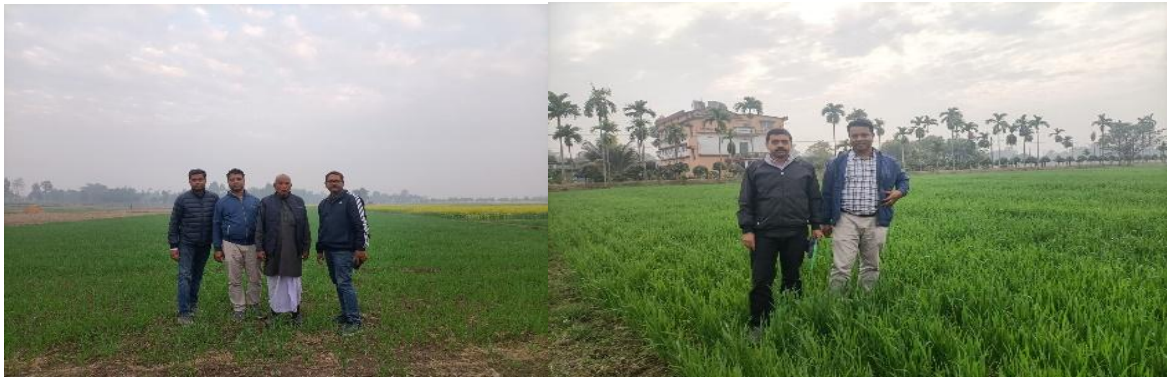
Dr. I. B. Kapadiya, Assistant Research Scientist (Pl. Path), JAU, Junagadh survey was carried out during 29thJanuary, 2025 in the area of Junagadh district. Crop condition is overall good. In this area most of the wheat sown in the second week of November. There were no major symptoms of any diseases and pests in this area. In some areas yellowing of wheat noticed and this area free from both the rust leaf and stem, respectively.

Bihar: No report received

West Bengal

A survey was conducted by Dr Satyajit Asst. Scientist (Plant Pathology) and his team from UBKV, Pundibari, Coochbehar in the 3rd and 5th weeks of January 2025 in the farmers' fields of different northern districts of West Bengal and their adjoining areas, viz. Uttar Dinajpur (different area of Islampur sub-division), Darjeeling (Kharbari block), Jalpaiguri (Mahitnagar adjoining area), and Coochbehar district (Dinhata, Mathabhanga, and Pundibari block) by a team comprised of Dr. Satyajit Hembram (pathologist), Dr.Saikat Das (plant breeder), and Dr. Wasim Reza (entomologist) of AICW&BIP, Cooch Behar centre, West Bengal, to understand the disease and insect pest scenario at the present crop growth stage of wheat. The majority of the farmers grew the cultivars DBW 187, HD2967, PBW343, and some local cultivars in those areas. The crop was grown under irrigated conditions that were at the seedling to tillering stage. The sowing period varied from the first fortnight of November to the second fortnight of December 2024. The surveyed farmers' fields showed no incidence of diseases or insect pests during the month of January 2025. The overall condition of the crop was excellent and satisfactory. Incidence of leaf blight was observed in trace in the wheat experimental field of RRS, Manikchak, RRSs, Kharibari and Pundibari, Coochbehar. The spot blotch incidence was recorded at up to 45 in barley germplasm at Pundibari, Coochbehar, whereas pest infestation was recorded in some areas of Kharibari Block and Islampur Subdivision. There was no rust and wheat blast incidence in the entire surveyed districts.

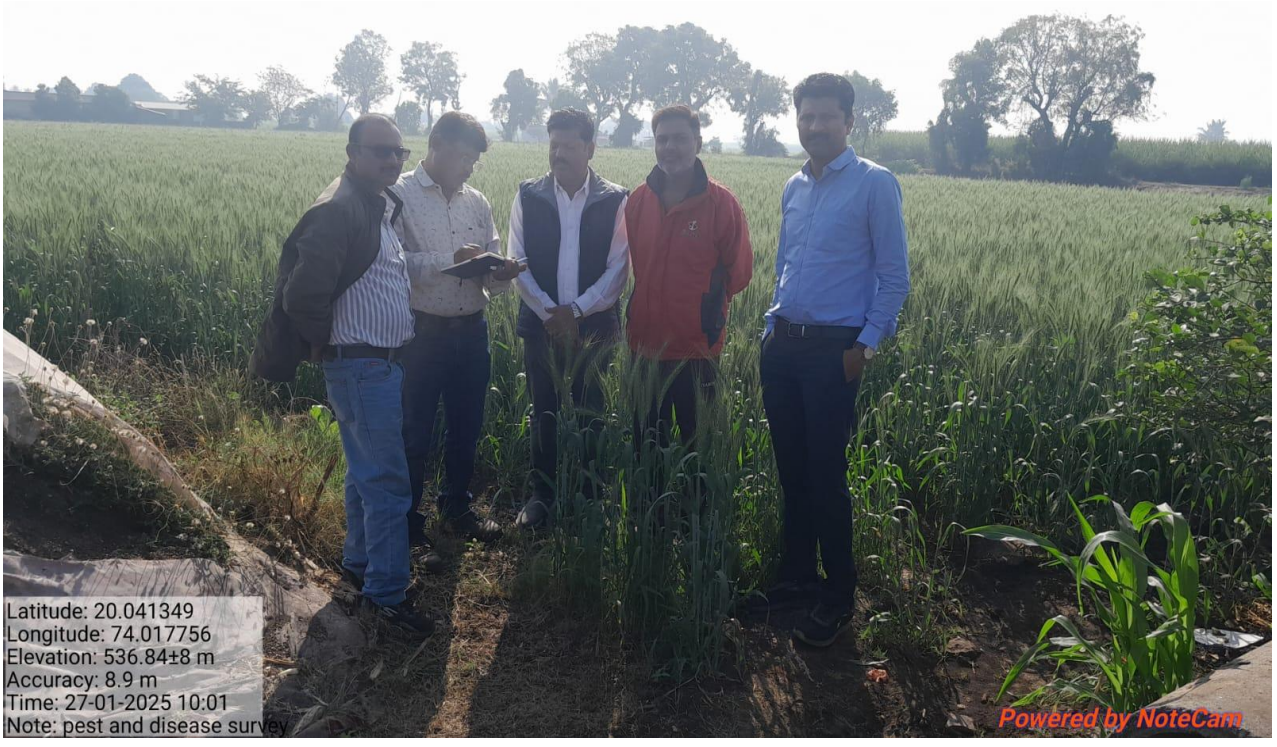




Maharashtra

During the month, climatic conditions were favorable for the growth of the wheat crop, with maximum temperatures ranging from 25 to 32°C and minimum temperatures between 7 and 15°C, averaging around 11°C. There were no unusual rains or hailstorms during this period.

Roving survey was conducted by Mr. B. M. Mhaske, Dr. N. M. Magar, and Dr. B. D. Malunjkar to monitor the crop health status on 27th January in the Niphad, Igatpuri, Akole, Sangamner, and Rahuri tahsils of Nashik and Ahilyanagar districts. The villages covered under the survey included Chandori and Chitegaon Fata in Niphad tahsil; Ghoti, Wadivarhe, and Pimpalgaon (Mor) in Igatpuri tahsil; Jahagirdarwadi (Bari), Rajur, and Sugaon in Akole tahsil; Rahuri Factory in Rahuri tahsil; and Konchi, Manchi, Gogalgaon, and Lohare in Sangamner tahsil. The major wheat varieties grown in these areas included Phule Anurag, Ajeet 102, GW 496 etc. The survey observations indicated that leaf rust was present in most areas, with some incidence recorded on off-types and a private variety, though only in traces. The varieties in these plots were at the soft dough stage. Leaf blight infestation was noticed in some plots but remained very low. Aphid infestation ranged from medium to low, while stem borer infestation was found minimum and suitable control measures were recommended. Shoot fly infestation was observed in some late-sown plots at the CRI stage, with an incidence



ranging from 1 to 2%. Due to high temperatures, early flowering was noted in some varieties, particularly in early-sown crops. Overall, the condition of both timely and late-sown crops was found to be good in the surveyed areas. Additionally, the Wheat Disease Monitoring Nursery at Pimpalgaon Baswant remained free from both leaf and stem rust.

Dr. Sudhir Navathe and team visited The farmer's fields in the Pune and Satara districts near

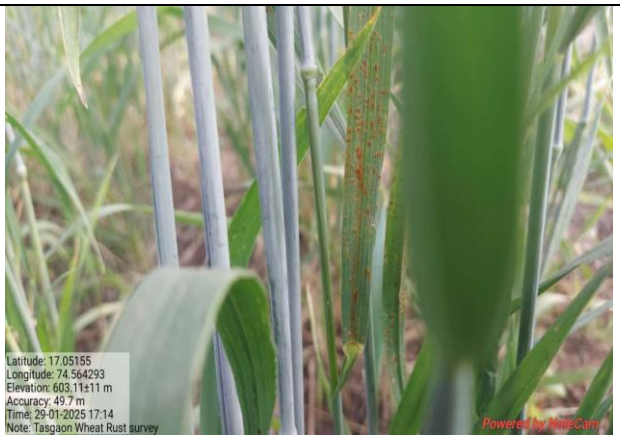
Experimental and Research Farm, Agharkar Research Institute, Hol, and Baramati were visited in the 2nd and 4th week of January 2025. Infestation of leaf aphids, spot blotch (severity 35-47 on DD scale), leaf rust (severity 5ms to 20S) and Fusarium head blight have been observed on-off types and varieties from private companies. Farmers reported growing varieties of private companies like Kedar, Green Gold, Shriram 303, and Shriram 111. The stem rust is not yet observed in farmers' fields.

Few farmers were advised to take preventive and curative measures using recommended fungicides and insecticides. Over 30 samples of leaf rust are posted to the rust lab- IIWBR-RS, Shimla for race analysis.

Normal sown wheat crop was in tillering to heading stage where as, late sown wheat crop was in seedling stage. Incidence of leaf observed in farmers field upto 5S to 10S at Tasgaon Tahsil of Sangli district whereas, stem rust was not observed. The survey of wheat crop was conducted in the month of January 2025 by Dr. M. A. Sushir, Junior Wheat Pathologist, Dr. V. M. Sali, Junior Plant Pathologist, and Dr. D. S. Kadam Asstt. Prof. RWRRS, Mahabaleshwar.

Table 3: showing survey report of wheat in Mahabaleshwar and adjoining area with crop growth situation

Date of Survey	Name of Village	Crop Stage	Disease Symptoms	Pest infestation
16/01/2025	Ahilyanagar and Chh. Sambhajinagar districts	Tillering stage to heading stage	Yellowing symptoms observed due to nutritional deficiency in some pockets.	Aphids infestation 5 to 10 %
29/01/2025	Tasgaon Tahsil of Sangli district	Tillering stage to heading stage	Leaf rust was observed in farmers field up to 5S to 10S	Shoot fly infestation 2-5 %



Karnataka

The team of scientists from Dharwad center Dr. Gurudatt Hegde, Dr. Kumar Lamani, Dr. Suma Biradar, Dr. Uday Reddy, Mr. Sudhakar Kulkarni and Dr. Boranayak conducted the survey during January, 2025. During this period the lowest temperature was 160C and the highest was 330C.

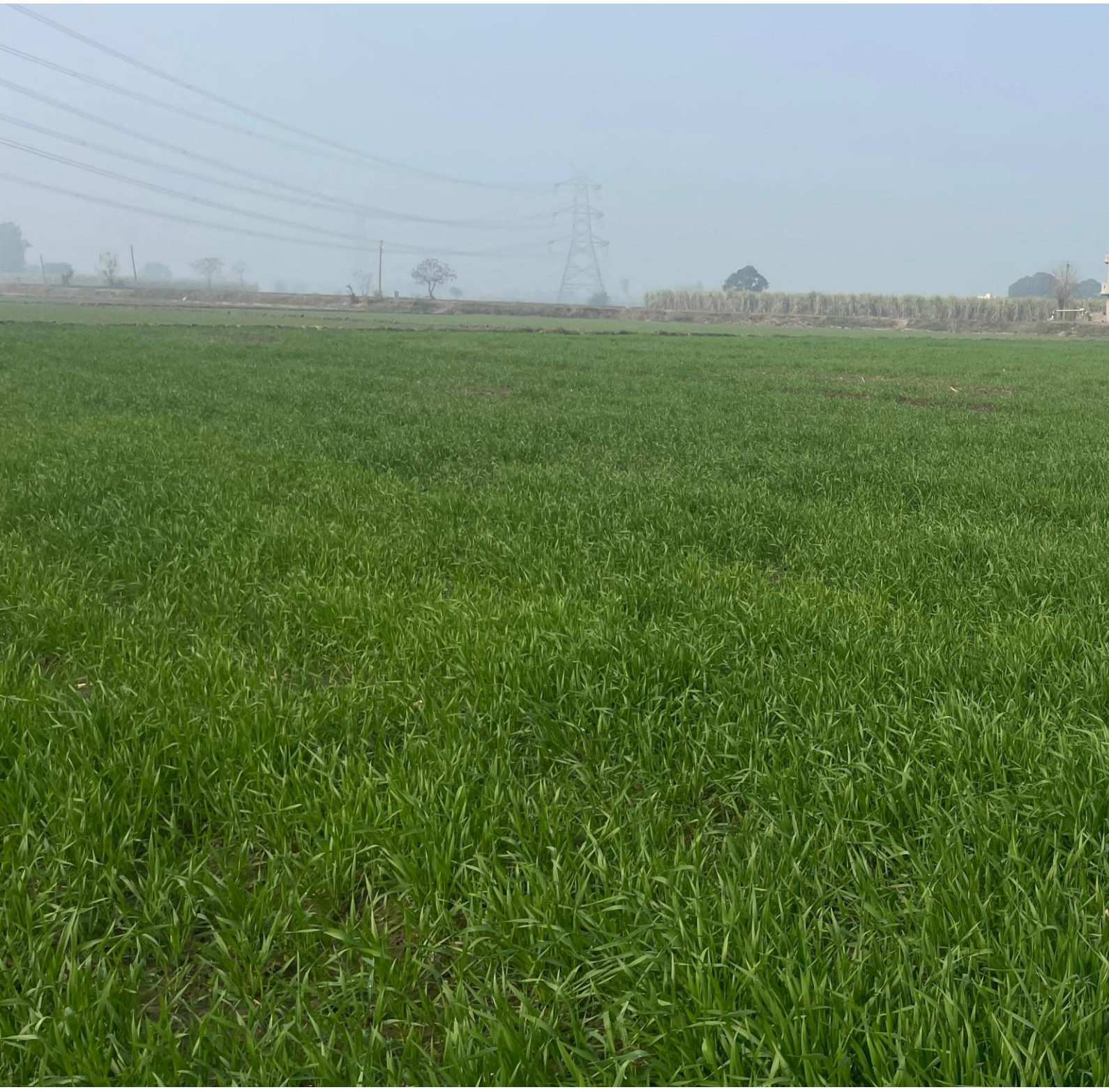
Totally 6 surveys were conducted for disease and pest monitoring of wheat. The survey was conducted in Dharwad, Bagalkote, Belgaum districts covering 12 talukas. The crop was at flowering stage under rainfed, restricted irrigation and irrigations conditions. The leaf rust incidence ranged from 0-80S. The highest leaf rust incidence was seen in Ajjanakatti village of Gokak taluka on bread wheat, as the crop was sown very early. The leaf blight (spot blotch) incidence was in the range of 00-24. The foot rot incidence was in the range of 2-5% while, the Fusarium Head Blight (FHB) was in the range of 2-25%. Highest FHB was recorded in Belagali village of Mudhol taluka (20-25%). The insects like Aphids, stem borer and leaf folders were recorded to an extent of 1-3%. The forecast of management of various biotic and a biotic stresses was disseminated through magazines and radio. The farmers were educated for clear-cut symptoms of diseases and pests and were advised suitable recommended practices for management.

Table 4:Survey report from Dharwad center Table showing Survey report from Dharwad center

S. No.	Date of Survey	Village	Lat (N)	Long (E)	Conditions	Stage	Variety	SR	LR	LB	Foot rot	FHB	Insects
1	04.01.2025	Hebball Dharwad	15.465827	75.123196	RI	Flowering	DW-Amruth	0	0	01	2%		Stem borer-2%
3	04.01.2025	Heebsur, Dharwad	15.45036	75.29439	RI	Flowering	BW	0	10 MR	01			Leaf folder-1%
4	04.01.2025	Arekurahatti, Dharwad	15.51251	75.31221	RI	Flowering	BW	0	0	00			
5	04.01.2025	Navalgund, Dharwad	15.52718	75.36737	RF	Flowering	DW-Amruth	0	10 MR	01	2%		
6	04.01.2025	Koliwad, Dharwad	15.42154	75.42883	RF	Flowering	DW-Amruth	0	0	01	2-3%		
7	06.01.2025	Marewad, Dharwad	15.52184	75.04784	IR	Flowering	BW	0	0	24			
8	06.01.2025	Harobelawa, Dharwad i	15.60666	75.06652	RI	Flowering	DW	0	0	12	2%		
9	06.01.2025	Hooli, Belgaum	15.79638	75.20065	IR	Tillering	BW	0	0	01			
10	06.01.2025	Shirasangi, Belgaum	15.85495	75.25172	IR	Flowering	UAS 304	0	0	01			Leaf folder-2%
11	06.01.2025	Mudenur, Belgaum	16.00337	75.34831	IR	Flowering	Kirti	0	0	01			leaf folder-1%
12	06.01.2025	Hebbal, Bagalkote	16.2062	75.35437	IR	Flowering	DWR 162	0	0	01			Stem borer-1%
13	06.01.2025	ARS, Mudhol Bagalkote	16.34197	75.26887	IR	Tillering	Trial	0	0	00			
14	06.01.2025	Belagali Bagalkote	16.37702	75.17862	IR	Flowering	BW	0	0	24		15-20%	
15	06.01.2025	ARS, Kalloli Belgaum	16.27526	74.88124	IR	Flowering	Trial	0	0	01			
16	06.01.2025	Chikkodi, Belgaum	16.40792	74.58397	IR	Flowering	BW	0	0	00			Aphids 2%
17	08.01.2025	Yerikoppa, Dharwad	15.39791	75.00241	IR	Flowering	BW	0	0	01			
18	09.01.2025	Garag, Dharwad			IR	Flowering	DW	0	0	01		15-20%	
19	09.01.2025	Tadakod, Dharwad			IR	Flowering	BW	0	0	12		5%	
20	09.01.2025	Anagol, Belgaum			IR	Flowering	BW	0	0	12			

S. No.	Date of Survey	Village	Lat (N)	Long (E)	Conditions	Stage	Variety	SR	LR	LB	Foot rot	FHB	Insects
21	18.01.2025	Hireulligeri Belgaum	15.6765	75.09194	RF	Flowering	DW	0	0	12			
22	18.01.2025	Neeralkeri Belgam	16.03591	75.35534	RI	Flowering	DW	0	0	01			
23	18.01.2025	ARS, Mudhol Bagalkote			IR	Flowering	Trial	0	0	01			
24	18.01.2025	ARS, Kalloli Belgaum	16.26482	74.87319	IR	Flowering	Trial	0	0	01			
25	18.01.2025	Ajjanakatti Belgaum	16.10244	74.92047	IR	Dough	BW	0	80S	24		20-25%	
26	18.01.2025	Madamgeri Belgaum	16.02741	74.99004	IR	Flowering	BW	0	60S	12		5%	
27	18.01.2025	Benakatti Belgaum	15.90032	75.07592	IR	Flowering	BW	0	0	01		10%	
28	19.01.2025	ARS, Hukkeri Belgaum	16.2204	74.59926	IR	Flowering	DWR 162	0	10MR	01			
29	19.01.2025	Rupinal Belgaum	16.51712	74.65236	IR	Flowering	BW	0	10MS	01			
30	28.01.2025	Govankoppa Dharwad	15.46409	75.06167	IR	Flowering	DW	0	0	00			
31	28.01.2025	Shivalli Dharwad	15.466452	75.13299	RF	Flowering	BW	0	0	01			Stem borer:2-3%
32	28.01.2025	Byahatti Dharwad	15.448199	75.204329	IR	Flowering	BW	0	40S	12			
33	28.01.2025	Hebsur Dharwad	15.453948	75.279682	IR	Flowering	BW	0	20S	12		0-15%	
34	28.01.2025	Hebsur Dharwad	15.454031	75.295051	IR	Flowering	BW	0	10S	12		2%	
35	28.01.2025	Sotakanal Dharwad	15.6299	75.40284	IR	Flowering	DWR 162	0	10S	01			
36	28.01.2025	Datanal Dharwad	15.633977	75.28709	IR	Flowering	DW	0	0	00			
37	28.01.2025	Gudisagar Dharwad			IR	Flowering	BW	0	10MS	01			
38	28.01.2025	Arekurahatti Dharwa			IR	Flowering	UAS 304	0	30S	12			

BW-Bread wheat: DW: Durum wheat: RF-Rainfed: IR: Irrigated: RI: restricted irrigation



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