



Phone: 0129-2476370



F.No 3-6/2019-20/IPM-Advisory

भारत सरकार/ Government of India

कृषि एवं किसान कल्याण मंत्रालय / Ministry of Agriculture & Farmers Welfare

कृषि, एवं किसान कल्याणविभाग / Department of Agriculture & Farmers Welfare

वनस्पति संरक्षण, संगरोध एवं संग्रह निदेशालय / Directorate of Plant Protection, Quarantine & Storage

एन एच 4, फरीदाबाद(हरियाणा) – 121 001/NH-IV, Faridabad (Haryana) – 121 001

Dated: 09.03.2022

To

1. The Director of Agriculture,
Government of Haryana,
Directorate of Agriculture,
Krishi Bhawan, Sector-21,
Panckula (Haryana)-134112

3. The Director of Agriculture,
Directorate of Agriculture,
Government of Uttar Pradesh,
Madan Mohan Malviya Marg,
Krishi Bhawan,
Lucknow (UP)-226001

5. The Director of Agriculture
Directorate of Agriculture
Krishi Bhawan,
Nanda-Ki-Chowki,
Premnagar, Dehradun-248007,
Uttarakhand.

7. Director of Agriculture
Department of Agriculture
Pant Krishi Bhawan,
Janpah, C-Scheme
Jaipur-302005, Rajasthan

2. The Director of Agriculture,
Government of Punjab,
Department of Agriculture
Kheti Bhawan,
Institutional Site No.204
Phase 6, Mohali, Punjab

4. The Director of Agriculture,
Directorate of Agriculture,
Krishi Bhawan,
Boileauganj Shimla-171005,
Himachal Pradesh

6. The Director of Agriculture
Directorate of Agriculture,
Agriculture Department,
Gole Pully, TalabTiHo,
Jammu 180002

Sub:-Advisory on yellow rust of wheat (*Puccinia striiformis* f.sp.*tritici*) to major wheat growing areas-reg.

Sir,

I have the honor to bring to your kind notice that incidence of Yellow Rust has been reported in Wheat growing area of Haryana. Extensive survey was carried on major Wheat growing

districts i.e. Karnal, Kurukshetra, Yamunanagar by the team of RCIPMC, Faridabad in collaboration with state agriculture department on 25.02.2022 & 26.02.2022 to assess the status of Yellow rust in the wheat growing areas. **Survey team has observed the incidence of Yellow rust in trace to high intensity in Nalvi khurd, kunda kala, and khirajpur villages of Karnal; in traces in Jandhera village of Ladwa (Kurukshetra) and Chhachhrauli block of Yamunanagar district.**

Yellow rust or Stripe rust is a disease of Wheat caused by a fungal pathogen, *Puccinia striiformis*. The disease appears in the form of yellow stripes on wheat leaves. This disease appears if cold temperature with intermittent rains coincides. The disease mainly appears in the wheat growing areas of Punjab, Haryana, Jammu and Kashmir and tarai regions of UP and Uttrakhand.

The first sign of stripe rust is the appearance of yellow streaks (pre-pustules), followed by small, bright yellow, and elongated uredial pustules arranged in conspicuous rows on the leaves, leaf sheaths, glumes and awns.

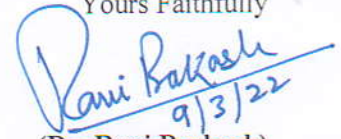
In order to contain this disease from becoming an epidemic the following practices of IPM strategies may be followed for the management of Yellow Rust in wheat crop:

1. Collect and destroy infested crop debris
2. Avoid water logging in the field.
3. Use fertilizers judiciously, farmers may be advised to avoid excess application of Nitrogen fertilizers.
4. Maintain field sanitation
5. Farmers should be encouraged for adoption of cultivation of rust resistant varieties.
6. Regular training programme for the extension workers, pesticide dealers and farmers should be organized by the SAUs/ICAR Institutes/CIPMCs/KVKs for up-gradation of their knowledge and skill regarding identification of disease symptoms, anticipate environmental conditions conducive for disease development and management practices for yellow rust disease.
7. Fungicides must be used as per label claim approved by the Central Insecticides Board and Registration Committee. Detailed information is available at <http://cibrc.nic.in/mup.htm>. However, list of recommended fungicides for yellow rust is attached herewith as (Annexure-I)
8. IPM package of practices for Wheat need to be adopted. This may be downloaded from web-link <http://ppqs.gov.in/ipm-packages/cereals> or <http://ppqs.gov.in/sites/default/files/wheat.pdf>
9. Leaflet on Rust of Wheat is prepared by DPPQS and uploaded on website and this can be downloaded from web-link http://ppqs.gov.in/sites/default/files/wheat_rust-english.pdf.
10. Special care must be taken by state functionaries while doing survey for carrying rust infected leave sample from field to other places because it may act as source of inoculums for other field. If required infected leave sample must be carried in plastic bag/closed container and such sample should be destroyed after analysis. Also precautions should be taken while doing survey that rust

spores should not be adhered to clothes before moving to other fields.

In view of the above, it is advised that wheat growing areas to be monitored on regular basis and if any incidence of yellow rust is reported by the farmers, extension functionaries and even through the newspapers or through any other sources, survey of the affected area may be conducted immediately and the concerned officials at the Division/District/Block may be advised to take the suitable plant protection measures immediately. The detailed information may also be sent to this Directorate through e-mail: appa.ipm-ppqs@gov.in urgently to apprise the same to the Department of Agriculture, Cooperation & Farmers Welfare.

Yours Faithfully


9/3/22

(Dr. Ravi Prakash)

Plant Protection Adviser

Enclosure:-Annexure -I (CIB & RC Approved pesticides)

Annexure-I

Approved registered Pesticides for Yellow Rust of Wheat

Crop	Common name of the disease	Dosage per ha			Waiting period from application to last harvest (in days)
		a.i. (g)	Formulation (g/ml)%	Dilution water (L)	
Propiconazole 25% EC					
Wheat	Stripe rust or yellow rust	125 gm	500gm	750	30
Azoxystrobin 11% + Tebuconazole 18.3% w/w SC					
Wheat	Stripe rust or yellow rust	82.5+137.25	750	500	--
Picoxystrobin 7.05% + Propiconazole 11.7% SC					
Wheat	Stripe rust or yellow rust	200	1000	500	52
Pyraclostrobin 133 g/l + Epoxiconazole 50g/l SE					
Wheat	Stripe rust or yellow rust	137.25	750	500	47
Tebuconazole 50% + Trifloxystrobin 25% WG					
Wheat	Stripe rust or yellow rust	150+75	300	300-500	40