

BROWN OR LEAF RUST OF WHEAT

Causal organism: *Puccinia triticina*

Order: Uredinales

Family: Pucciniaceae

It appears after the yellow rust in February. The uredia are, as a rule, confined to the leaves, being less common on the leaf sheaths and stems. They are round to slightly oblong, orange on colour and irregularly scattered or in clusters on the leaf blades.

There are three to four germ pores on the urediospores wall and they are scattered all over the surface.

Telia are formed only rarely and in some years they may not be present at all. They are small oval to linear, black and covered by the epidermis. The Teleutospores are oblong to cruciform, slightly constricted at the septum, and the apex is rounded with prominent thickening. The alternate host of brown rust is *Thalictrum flavum*.

Control:

1. Resistant varieties.
2. Destruction of alternate host.

FSD 08.....

SHAFaq 06....

WATAN.....

SAHAR 06

Ghazi-19

Markz-2019

