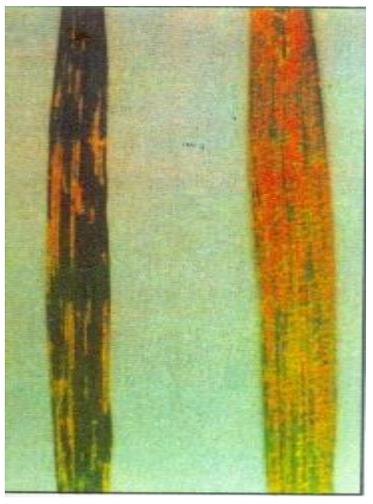


Yellow or stripe rust in Wheat (Puccinia striiformis)

<p><u>Yellow Rust:-</u></p> 	<p>The outburst of yellow rust in Distts of Kathua, Samba and Jammu on variety PBW 343 in the preceding season (2008-09) was serious. This disease survives on volunteer Wheat plants in the hills during the off season. The rust produce yellow pustules in stripes on the leaf when the season advances these stripes become black. The rust become severe by the end of February or Ist week of March, the affected leaves dry up, the grain shrivel and the yield is very low.</p>
<p><u>Favourable conditions:-</u></p>	<p>Cloudy weather, high humidity during Feb. and March.</p>
<p><u>Extent of damage:-</u></p>	<p>Extent of damage range from 20-40%</p>
<p><u>Recommendations</u></p>	<ul style="list-style-type: none">❖ Use resistant varieties and adopt timely sowing❖ Rust resistant varieties like DBW 17 and PBW 550 are recommended for Jammu Samba & Kathua region of J&K state.❖ The Sowing of Wheat should be done after treating the seed with bioagent Trichoderma viride @ 4.0 g/kg seed + fungicide Tebuconazole 2DS (Rexil) @ 0.1 gm/Kg of wheat seed or Carboxin 75 WP (Vitavax 75 WP) @ 1.25 g/Kg seed.❖ In case of appearance of yellow rust on the crop, spray of Propiconazole 25 EC (Tilt 25 EC) @ 0.1% is recommended to check its further spread. This treatment also provide protection against powdery mildew and Karnal bunt disease , besides rust.❖ Spray the crop with bayleton 200 @ 0.1% mancozeb @ 0.25% or triadimefon @ 0.01%. Ist spray is to be given at the initiation of disease and

repeat spraying after 10-14 days interval.

- ❖ One Spray of propiconazole 25EC @ 0.1 per cent be given on appearance of the disease. This spray should be given on seeing the initiation of the disease in the field or at the appropriate time somewhere in early February