



Leaf Blotch
FUNGUS – *Septoria tritici*

- Rain splash spread
- Look for black fungal fruiting bodies



Powdery Mildew
FUNGUS - *Blumeria graminis*

- White fluffy patches on leaves and stems
- Become brown and the leaves die



Take all
FUNGUS - *Gaeumannomyces graminis*

- Stunted plants that may produce white ears with no grain inside
- Short black roots
- Patchy and sometimes only areas of field affected



Brown Rust
FUNGUS - *Puccinia recondita*

- Dusty orange/ brown pustules
- Severe infection will reduce yield especially when on the final leaves



Loose Smut
FUNGUS - *Ustilago nuda*

- Loose smut use clean seed or a carboxin based seed dressing.
 - Fusarium; fungicidal sprays can be used if the symptoms are seen early after ear emergence.
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Ergot
FUNGUS – *Claviceps purpurea*

- Black banana shaped bodies growing from the ears of wheat and barley.
- Not to be eaten- very poisonous

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Aphids
INSECT- *Rhopalosiphum padi* +others

- On the leaves and ears can be an issue.
- Spread viruses.



Barley Yellow dwarf virus
VIRUS

- Aphid spread.
- Often confused with mineral deficiencies
- Usually seen in small circular patches much more damaging if infected as a seedling