

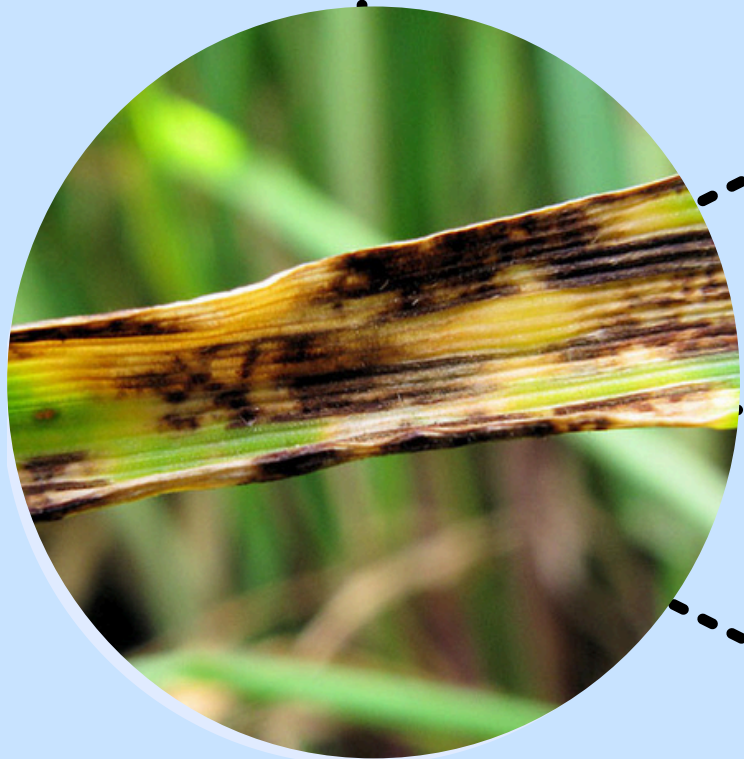
# INFECTION TO PROTECTION

## NET FORM NET BLOTCH



Produced by Molly Edmondson  
Hart research intern, 2026

### What is it?



Net form net blotch (NFNB) of barley is caused by *Pyrenophora teres f. teres*





NFNB has increased across Australia in the last decade due to the intensification of barley production

It can be a stubble or seed-borne disease, with infected stubbles being the main cause of infection





Typically favoured by susceptible hosts, early sowing, mild weather (15-25°C) and periods of leaf wetness

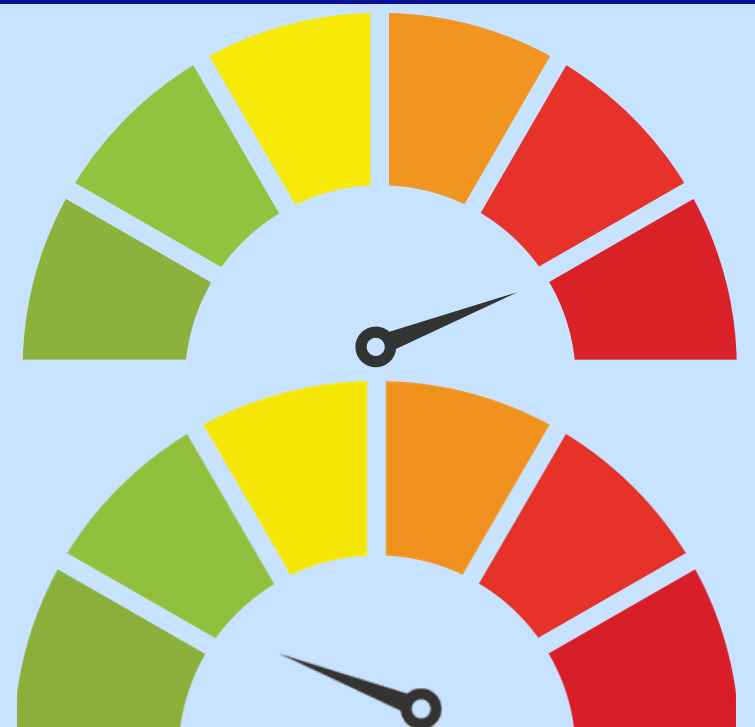
Potential to cause major yield losses and damage to grain quality

### Risk factors

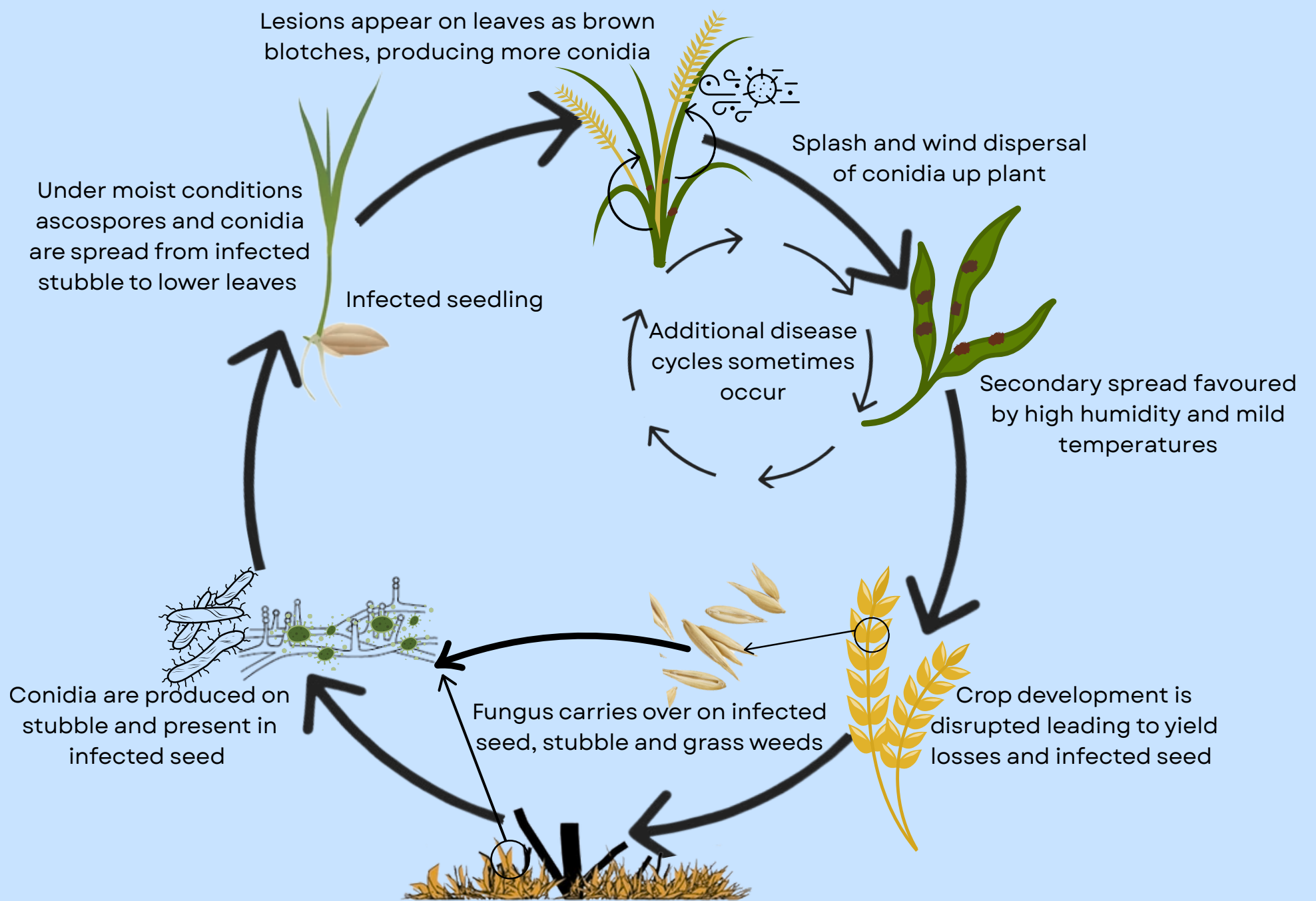
-  Susceptible barley varieties
-  Mild temperatures (15-25°C)
-  Continuous barley cropping
-  Infected stubble



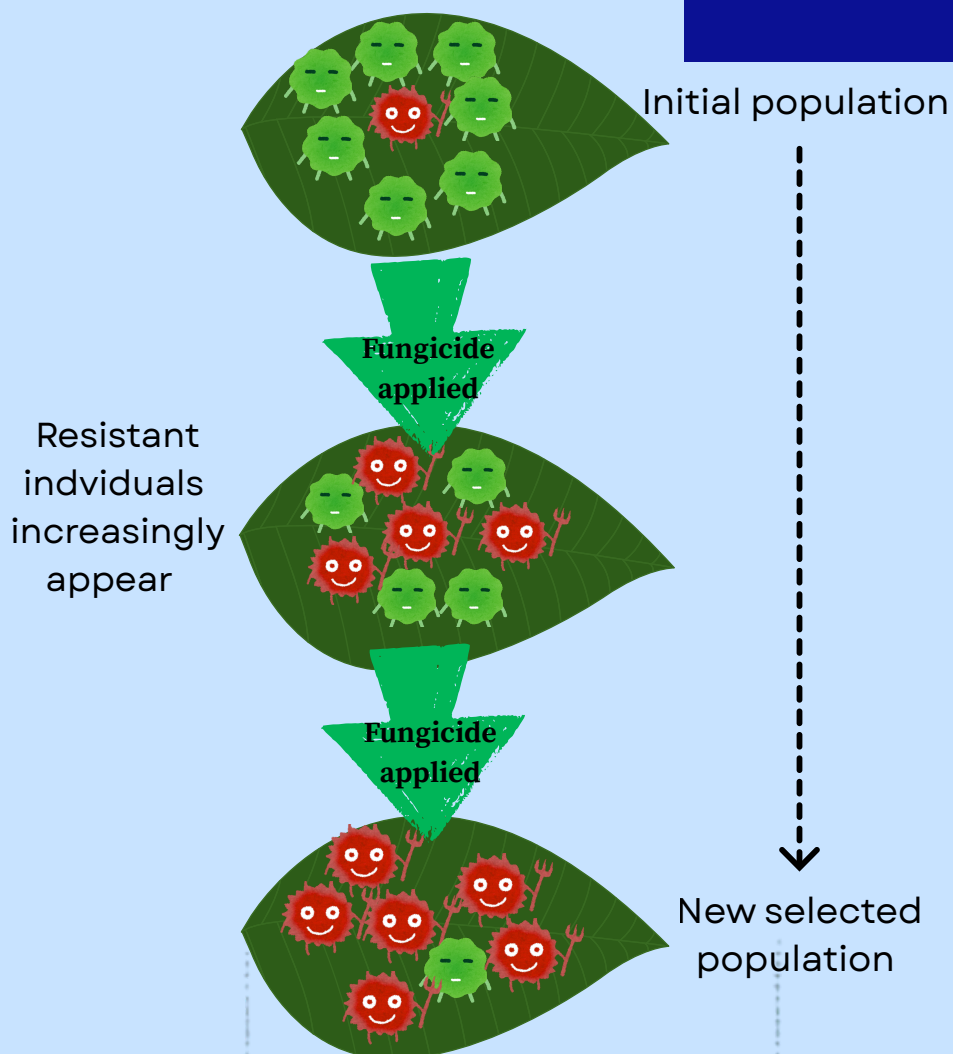
-  Resistant barley varieties
-  Diverse crop rotation
-  Later sowing
-  Stubble management



# Disease cycle



# Fungicide resistance



**Resistance management is key**, the pathogen rapidly develops fungicide resistance

Fungicide resistance is an **evolutionary process** which builds up through the survival and spread of resistant fungi

The biggest driver of fungicide resistance is repeated use of fungicides with the **same mode of action (MoA)**



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