



YOUR BEST ASSISTANT
TO CONTROL PLANT DISEASE



Meteobot® helps you control plant diseases through the integration with disease models for wheat and barley. The models are dynamic. They take into account the current climatic conditions, as well as the available pathogens, accumulated as a result of previous infection events. Beside rain, temperature, air humidity, leaf wetness, etc., the phenological stages of plant development and the tolerance to diseases of different crop varieties are also taken into consideration. The models have been validated for Europe, Asia, North and South America through many years of field trials.



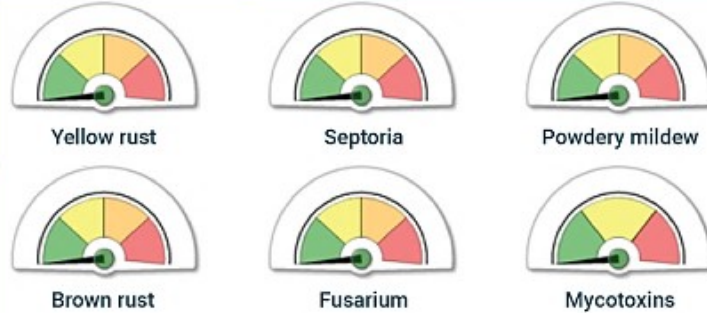
The benefits of using disease models are:

- Spray only if and when necessary instead of "calendar sprays"
- Choose the most adequate product
- Prevent the development of plant resistance
- Integrated plant protection
- Bio-production
- Wide use of contact instead of expensive curative products

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Disease model for wheat

To help grain growers, Meteobot® has an integration with models for soft and durum wheat. The risk level is displayed on a dashboard using the “traffic lights” principle – green means that there is no risk and red means that the risk is very high.



The main advantages of model are:

- Enough time for reaction – you get a risk forecast before you can see any visible symptoms in the field
- The risk is calculated taking into consideration the crop variety, previous crop on the field, phenological (plant development) phase, seeding density, fertilizer amount, etc.
- Built-in plant growth model, which helps you plan fertilizing and spraying
- Built-in database with plant protection products
- “Spraying windows” based on a local weather forecast

Disease model for barley

The model provides a risk forecast for the following barley diseases:

- Powdery mildew
- Net blotch
- Fusarium head blight
- Leaf blotch
- Brown leaf rust
- Mycotoxins in grain

The model also contains recommendations for nitrogen application. They are especially important for brewing barley, where the protein content should be within certain limits.



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