

EUROWHEAT – SUPPORTING IPM IN WHEAT, INCLUDING INFORMATION ON FUSARIUM HEAD BLIGHT



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Winter wheat is the most important cereal crop in Europe, and wheat diseases including Fusarium Head Blight (FHB) are commonly seen to have a major impact on yields, quality of grain and fungicide requirements. EuroWheat aims at collating data and information on wheat disease management from several countries and aims at analysing and displaying this information in a European context. The information is targeted to support local advisers, breeders and other partners dealing with disease management in wheat. The platform aims to support IPM (Integrated Plant protection Management) in a broad sense. The platform is open to all users (www.eurowheat.org). EuroWheat is developed and supported by ENDURE, the European Network for the Durable Exploitation of Crop Protection Strategies, financed by the EU's 6th Framework Programme.

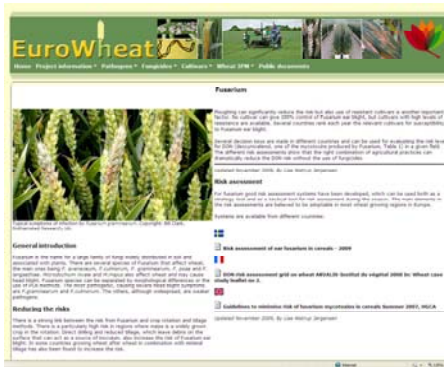


Figure 1. General information about Fusarium Head Blight.



Figure 2. Information about the impact of cultural factors on Fusarium Head Blight.



Figure 3. Information about the ranking of cultivar resistance to Fusarium Head Blight.



EuroWheat contains information on Fusarium Head Blight (FHB) on the following subjects:

- Cultivar resistance to FHB, including ranking of cultivars in 3 categories by 7 countries.
- Cultural measures that can minimise the risk of developing FHB and toxin in grain are described, including specific national risk schemes handling FHB.
- Descriptions of different Fusarium species and their toxin production.
- Resistance genes involved in restricting FHB in cultivars are described briefly.
- Links to several national brochures on FHB risk.
- Links to decision support systems (DSS) including systems dealing with FHB.
- Fungicide efficacy: Overview of authorised products for control of FHB and their efficacy ranked by several countries.

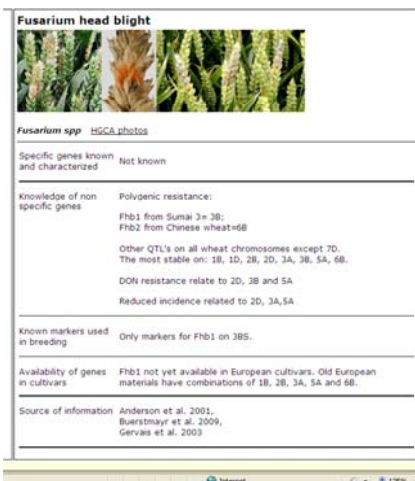


Figure 4. Information about resistance genes available in cultivars.



Figure 5. Information about fungicide ranking for control of Fusarium Head Blight.

Previous crop	Tillage	Varietal susceptibility	Risk category
Cereals, oilseed rape, flax, peas, beans, sunflowers	Ploughing	Low susceptibility	1
	Ploughing	Medium susceptibility	1
No ploughing	Ploughing	Low susceptibility	2a
	No ploughing	Medium susceptibility	2a
Sugar beet, potatoes, legum, others	Ploughing	Low susceptibility	2a
	Ploughing	Medium susceptibility	2a
No ploughing	Ploughing	Low susceptibility	2a
	No ploughing	Medium susceptibility	2a
Grain maize, sorghum (forage maize)	Ploughing	Low susceptibility	2a
	Ploughing	Medium susceptibility	2a
No ploughing	Ploughing	Low susceptibility	2a
	No ploughing	Medium susceptibility	2a

Figure 6. Risk assessment scheme for Fusarium Head Blight from France (Arvalis).

