

# Climate Change and Crop Diseases

## Selected publications

Carlton RR, West JS, Smith P, Fitt BDL (2012). A comparison of GHG emissions from UK field crop production under selected arable systems with reference to disease control. *European Journal of Plant Pathology* **133**, 333-351.

West JS, Townsend JA, Stevens M, Fitt BDL (2012). Comparative biology of different plant pathogens to estimate effects of climate change on crop diseases in Europe. *European Journal of Plant Pathology* **133**, 315-331.

West JS, Holdgate S, Townsend JA, Edwards SG, Jennings P, Fitt BDL (2012). Impacts of changing climate and agronomic factors on fusarium ear blight of wheat in the UK. *Fungal Ecology* **5**, 53-61.

Hughes DJ, West JS, Atkins SD, Gladders P, Jeger MJ, Fitt BDL (2011). Effects of disease control by fungicides on Greenhouse Gas (GHG) emissions by UK arable crop production. *Pest Management Science* **67**, 1082-1092.

Madgwick JW, West JS, White RP, Semenov MA, Townsend JA, Turner JA, Fitt BDL (2011). Impacts of climate change on wheat anthesis and fusarium ear blight in the UK. *European Journal of Plant Pathology* **130**, 117-131.

Fitt BDL, Fraaije BA, Chandramohan P, Shaw MW (2011). Impacts of changing air composition on severity of arable crop disease epidemics. *Plant Pathology* **60**, 44-53.

Barnes AP, Wreford A, Butterworth MH, Semenov MA, Moran D, Evans N, Fitt BDL (2010). Adaptation to increasing severity of phoma stem canker on winter oilseed rape in the UK under climate change. *Journal of Agricultural Science* **148**, 683-694.

Evans N, Butterworth MH, Baierl A, Semenov MA, West JS, Barnes A, Moran D, Fitt BDL (2010). The impact of climate change on disease constraints on production of oilseed rape. *Food Security* **2**, 143-156.

Butterworth MH, Semenov MA, Barnes A, Moran D, West JS, Fitt BDL (2010). North-south divide; contrasting impacts of climate change on crop yields in Scotland and England. *Journal of the Royal Society Interface* **7**, 123-130.

Mahmuti M, West JS, Watts J, Gladders P, Fitt BDL (2009). Controlling crop disease contributes to both food security and climate change mitigation. *International Journal of Agricultural Sustainability* **7**, 189-202.

Evans N, Baierl A, Semenov MA, Gladders P, Fitt BDL (2008). Range and severity of a plant disease increased by global warming. *Journal of the Royal Society Interface* **5**, 525-531.

Salam MU, Fitt BDL, Aubertot JN, Diggle AJ, Huang YJ, Barbetti MJ, Gladders P, Jedryczka M, Khangura RK, Wratten N, Fernando WGD, Penaud A, Pinochet X, Sivasithamparam K (2007). Two weather-based models for predicting the onset of seasonal release of ascospores of *Leptosphaeria maculans* or *L. biglobosa*. *Plant Pathology* **56**, 412-423.