HISTOLOGY OF FUSARIUM HEAD BLIGHT

Compiled by Bill Bushnell and referenced during his presentation, "What is Known About Infection Pathways in FHB?" at the 2001 FHB Forum.

Selected References

Hazen, B., Bushnell, W.R., and Pritsch, C. 2002. Histology and physiology of Fusarium head blight. In: Fusarium Head Blight of Wheat and Barley. K. Leonard and W. Bushnell, eds. APS Press (in press).

Kang, Z. and Buchenauer, H. 1999. Immunocytochemical localization of fusarium toxins in infected wheat spikes by *Fusarium culmorum*. Physiol. Mol. Plant Path. 55:275-288.

Kang, Z. and Buchenauer, H. 2000. Ultrastructural and immunocytochemical investigation of pathogen development and host responses in resistant and susceptible wheat spikes infected by *Fusarium culmorum*. Physiol. Mol. Plant Pathol. 57-255-268.

Kang, Z. and Buchenauer, H. 2000. Cytology and ultrastructure of the infection of wheat spikes by *Fusarium culmorum*. Mycol. Res. 104:1083-1093.

Kang, Z. and Buchenauer, H. 2000. Ultrastructural and cytochemical studies on cellulose, xylan and pectin degradation in wheat spikes infected by *Fusarium culmorum*. J. Phytopathol. 148:263-275.

Pritsch, C., Muehlbauer, G.J., Bushnell, W.R., Somers, D.A., and Vance, C.P. 2000. Fungal development and induction of defense response genes during early infection of wheat spikes by *Fusarium graminearum*. Mol. Plant-Microbe Interact. 13:159-169.

Pugh, G.W., Johann, H., and Dickson, J.G. 1933. Factors affecting infection of wheat heads by *Gibberella saubinetii*. J. of Agr. Res. 46:771-797.

Tu, D.S. 1950. Factors affecting the reaction of wheat varieties to head blight infection caused by *Gibberella zeae*. Ph.D. Thesis. Ohio State University.