

Differential Sets

Fusarium oxysporum f. sp. *conglutinans* (Foc) – Cabbage

Fusarium oxysporum f. sp. *conglutinans* causes Fusarium yellows on cabbage which can result in severe yield losses. Resistance genes have been described in literature and introgressed into commercial material, but resistance reactions are dependent on soil temperature with higher resistance being expressed at lower temperatures and increased disease at higher temperatures.

Differential hosts	Foc: 1*	Foc: 2
Golden Acre* or Golden Acre 84*	S	S
Wisconsin Golden Acre*	HR	S
BI-16* (Badger Inbred 16, University of Wisconsin, Madison)	HR	HR

S = susceptible, HR = highly resistant

*differential hosts and isolates that are used by the seed sector

References

Bosland, P.W. and Williams, P.H. (1987). An evaluation of *Fusarium oxysporum* from crucifers based on pathogenicity, isozyme polymorphism, vegetative compatibility, and geographic origin. *Canadian Journal of Botany* 65: 2067-2073.

Bosland, P.W., Williams, P.H. and Morrison, R.H. (1988). Influence of soil temperature on the expression of yellows and wilt of crucifers by *Fusarium oxysporum*. *Plant Disease* 72: 777-780.

Protocol

CPVO. See <http://www.cpvo.europa.eu/> for a protocol on disease resistance testing

For more information contact the ISF Secretariat at isf@worldseed.org

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