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## Resolving the *Diaporthe* species occurring on soybean in Croatia

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**Authors:** Santos, J.M.; Vrandečić, K.; Ćosić, J.; Duvnjak, T.; Phillips, A.J.L.

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*Diaporthe* (anamorph = *Phomopsis*) species are plant pathogens and endophytes on a wide range of hosts including economically important crops. At least four *Diaporthe* taxa occur on soybean and they are responsible for serious diseases and significant yield losses. Although several studies have extensively described the culture and morphological characters of these pathogens, their taxonomy has not been fully resolved. *Diaporthe* and *Phomopsis* isolates were obtained from soybean and other plant hosts throughout Croatia. Phylogenetic relationships were determined through analyses of partial translation elongation factor 1-alpha (EF1-α) gene and ITS nrDNA sequence data. By combining morphological and molecular data, four species could be distinguished on soybeans in Croatia. *Diaporthe phaseolorum* is described in this study and its synonyms are discussed. *Diaporthe phaseolorum* var. *caulivora* is raised to species status and the name *Diaporthe caulivora* is introduced to accommodate it. A species previously known as *Phomopsis* sp. 9 from earlier studies on sunflower, grapevine, rooibos and hydrangea is reported for the first time on soybean, and is formally described as *Diaporthe novem*. The well-known soybean pathogen *Phomopsis longicolla* was also collected in the present study and was transferred to *Diaporthe longicolla* comb. nov. The presence of these species on herbaceous hosts raises once more the relevance of weeds as reservoirs for pathogens of economically important plants.

**Keywords:** ANAMORPH; EF1-ALPHA; ITS; MATING-TYPES; PHYLOGENY; SYSTEMATICS; TAXONOMY; TELEOMORPH

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