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TOXIGENIC POTENTIAL OF *ALTERNARIA* SPECIES FROM CEREALS

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Toxigenic potential of *A. alternata* and *A. tenuissima* isolates on durum wheat grains of cultivar Dušan (*Triticum durum* L.) and common wheat cultivar Barbee (*T. vulgare* L.) were tested under laboratory conditions. *A. alternata* and *A. tenuissima* isolates were used for inoculate three different wheat genotype/fungal isolates combination. *Alternaria* toxins alternariol (AOH), alternariol monomethyl ether (AME), tentoxin (TEN), tenuazonic acid (TeA) and altenuen (ALT) were determined by LC-MS/MS. Grains of cultivar Barbee proved to be the best substrate for toxin production. Among toxins, AOH, AME and TeA were present in highest concentration. The results underline the possibility of fungal infection and mycotoxin production by *Alternaria* species both in field and storage conditions. Further research is needed for official regulation of acceptable levels of *Alternaria* mycotoxins in food and feed.

Key words: *Alternaria*, toxin production, wheat.

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