

Endophytic Fungi and Ergot Alkaloids in Native Turkish Grasses

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Mature inflorescences of 76 samples of ten genera of native grasses were collected in the Ankara province of Turkey. Microscopic examination of individual seeds revealed the presence of endophytic fungi in four seed samples, The endophytes were isolated in pure culture and identified. Seeds were also ground and subjected to ELISA and HPLC analyses to confirm the levels of ergot alkaloids typically produced by endophytic fungi of grasses.

KEY WORDS: Endophytes; *Neotyphodium* spp.; ergot alkaloids; ergopeptine; ELISA; HPLC.

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