

**Title** *Fusarium* species associated with harvested corn grains in western Iran  
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**Citation** Abstracts of 7<sup>th</sup> International Postharvest Symposium 2012 (IPS2012). 25-29 June, 2012. Putra World Trade Centre (PWTC), Kuala Lumpur, Malaysia. 238 pages.  
**Keywords** corn; mycotoxin

#### **Abstract**

Com is one of the most important cereal crops being cultivated in Iran. Worldwide reports showed that com grains are heavily contaminated with *Fusarium* spp. during harvest and post-harvest stages. Some of these species are known as deadly mycotoxin producers harmful to both humans and animals. The objective of this study was to identify *Fusarium* species associated with com grains harvested in Kermanshah, Hamedan, and Kurdistart Provinces, western region of Iran. In this survey, a total of 190 isolates of *Fusarium* were obtained from com grains collected from the region and identified by using morphological characters as *F. verticillioides*, *F. proliferatum*, *F. anthophilum*, *F. semitectum*, *F. equiseti*, *F. subglutinans*, and *F. pseudoanthophilum*. This is the first comprehensive report on identity and distribution of *Fusarium* spp. from harvested com grains in western Iran. Molecular identification and mycotoxin-producing ability of the *Fusarium* spp. are being investigated.