

# **Resistance to Fusarium Wilt in Common Bean Germplasm. (C01-brick161228-Poster)**

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## **Abstract:**

Fusarium wilt of dry bean caused by *Fusarium oxysporum* f. sp. *phaseoli* (Fop) has recently become a serious disease on common bean (*Phaseolus vulgaris* L.) in the High Plains and western U.S. Race variability of Fop exists and host resistance genes differ in their reaction to the different Fop races. Common bean germplasm representative of races from Middle American Center of Diversity was screened for resistance and crosses made to determine modes of inheritance among different resistance genes. Different resistant genes showed allelic differences, and some resistance genes confer resistance to more than one race of Fop. We will identify sources of resistance and modes of inheritance for specific resistance genes.

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dry beans, breeding, disease resistance