

**RELATIVE HOST SUITABILITY OF CORN AND ALFALFA  
CULTIVARS TO *MELOIDOGYNE JAVANICA***

**A.S. AL-HAZMI**

*Department of Plant Protection,  
King Saud University, Riyadh, Saudi Arabia.*

**Abstract**

Greenhouse tests were conducted to determine the relative reproductive rates of *Meloidogyne javanica* on 6 corn hybrids and 4 alfalfa cultivars. Nematode reproduction, as estimated by the number of eggs produced per g of root, varied widely among cultivars of each crop. Corn hybrids viz., XL72a and XL77a were good hosts showing significant population increases over other hybrids, XL82 showed moderate reproduction, XL81 and Stylepak with relatively low nematode reproduction, whereas XL94 was found to be highly resistant. On alfalfa, highest reproduction was obtained with cv. Turkey followed by cv., Cuf 101. Reproduction on Hasawi-local being extremely low and completely prevented by cv. Hasawi-Amer improved.