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Abstract
Hydraulic conductivity is ability of water movement into saturation soil This parameter is used by irrigation and drainage projects. Parameters of soil texture, soil structure, salts, kind of fluid, soil temperature effect on hydraulic conductivity. This coefficient is measured by inverted auger hole, Guelph permeameter, falling head methods in over water table. This research was performed in research farms of Gorgan university. Soil texture was sandy loam, loam, clay loam. Hydraulic conductivity was between 0.5- 1.8 m/day.

Keyword : Hydraulic conductivity, Inverted auger hole, Guelph, Fallin head, Gorgan