



RESEARCH PAPER

Effect of canopy relative humidity on growth and yield of pigeonpea + kalmegh intercropping system

J. P. Bholane* and V. M. Bhale¹

Department of Agronomy, R.C.S.M. College of Agriculture (M.P.K.V.), Kolhapur (M.S.) India
(Email: jayubholane@gmail.com)

Abstract : A field experiment was conducted at Nagarjun Medicinal Garden, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola during 2009-10 to determine suitable row proportion for pigeonpea + kalmegh intercropping system. Effect of weather parameter such as canopy relative humidity on growth and yield of pigeonpea and kalmegh was studied. Further, canopy relative humidity showed decreasing pattern with the advancement in age of the crop. In pigeonpea maximum morning canopy relative humidity was observed with 2:1 row proportions, however evening canopy relative humidity was maximum with 2:2 row proportion. Dry matter and grain yield of pigeonpea showed positive and negative correlation with morning and evening canopy relative humidity, respectively. While herbage yield, seed yield and andrographolide yield of kalmegh reported negative and positive correlation with morning and evening canopy relative humidity, respectively.

Key Words : Kalmegh, Intercropping, Relative humidity, Correlation

View Point Article : Bholane, J.P. and Bhale, V.M. (2021). Effect of canopy relative humidity on growth and yield of pigeonpea + kalmegh intercropping system. *Internat. J. agric. Sci.*, 17 (2) : 442-445, DOI:10.15740/HAS/IJAS/17.2/442-445. Copyright@2021: Hind Agri-Horticultural Society.

Article History : Received : 01.03.2021; Revised : 04.03.2021; Accepted : 17.03.2021

* Author for correspondence :

¹Dr.Panjabrao Deshmukh Krishi Vidyapeeth, Akola (M.S.) India