



## RESEARCH PAPER

# Effect of weather parameters on growth and yield of pigeonpea + kalmegh intercropping system

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**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. Canopy relative humidity and canopy temperature showed decreasing pattern, with the advancement in age of the crop. Maximum thermal use efficiency (TUE) in pigeonpea and kalmegh was noticed with 2:1 (3.43 kg/ha/D°C) and 1:1 (0.72 kg/ha/D°C) row proportion. Pigeonpea showed positive correlation with morning relative humidity, while the kalmegh recorded positive correlation with evening relative humidity.

**Key Words :** Kalmegh, Intercropping, Relative humidity, TUE, Correlation

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