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RESEARCH PAPER

Effect of foliar spray of growth regulators with nutrients on yield variation in varagu under rainfed condition

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Abstract : A study was conducted in the Centre of Excellence in millets, Athiyandal, Tiruvannamalai district during *Kharif* (September, 2015-January, 2016). Scarcity of water is a severe environmental constraint to plant productivity. Millets are small-seeded grasses that are hardy and grow well in dry zones as rain-fed crops, under marginal conditions of soil fertility and moisture. This is important in heavily populated areas. The experiment was conducted by adopting Randomized Block Design with three replications. The morpho and physiological effects were positively correlated with yield components in varagu under rainfed condition. Growth regulator and nutrient spray on the crop growth period had significant influence on the plant height, relative water content, number leaves and yield component of the plant under rainfed condition.

Key Words : Growth regulator, Plant height, No. of leaves, RWC (%), Yield, Water stress

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