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RESPONSE OF SWEET PEPPER TO DIFFERENT CULTURE MEDIA UNDER SOILLESS GROWING TECHNIQUES (OPEN SYSTEM) IN COOLED GREENHOUSE (270M²) AT RUMAIS

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Three different media- sand, date palm straw and wood straw were tested for the production of sweet pepper variety namely Hercules F1 in respect of growth, yield and quality performance under soilless growing technique in a 270m² cooled greenhouse for two consecutive seasons 2012/2013-2013/2014. The three growth media were arranged in Randomized Complete Design (RCD) with five replications. The results indicated significant (p₂, fruit weight (g) and yield (t/ha) among the plants grown in three media tested. The crop responded highest under sand medium with average yield of 3.6 t/ha over two seasons followed by that in wood straw medium (3.4 t/ha.)

Keywords: Greenhouse; Sweet pepper; Substrates; Soilless Culture