

Effect of SRI method for rice cultivation and drip irrigation - A low cost treatment for cultivation of strawberry

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ABSTRACT : Rice is the most popular and important crop in the world. It is widely grown through the temperate zone and in some tropical and sub-tropical areas of moderate to high rainfall. The rice production in India in a year 2011 - 2012 was about 105.31 million tonnes/bales. The study was carried out at Akola Taluka, District Ahmadnagar, Maharashtra. Systematic rice intensification (SRI) technique was used for the comparison of yields of traditional rice cultivation and of SRI method. Soil type was sandy clay and sandy loam which was fertigated by organic fertilizer like cow dung with suitable proportions. 10 different plots were selected for eight different local varieties of rice such as Rupali, Punam, Indrayani, Pusa Basmati, Dapptari, Rasge, Lakshmi and Vaishnavi. Rice seeds were treated with *Amrut Pani*, for sprouting and *Jivamrute* for fungal diseases. The plant spacing 25 × 25 cm showed good result in increasing the number of tillers. The number of tillers increased (50-55 %) in each variety. The yield of rice was nearly increased (40 %), there was increased in yield by using SRI technique than traditional practicing. Gravity drip irrigation system a low cost water treatment technology for the farmers those have less land is available for the cultivation. The Sweet charley variety of strawberry was used for the evaluation of the gravity drip irrigation system. The average crop yield of strawberry per plant in one season was 1025 g.

Key Words : Systematic rice intensification, Gravity drip irrigation system, Sweet charley strawberry

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