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EFFECT OF NATURAL VENTILATION AND HUMIDIFICATION SYSTEM ON MICROCLIMATE IN NETHOUSE

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ABSTRACT: The present study was conducted at Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola to know the effect of humidification system in naturally ventilated nethouse during winter season. The nethouse temperature was found to be 5.5°C to 7.5°C lower than ambient temperature. The relative humidity was 15.57% higher inside the nethouse than ambient. The light intensity was always lower in nethouse than ambient condition, but it is just sufficient for photosynthesis of crop during winter season. The operation of misting system at 3 hrs interval for 5min operation has shown comparatively the good results in winter reason.

Key Words: Nethouse, microclimate, humidification.