



Research Paper

Article history :

Received : 13.01.2014

Revised : 04.05.2014

Accepted : 16.05.2014

Development of foliar concoction for improving flower yield in jasmine (*Jasminum sambac*)

■ R. SIVAKUMAR, C.N. CHANDRASEKHAR¹ AND S. SRIVIDHYA¹

Members of the Research Forum

Associated Authors:

¹Department of Crop Physiology,
Tamil Nadu Agricultural University,
COIMBATORE (T.N.) INDIA

Author for correspondence :

R. SIVAKUMAR

Department of Crop Physiology,
Tamil Nadu Agricultural University,
COIMBATORE (T.N.) INDIA
Email : sivatnau5@gmail.com

ABSTRACT : A field study was conducted for development of foliar concoction to increase the flower yield in jasmine by correcting the nutrient deficiency symptoms at field level. The effect of different combinations of nutrient solutions and two foliar concoction formulations on physiological parameters and yield of jasmine was investigated under field conditions in the farmer's field. Three sprays were given during the month of January, February and March. Experiment was laid out by adopting RBD with three replications and nine treatments. Among the treatments, Formulation II (Ferrous sulphate (0.5%), zinc sulphate (0.3%), magnesium sulphate (0.3%), salicylic acid (100 ppm), citric acid (0.1%), borax (0.3%), K₂SO₄ (0.5%) and NAA (20 ppm)) increased the yield up to 5424 kg per hectare with the BC ratio of 4.23. The chlorophyll index, soluble protein content and NRase activity were also found to be improved over control by the foliar treatment of Formulation II.

KEY WORDS : Foliar concoction, SPAD, Soluble protein, NRase activity, Flower bud yield

HOW TO CITE THIS ARTICLE : Sivakumar, R., Chandrasekhar, C.N. and Srividhya, S. (2014). Development of foliar concoction for improving flower yield in jasmine (*Jasminum sambac*). *Asian J. Hort.*, 9(1) : 183-186.