Research Paper

Off season flower induction through fertigation and biostimulant spray in *Jasminum sambac* Ait.

Members of the Research Forum

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ABSTRACT : An investigation was undertaken at the Botanical Garden, Tamil Nadu Agricultural University, Coimbatore to study the influence of fertigation and biostimulant spray on offseason flower production in *Jasminum sambac* cv. RAMANATHAPURAM GUNDUMALLI. The crop was grown under precision method of cultivation by following fertigation at weekly intervals and the plants were sprayed with biostimulant *viz.,* humic acid (0.4%) and panchagavya (3%) at monthly intervals and the effect of these on off season flower production was evaluated. The results indicated that drip fertigation with 125 per cent recommended dose of fertilizer in combination with foliar spray of humic acid (0.4%) and panchagavya (3%) produced flowers throughout the year with a production of 14.78 t ha^{-1}. This was closely followed by the treatment with 100% recommended dose of fertilizer in combination with humic acid (0.4%) and panchagavya (3%) with production of 14.14 t ha^{-1}. However, this treatment showed its superiority by registering highest BCR over other treatments.

KEY WORDS : Precision, Conventional, Fertigation, Biostimulant, *Jasminum sambac*

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