Integrated Weed Management in Tomato (*Lycopersicon esculentum* Mill.)

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ABSTRACT

Field experiment was conducted during *rabi*, 2010-11 at Model orchard, College of Horticulture, Rajendranagar, Hyderabad to find out the effective integrated treatment for weed control in tomato. The experiment consisting of thirteen treatments and three replications was laid out in randomized block design. The results indicated that the pre-emergence application of metribuzin @ 0.5 kg ha^{-1} followed by hand weeding at 30 days after transplanting recorded the least weed count and dry weight favouring the highest yield of tomato (30.33 t ha^{-1}). An application of pendimethalin, metribuzin, oxadiargyl and quizalofop ethyl in combination with one hand weeding produced significantly the higher yield of tomato than the application of these herbicides alone.

Key words : Integrated weed management, Tomato, Yield.