

## Performance evaluation of self propelled boom sprayer

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■ **ABSTRACT** : Spraying of pesticides is done to control pest and diseases for that purpose sprayer are used. Sprayer must break liquid in to droplet of effective size, also distribute them uniformly over the plants and regulate the amount of liquid to avoid excessive application controlling pest, diseases is one serious problem facing the farmers everywhere. In the view of these problems field performance evaluation trials of self propelled boom sprayer were carried out in cotton and chilli field. The average effective field capacity of self propelled boom sprayer in the field of cotton and chilli was found to be 1.28 ha/hr and 1.69 ha/hr, respectively. The average field efficiency of cotton and chilli crop was 62.74% and 81.02%, respectively. As far as concern of spraying cost by using self propelled sprayer was found to be Rs. 359.27 /ha and Rs. 283.87/ha for cotton and chilli crop, respectively.

■ **KEY WORDS** : Cotton, Chilli, Self propelled sprayer

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