

# Performance evaluation of cono weeder for paddy in farmer's field

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**ABSTRACT :** The cono weeder was procured evaluated for its field performance for long duration in paddy crop (Sona masuri) at farmer's field. The average row spacing, hill to hill spacing and height of crop were found to be 30cm, 10cm and 38cm, respectively. The average plant population of crop in square meter area was 32. The type of weed observed was *Cypruss rotendus* and *Cynodan dectylan*. The average height and population of weed in square meter area were 10cm and 125cm, respectively. The results indicated that, the field capacity was in the range of 0.016 to 0.019 ha/h with a field efficiency in the range of 59.23 to 62.07 per cent. The per cent weeding efficiency was observed in the range of 72.00 to 85.0. The average effort required to push the cono weeder was 14.4kgf. The Brinell hardness number of the weeding cone was observed in the range of 159 to 187. The per cent wear on dimensional basis in the right and left weeding cones was observed 4.75 and 3.80, respectively.

**KEY WORDS :** Cono weeder

**Article Chronicle :** Received : 18.01.2013; Revised : 20.02.2013; Accepted : 12.03.2013

**How to cite this Article :** Anantachar, M., Sushilendra, Lokesh, Shirwal, Sunil, Raghavendra and Mareppa (2013). Performance evaluation of cono weeder for paddy in farmer's field. *Engg. & Tech. in India*, 4(1) : 14-16.

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