



**RESEARCH ARTICLE :**

## Weed dynamics of red rice + *Sesbania aculeate* intercropping system

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**SUMMARY :** Field experiments were conducted during *Rabi* 2015-2016 to study the effect different levels of fertilizers in green manure (*Sesbania aculeate*) inter cropping four drum seeded red rice varieties, viz., Chandikar, Nourguan, TKM 9 and TPS 1 on weed flora, total weed density and weed dry biomass. Among the four varieties, land race chanikar recorded the lowest grasses, sedges and broad leaf weed density. *In-situ* incorporation drum seeded daincha (*Sesbania aculeate*) at 30 DAS and application 75 % RDF significantly reduced the total weed density and total weed dry biomass. Among the different combinations drum seeding variety Chandikar with *Sesbania aculeate* at 75% recommended dose of fertilizer (50:25:25 kg NPK ha<sup>-1</sup>) in two split application recorded the lowest total weeds density and lowest total weed dry biomass production.

**KEY WORDS :**

Red rice, Weed density, Drum seeding, Nutrient management, Intercropping

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