



**RESEARCH ARTICLE :**

## Influence of weed management practices on yield and economics of aerobic rice under different seeding methods

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**ARTICLE CHRONICLE :**

**Received :**  
19.07.2017;

**Accepted :**  
03.08.2017

**KEY WORDS :**

Aerobic rice, Weed index, Yield, Economics

**SUMMARY :** A field experiment was conducted during the *Kharif*, 2014 at College Farm, Professor Jayashankar Telangana State Agricultural University, Hyderabad to study the bio-efficacy of various herbicides on weeds, yield and economics of direct seeded rice. The weed flora emerged during experimentation were: grasses like *Echinochloa colonum* L., *Cynodon dactylon* L., *Eleusine indica*, sedges like *Cyperus rotundus* L, and broad-leaved weeds like *Eclipta alba* L., *Commelina bengalensis* L., *Ipomoea purpurea*, *Alternanthera sessilis*, *Physalis minima*, *Bacopa monnieri*, *Cyanotis cristata*, *Corchorus*, *Phyllanthus niruri*, *Ageratum conyzoides*. Among seeding methods the highest gross returns (Rs.47280), net returns (Rs.17544) and B: C ratio (1.57) were obtained with line sowing than broadcasting. Among weed management practices highest gross returns (Rs.47770) were with T<sub>6</sub> treatment and highest net returns (Rs.15826) with T<sub>5</sub> treatment whereas highest BC ratio (1.56) with T<sub>3</sub> and T<sub>4</sub> treatments was obtained which were superior to other treatments.

**How to cite this article :** Prashanthi, Ch., Laxminarayana, P. and Sagar, G.E.Ch. Vidya (2017). Influence of weed management practices on yield and economics of aerobic rice under different seeding methods. *Agric. Update*, 12(TECHSEAR-7) : 1828-1832; DOI: 10.15740/HAS/AU/12.TECHSEAR(7)2017/1828-1832.

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