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Effective weed management practices to enhance the yield of direct seeded rice (*Oryza sativa* L.)

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ABSTRACT : A field experiment was conducted during the *Kharif* season of 2013 and 2014 at KVK, South Tripura to evolve effective weed management practices for upland direct seeded rice. The experiment consisted of 12 treatments laid out in Randomized Complete Block Design with three replications. The predominant weed flora observed in the experimental field were *Amaranthus viridis*, *Oldenlendia corymbosa*, *Spilanthes acmella*, *Ludwigia parviflora*, *Cleome rutidosperma*, *Malvestrum coromondalianeum* among the broad leaf weed, *Digitaria sanguinalis* among grasses and *Cyperus iria* among sedges. The result of the experiment reveals that weed free treatment recorded lowest weed dry weight for all types of weed and higher yield and yield attributing parameters of upland rice followed by pendimethalin + one hand weeding. All other treatments were significantly superior to weedy check in all respect.

KEY WORDS : Weed management, Direct seeded rice, Yield

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