

Nutrient Uptake by *Vicia Sativa* and Other Weeds in Rice-Fallow Blackgram

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ABSTRACT

A field experiment was conducted during *rabi*, 2015-16 on sandy clay loam soils of Agricultural College, Naira, to study the effect of aciflourfen+clodinafop-propargyl on nutrient uptake by *Vicia sativa* L. and other weeds in rice-fallow blackgram. The results revealed that at all the intervals of sampling, all the herbicide treatments significantly lowered the dry weight of total weeds except T₃ and T₄ at 30 DAS and harvest which were comparable with weedy check (T₁) and the lowest nutrient uptake by *Vicia sativa* and other weeds and maximum nutrient uptake by blackgram was recorded with acifluorfen+clodinafop-propargyl @ 0.4 kg a.i ha⁻¹ (T₁₀) at 25 DAS which was on par with its lower doses 0.35 kg (T₉) and 0.3 kg a.i ha⁻¹ (T₈). The seed yield of blackgram also followed the similar trend.

Key words: *Nutrient uptake, Rice-fallow blackgram, Vicia sativa.*