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**Performance of grasses and legumes as influenced by their strip intercropping association in typical arid Kachchh, Gujarat**

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**Abstract**

A field experiment involving four grasses and two legumes with total 14 treatment combinations was undertaken in a randomized complete block design with three replications during *Kharif* seasons of 2013-14 and 2014-15. Data on plant height, number of tillers/branches, leaf-stem ratio, fresh and dry matter yield and land equivalent ratio were recorded. Grass-legume intercropping treatments determined higher fresh and dry matter yield than their sole counterparts. Among intercropping treatments, *Dicanthium annulatum* based treatments recorded higher fresh herbage and dry matter yield. Thus, intercropping of grass-legume could be recommended for enhancing fodder yield in typical arid conditions of Kachchh, Gujarat.

**Keywords:** Arid region, Forage yield, Grasses, Land equivalent ratio, Legumes, Strip intercropping