

Farmer participatory for promotion of *Sesbania rostrata* as seed production and green manure to increase rice yield in moderately saline soil

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Abstract

Demonstration of *Sesbania rostrata* for seed production and green manure to increase KDML105 rice yield in moderately saline soil had been carried out at Ban Nong Sruang, Nong Sruang subdistrict, Kham Tale Soa district, Nakhon Ratchasima province in 2006-2007. Observational trial was consisted of four treatments 1) 2 kg/rai of *Sesbania* seed planted by sowing follow by rice, 2) *Sesbania* seed planted by rows of 75x50 cm follow by rice, 3) rice followed by *Sesbania* seed sowing and 4) rice followed by *Sesbania* rows. It was found that sowing *Sesbania* seed gave highest yield of *Sesbania* seed production. *Sesbania* seed planted by rows of 75x50 cm follow by rice gave highest rice yield of 540 kg/rai and highest income of 2050 bath/rai. Farmer participatory for promotion and demonstration of tree and fruit tree on recharge area

Keywords: green manure, *Sesbania rostrata*