# Seed Production of Sunnhemp (*Crotalaria juncea* L.) as Influenced by Sowing Time

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**ABSTRACT**

A field experiment was conducted during *rabi*, 2011-12 on clay loam soils of the Agricultural College Farm, Bapatla to evaluate the influence of sowing time on the seed production of sunnhemp (*Crotalaria juncea L.*) in costal eco system. The crop was sown on 1st October, 15th October, 1st November, 15th November, 1st December, 15th December, 1st January, 15th January, 1st February and 15th February respectively. Among the different sowing dates, the crop sown on 1st October recorded significantly higher seed yield (1066 kg $ha^{-1}$), stalk yield (4485 kg $ha^{-1}$) gross returns (Rs. 57698 $ha^{-1}$), net returns (40989 $ha^{-1}$), returns per rupee invested (Rs 3.45). The crop sown on 1st October received highest heat use efficiency (0.52 and 0.54) than other sowings and lowest was recorded with February sowings (0.19 and 0).

**Key words :** Growing Degree Days, Heat Use Efficiency, Seed yield, Sowing time, S*unnhemp*.