



Economical assessment of critical period for crop-weed competition in rainfed sesamum (*Sesamum indicum*)

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Abstract : A field experiment was conducted during 2010-11 and 2011-12 at Oilseed Research Station, Mamurabad farm, Jalgaon (M.S.) to assess critical period of crop-weed competition and find out ideal weeding time for rain fed sesamum. The results revealed that, 15 to 30 DAS were more crucial and critical period for crop-weed competition. Minimum loss (16.71%) was observed with weeding at 30 DAS and produced significantly more yield (553kg ha⁻¹) than weeding at 45 and 60 DAS . It also increased net monetary return (Rs 14332 ha⁻¹) and B:C ratio (1.86) which indicated that, hand weeding at 30 DAS economically more feasible than other growth stages for rainfed sesamum in the region.

Key Words : Sesamum, Crop-weed competition, Economics

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