



5. Direct seeded Rice (DSR) technology

Type: (Improved Method)

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Patent:- NA

Name of Inventor

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Description of Technology

Direct seeded rice (DSR) provides the opportunity to overcome the scarcity of labour, water and high cost of production.

Seed rate of 60 kg/ha should be used as pre-germinated seed under wet direct seeded condition at 20 cm spacing.

Thinning should be done at 25 DAS and 15 plants retained in 1 m row

Penoxulam @ 22.5 g/ha should be applied as pre-emergence herbicide for controlling the weeds.

For realizing higher yield and profitability in direct rice, variety SR4 with 120 kg N/ha is recommended with additional benefit of water saving to the extent of 25.8%.



Impact

The highest profit of 1.68 (20 % higher than conventional transplanting) rupee per rupee of investment was obtained with variety SR-4 in conjunction.

For realizing higher yield and profitability in direct seeded rice, variety SR4 with 120 kg N/ha is recommended with additional benefit of water saving to the extent of mean water saving of 25.8%. The method involves 25% lesser labour cost.

Commercial Applicability

Can be used on more than 30,000 ha of rice lands in Kashmir valley for early sowing, labour saving, water saving, high yield and higher net returns.