

Technology Profile for (Name) : Rice Variety Bhalum 4

Description of technology

Upland rice variety

Area of application

Upland rice variety for mid-hill areas

Equipment required

Normal equipment for rice cultivation.
No specific equipment required

Space requirement

No specific space requirement. But, to get a profitable yield, cultivation in at least 0.5 ha should be done

Raw material and production cost

Seed input is one of the raw material available @ Rs.25/kg. Cost of seeds for 1ha will be Rs.1250. In addition, NPK @ 60:60:40 is preferred. Cost of NPK will vary depending on the fertilizer used. Approximate cost of cultivation Rs.18,000/ha.

Risks/opportunities involved in adopting the technology

Risk of complete crop loss is not apprehended. However, normal risk of rainfed cultivation is applicable in this case.

Cost of available alternate technologies to similar products

Are similar to the proposed technology

Expected cost of technology

Rs. 18,000 / ha with full package

Details of benefits of the

Approximately Rs.17,000/ha calculated on the technology/process developed basis of Rs.10/ kg of paddy and yield of 3.5 t/ha with full package



This variety may be found suitable for other hill states and may have wider market.

Scope

Bhalum 4 is suitable for Meghalaya, Mizoram, Manipur and Nagaland. Total rice in this state approximately 4,73,000 ha, of which 35% is upland. Bhalum 4 have the potential for about 45% (74,500 ha) of that area considering loss seed replacement.

Each varieties of Bhalum 1, 2, 3, and 4 has potential of about 23,000 ha. Considering 5% seed replacement per year seed requirement for each variety is 230 ton.