

# Technology Profile for Maize Variety RCM 1-1

<b>Description of technology</b>	<b>Maize variety</b>
<b>Area of application</b>	<b>Upland for mid-hill areas</b>
<b>Equipment required</b>	<b>Normal equipment for maize cultivation. No specific equipment required</b>
<b>Space requirement</b>	<b>No specific space requirement. But, to get a profitable yield, cultivation in at least 0.5 ha should be done Raw material and production Seed input is one of the raw material cost available @ Rs.33.00 per kg. Cost of seeds for 1ha will be Rs.660.00. In addition, NPK @ 100:60:40 is preferred. Cost of NPK will vary depending on the fertilizer used.</b>
<b>Approximate cost of cultivation</b>	<b>Rs.15,000/ha</b>
<b>Risks/opportunities involved in adopting the technology</b>	<b>Risk of complete crop loss is not apprehended. However, normal risk of heavy rainfall during cultivation is applicable in this case.</b>
<b>Cost of available alternate technologies to similar products</b>	<b>Cost of available alternate technological inputs are similar to the proposed technology</b>
<b>Expected cost of technology</b>	<b>Rs. 15,000.00 / ha with full package</b>
<b>Details of benefits of the technology / process</b>	<b>Approximately Rs.21,000.00 / ha calculated on the basis of Rs.6.00 per kg of maize and developed yield of 6 t/ha with full package</b>



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

## About the variety

Green colour : yellow  
Row/cob : 12-16  
Days to maturity : 115 days  
100 seed weight : 28g  
Resistance to turcicum blight

## Scope

RCM 1-1 is suitable for all states of Northeast. Considering 40% of maize area as potential for this genotype, total potential area is 69000 ha. Seed requirement is 172 t/year.