



# **ACTION PLAN (NICRA)**

**2022-23**

**Krishi Vigyan Kendra, Kendrapara**

**Zone-V, ICAR-ATARI, Kolkata**

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## ACTION PLAN, NICRA

Sl No	Farming System Typologies	Climate constraints	Interventions/tech
01	Rain fed low land (Rice - fallow) without animal	Flood, Terminal drought	<ul style="list-style-type: none"> <li>• Cultivation of flood tolerant rice variety CR 1009 sub 1</li> </ul>
02	Rain fed low land (rice - pulses) with animal	Flood, infectious disease due to flood in animals, pest incidence in pulses	<ul style="list-style-type: none"> <li>• Cultivation of flood tolerant rice variety CR 1009 sub 1</li> <li>• Improved goat housing system</li> <li>• Portable poultry housing system</li> <li>• Scientific management of cowshed</li> <li>• Introduction of Sirohi buck for breed upgradation</li> <li>• Azolla and Fodder cultivation</li> <li>• YMV tolerant green gram variety IPM 2- 14</li> </ul>
03	Rain fed medium land ( Rice - fallow) with pond without animal	Flood, Terminal drought, loss of pisciculture due to flood	<ul style="list-style-type: none"> <li>• Cultivation of flood tolerant rice variety Swarna sub 1</li> <li>• Rice-black gram piara cropping</li> <li>• Stocking of 1000 nos of IMC yearling in 0.2 ha area with 2 to 1% body weight floating feed in post flood situation</li> </ul>
04	Rain fed medium land (Rice - pulses) without animal	Flood, Terminal drought, dry spell, pest incidence	<ul style="list-style-type: none"> <li>• Cultivation of flood tolerant rice variety CR 1009 sub 1</li> <li>• YMV tolerant green gram variety IPM 02-14</li> </ul>
05	Rain fed medium land (Rice - pulses) with animal	Flood , Terminal drought, Moisture stress	<ul style="list-style-type: none"> <li>• Improved goat housing system</li> <li>• Portable poultry housing system</li> <li>• Scientific management of cowshed</li> <li>• Introduction of Sirohi buck for breed upgradation and vaccination</li> <li>• Azolla and Fodder cultivation</li> </ul>
06	Rain fed medium land ( Rice - vegetable) without animal	Flood, Moisture stress, infectious disease and high temperature	<ul style="list-style-type: none"> <li>• Low cost poly tunnel for seedling raising</li> <li>• cultivation of bitter gourd in grow bag in grow</li> <li>• Mulching in vegetables</li> <li>• Cultivation of heat tolerant tomato variety Cheerjeevi</li> <li>• R&amp;F and BBF method of vegetable cultivation</li> </ul>

<b>Sl No</b>	<b>Farming System Typologies</b>	<b>Climate constraints</b>	<b>Interventions/tech</b>
07	Rain fed medium land ( Jute) without animal	Flood , Terminal drought, Moisture stress	<ul style="list-style-type: none"> <li>• Use of CRIJAF Sona for</li> <li>• Dying and bleaching of jute</li> <li>• Manufacture of jute handicrafts</li> </ul>
08	Irrigated medium land (Rice - vegetable) without animal	Flood, disease pest incidence	<ul style="list-style-type: none"> <li>• Cultivation of flood tolerant rice variety Swarna sub 1</li> <li>• Low cost poly tunnel for seedling raising,</li> <li>• Cultivation of bitter gourd in grow bag</li> <li>• Cultivation of heat tolerant tomato variety Chirnjeevi</li> <li>• R&amp;F and BBF method of vegetable cultivation</li> <li>• Mulching ion vegetable</li> </ul>
09	Irrigated medium land (Rice - veg.) with animal	Flood, scarcity Low water holding capacity of soil	<ul style="list-style-type: none"> <li>• Improved goat housing system</li> <li>• Introduction of Sairohi buck for breed upgradation</li> <li>• Azolla and fodder cultivation</li> <li>• Vermicompost production</li> </ul>
10	Home stead without animal	Lack of income source	<ul style="list-style-type: none"> <li>• Poultry and duckery</li> <li>• Mushroom cultivation</li> <li>• Manufacture of jute handicrafts</li> </ul>