



## Web based advisory service for site-specific fertilizer recommendations in different land use systems of West Bengal

ICAR-NBSS&LUP is engaged in resource based agricultural land use planning for improving livelihood of the farmers of the country; developed Farmer's advisory service, hosted on <u>www.wbagrisnet.gov.in</u> of NIC server and linked with mobile cell phone to offer services to the vegetable, rice, fruit and pulse growers of West Bengal. Advisory based on knowledge base (information heuristises), inference engine (analyzes knowledge base) and end user interface (accepting inputs and generating outputs) has an open architecture for addition/ deletions of soil test values. It generates information on ranges of soil pH, macro and micro-nutrient status and calculates nutrient requirement, recommends type, amount, time and method of fertilizer application, organic matter and soil ameliorants for a given variety of a crop or land use of a village in different seasons. The advisory has revolutionised the agricultural scenario in West Bengal. The format of the query and query results in the mobile are given below.

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- List of Private Laborator State : * WEST BENGAL M Dist	rict : * BIRBHUM	pH Nitrogen Phosphate Potash Zinc Boron Holybdenum Cu Fe Mn Moderatelvacidic High Low Medium Deficient Deficient Sufficient Sufficient Sufficient Sufficient	
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Grid No. : 80 JL	No.: 149	Crop N:P:X(kg/ha) Urea: SSP: MOP Urea: DAP: NOP Soil Fertiliser Fertiliser as Manure Bio-	
Farmer Advisory Crop Name	on s · RABI	Ameliorant as Zinc as Boron Molybdenum Fertiliser	
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Boro Paddy		(Transplanted) Tillering 60 132 132 132 kg/ha/year 0.25 kg/ha /g/ha /g/ha	1
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