



CENTRAL TASAR RESEARCH AND TRAINING INSTITUTE,  
RANCHI  
CENTRAL SILK BOARD  
Ministry of Textiles - Govt. Of India  
Bangalore - 560 068



**SOIL HEALTH CARD**

Farmer's Name	:	Sample 1	Soil Health Card No.	:	01	Irrigation Type	:	Rainfed
Village Address	:	Mahadevgarh	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Bhagalpur	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.00		Acidic
2	EC	0.12	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.33	%	Low
4	Available Nitrogen (N)	97.91	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	4.80	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	192.64	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	1.13	ppm	Low
8	Available Zinc (Zn)	0.55	ppm	Sufficient
9	Available Boron (B)	4.89	ppm	Sufficient
10	Available Iron (Fe)	6.94	ppm	Sufficient
11	Available Manganese (Mn)	7.20	ppm	Sufficient
12	Available Copper (Cu)	0.74	ppm	Sufficient

**FERTILIZER RECOMMENDATION BASED ON SOIL TEST**

**Macronutrients**

Urea	:	326 kg/ha	(47 g/Tree)
Single Super Phosphate	:	469 kg/ha	(67 g/Tree)
Muriate of Potash	:	104 kg/ha	(15 g/Tree)

**Micronutrients (kg/ha)**

ZnSO <sub>4</sub>	Borax	FeSO <sub>4</sub>	MnSO <sub>4</sub>	CuSO <sub>4</sub>	S
Not Required	Not Required	Not Required	Not Required	Not Required	15

**General Recommendation**

Organic Manure	Biofertilizer	Lime/Gypsum
12.5 t/ha	Azotobacter @ 20kg/ha along with 50 kg FYM	Lime @ 1125 kg/ha

Date of Soil Sample Received : 10-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	:	Sample 3	Soil Health Card No.	:	02	Irrigation Type	:	Rainfed
Village Address	:	Akasi	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Bhagalpur	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.02		Acidic
2	EC	0.10	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.48	%	Low
4	Available Nitrogen (N)	92.89	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	4.20	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	212.80	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	1.38	ppm	Low
8	Available Zinc (Zn)	0.78	ppm	Sufficient
9	Available Boron (B)	5.72	ppm	Sufficient
10	Available Iron (Fe)	10.90	ppm	Sufficient
11	Available Manganese (Mn)	19.30	ppm	Sufficient
12	Available Copper (Cu)	0.56	ppm	Sufficient

**FERTILIZER RECOMMENDATION BASED ON SOIL TEST**

**Macronutrients**

Urea	:	326 kg/ha	(47 g/Tree)
Single Super Phosphate	:	469 kg/ha	(67 g/Tree)
Muriate of Potash	:	83 kg/ha	(12 g/Tree)

**Micronutrients (kg/ha)**

ZnSO <sub>4</sub>	Borax	FeSO <sub>4</sub>	MnSO <sub>4</sub>	CuSO <sub>4</sub>	S
Not Required	Not Required	Not Required	Not Required	Not Required	15

**General Recommendation**

Organic Manure	Biofertilizer	Lime/Gypsum
12.5 t/ha	Azotobacter @ 20kg/ha along with 50 kg FYM	Lime @ 1125 kg/ha

Date of Soil Sample Received : 10-11-2017

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**SOIL HEALTH CARD**

Farmer's Name	: Sample 4	Soil Health Card No.	: 03	Irrigation Type	: Rainfed
Village Address	: Ambona	Survey No.	: -	Crop	: Arjun/Asan
District	: Bhagalpur	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	5.76		Acidic
2	EC	0.08	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.42	%	Low
4	Available Nitrogen (N)	96.66	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	3.40	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	100.80	kg ha <sup>-1</sup>	Low
7	Available Sulphur (S)	1.95	ppm	Low
8	Available Zinc (Zn)	0.37	ppm	Deficient
9	Available Boron (B)	0.56	ppm	Sufficient
10	Available Iron (Fe)	15.50	ppm	Sufficient
11	Available Manganese (Mn)	5.84	ppm	Sufficient
12	Available Copper (Cu)	0.37	ppm	Sufficient

**FERTILIZER RECOMMENDATION BASED ON SOIL TEST**

**Macronutrients**

Urea	:	326 kg/ha	(47 g/Tree)
Single Super Phosphate	:	469 kg/ha	(67 g/Tree)
Muriate of Potash	:	104 kg/ha	(15 g/Tree)

**Micronutrients (kg/ha)**

ZnSO <sub>4</sub>	Borax	FeSO <sub>4</sub>	MnSO <sub>4</sub>	CuSO <sub>4</sub>	S
25	Not Required	Not Required	Not Required	Not Required	15

**General Recommendation**

Organic Manure	Biofertilizer	Lime/Gypsum
12.5 t/ha	Azotobacter @ 20kg/ha along with 50 kg FYM	Lime @ 1125 kg/ha

Date of Soil Sample Received : 10-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	: Sample 5	Soil Health Card No.	: 04	Irrigation Type	: Rainfed
Village Address	: Barapagar	Survey No.	: -	Crop	: Arjun/Asan
District	: Bhagalpur	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.38		Acidic
2	EC	0.18	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.54	%	Medium
4	Available Nitrogen (N)	179.51	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	8.90	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	280.00	kg ha <sup>-1</sup>	High
7	Available Sulphur (S)	6.50	ppm	Low
8	Available Zinc (Zn)	0.55	ppm	Sufficient
9	Available Boron (B)	0.89	ppm	Sufficient
10	Available Iron (Fe)	17.10	ppm	Sufficient
11	Available Manganese (Mn)	9.89	ppm	Sufficient
12	Available Copper (Cu)	1.96	ppm	Sufficient

**FERTILIZER RECOMMENDATION BASED ON SOIL TEST**

**Macronutrients**

Urea	:	272 kg/ha	(39 g/Tree)
Single Super Phosphate	:	391 kg/ha	(56 g/Tree)
Muriate of Potash	:	62.5 kg/ha	(9 g/Tree)

**Secondary & Micronutrients (kg/ha)**

ZnSO <sub>4</sub>	Borax	FeSO <sub>4</sub>	MnSO <sub>4</sub>	CuSO <sub>4</sub>	S
Not Required	Not Required	Not Required	Not Required	Not Required	15

**General Recommendation**

Organic Manure	Biofertilizer	Lime/Gypsum
12.5 t/ha	Azotobacter @ 20kg/ha along with 50 kg FYM	Lime @ 1125 kg/ha

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**Nutrient Concentration of Leaf Sample, BSM&TC, Bhagalpur**

<b>S. No.</b>	<b>Farmer's Details</b>	<b>Nitrogen (%)</b>	<b>Phosphorus (%)</b>	<b>Potassium (%)</b>
1.	Ravindra Tudu, Mahadevghad	1.61	0.112	0.56
2.	Baiju Murmu, Badaphahar	1.38	0.098	0.42
3.	Nunulal Murmu, Ambona	1.53	0.076	0.71
4.	Shivlal Murmu, Akasi	1.29	0.137	0.63