



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	:	Departmental Rearing (DR)	Soil Health Card No.	:	21	Irrigation Type	:	Rainfed
Village Address	:	Multiplot, Medinipur	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Sundargarh	Area (ha)	:	-	Soil Type	:	-

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	5.48		Acidic
2	EC	0.11	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.39	%	Low
4	Available Nitrogen (N)	182.02	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	4.00	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	176.96	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	2.18	ppm	Low
8	Available Zinc (Zn)	1.11	ppm	Sufficient
9	Available Boron (B)	8.53	ppm	Sufficient
10	Available Iron (Fe)	2.24	ppm	Sufficient
11	Available Manganese (Mn)	12.60	ppm	Sufficient
12	Available Copper (Cu)	0.18	ppm	Deficient

FERTILIZER RECOMMENDATION BASED ON SOIL TEST

Macronutrients

Urea	:	272 kg/ha	(39 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	10	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 : 16-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	:	Departmental Rearing (DR)	Soil Health Card No.	:	22	Irrigation Type	:	Rainfed
Village Address	:	Chawki Garden	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Sundargarh	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	7.20		Neutral
2	EC	0.23	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.27	%	Low
4	Available Nitrogen (N)	104.19	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	5.90	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	203.84	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	4.45	ppm	Low
8	Available Zinc (Zn)	1.11	ppm	Sufficient
9	Available Boron (B)	0.91	ppm	Sufficient
10	Available Iron (Fe)	9.40	ppm	Sufficient
11	Available Manganese (Mn)	7.65	ppm	Sufficient
12	Available Copper (Cu)	0.18	ppm	Deficient

**FERTILIZER RECOMMENDATION BASED ON SOIL TEST**

**Macronutrients**

Urea	:	326 kg/ha	(47 g/Tree)
Single Super Phosphate	:	391 kg/ha	(56 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	10	15

**General Recommendation**

Organic Manure	Biofertilizer	Lime/Gypsum
12.5 t/ha	Azotobacter @ 20kg/ha along with 50 kg FYM	Not Required

Date of Soil Sample Received : 16-11-2017

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**SOIL HEALTH CARD**

Farmer's Name	: AR, Sample No. 01	Soil Health Card No.	: 23	Irrigation Type	: Rainfed
Village Address	: Kastuna Field	Survey No.	: -	Crop	: Arjun/Asan
District	: Sundargarh	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	4.96		Acidic
2	EC	0.05	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.21	%	Medium
4	Available Nitrogen (N)	86.62	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	8.10	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	225.12	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	6.50	ppm	Low
8	Available Zinc (Zn)	1.48	ppm	Sufficient
9	Available Boron (B)	7.49	ppm	Sufficient
10	Available Iron (Fe)	13.40	ppm	Sufficient
11	Available Manganese (Mn)	11.60	ppm	Sufficient
12	Available Copper (Cu)	0.09	ppm	Deficient

**FERTILIZER RECOMMENDATION BASED ON SOIL TEST**

**Macronutrients**

Urea	:	326 kg/ha	(47 g/Tree)
Single Super Phosphate	:	391 kg/ha	(56 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	10	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 : 16-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	: AR, Sample No. 02	Soil Health Card No.	: 24	Irrigation Type	: Rainfed
Village Address	: Kastuna Field	Survey No.	: -	Crop	: Arjun/Asan
District	: Sundargarh	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	5.40		Acidic
2	EC	0.05	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.48	%	Low
4	Available Nitrogen (N)	151.89	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	6.30	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	202.72	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	7.10	ppm	Low
8	Available Zinc (Zn)	1.29	ppm	Sufficient
9	Available Boron (B)	2.52	ppm	Sufficient
10	Available Iron (Fe)	14.40	ppm	Sufficient
11	Available Manganese (Mn)	13.50	ppm	Sufficient
12	Available Copper (Cu)	0.28	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	:	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

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

<b>S. No.</b>	<b>Farmer's Details</b>	<b>Nitrogen (%)</b>	<b>Phosphorus (%)</b>	<b>Potassium (%)</b>
1.	Departmental Rearing, Multi plot	1.22	0.180	0.52
2.	Departmental Rearing, Chawki Garden	1.69	0.127	0.71
3.	Adopted Rearing, Jandamora, Sample No. 01	1.18	0.094	0.42
4.	Adopted Rearing, Kastuna Field, Sample No. 04	1.32	0.147	0.49