



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 No. 01, Block 01 A	Soil Health Card No.	:	51	Irrigation Type	:	Rainfed
Village Address	:	Pendari Farm, Kota	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Bilaspur	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	7.30		Neutral
2	EC	0.25	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.24	%	Low
4	Available Nitrogen (N)	151.89	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	9.70	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	257.60	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	6.03	ppm	Low
8	Available Zinc (Zn)	0.48	ppm	Deficient
9	Available Boron (B)	6.30	ppm	Sufficient
10	Available Iron (Fe)	2.80	ppm	Deficient
11	Available Manganese (Mn)	1.83	ppm	Deficient
12	Available Copper (Cu)	0.37	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
25	Not Required	50	20	Not Required	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 : 22-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	:	Sample No. 01, Block 01 C	Soil Health Card No.	:	52	Irrigation Type	:	Rainfed
Village Address	:	Pendari Farm, Kota	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Bilaspur	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	7.18		Neutral
2	EC	0.32	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.39	%	Low
4	Available Nitrogen (N)	106.70	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	4.90	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	257.60	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	3.30	ppm	Low
8	Available Zinc (Zn)	0.37	ppm	Deficient
9	Available Boron (B)	8.35	ppm	Sufficient
10	Available Iron (Fe)	2.24	ppm	Deficient
11	Available Manganese (Mn)	0.45	ppm	Deficient
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	:	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
25	Not Required	50	20	Not Required	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 : 22-11-2017  
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**SOIL HEALTH CARD**

Farmer's Name	: Plot A2	Soil Health Card No.	: 53	Irrigation Type	: Rainfed
Village Address	: Amne Farm, CTSS, Kota	Survey No.	: -	Crop	: Arjun/Asan
District	: Bilaspur	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.20		Acidic
2	EC	0.10	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.54	%	Medium
4	Available Nitrogen (N)	139.34	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	6.40	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	202.72	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	4.85	ppm	Low
8	Available Zinc (Zn)	0.74	ppm	Sufficient
9	Available Boron (B)	5.59	ppm	Sufficient
10	Available Iron (Fe)	11.40	ppm	Sufficient
11	Available Manganese (Mn)	3.60	ppm	Sufficient
12	Available Copper (Cu)	2.05	ppm	Sufficient

**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	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 : 22-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	: Plot A3	Soil Health Card No.	: 54	Irrigation Type	: Rainfed
Village Address	: Amne Farm, CTSS, Kota	Survey No.	: -	Crop	: Arjun/Asan
District	: Bilaspur	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.38		Acidic
2	EC	0.12	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.69	%	Medium
4	Available Nitrogen (N)	118.00	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	4.80	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	203.84	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	3.30	ppm	Low
8	Available Zinc (Zn)	0.18	ppm	Deficient
9	Available Boron (B)	6.86	ppm	Sufficient
10	Available Iron (Fe)	16.70	ppm	Sufficient
11	Available Manganese (Mn)	2.25	ppm	Sufficient
12	Available Copper (Cu)	1.12	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
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 : 22-11-2017

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**Nutrient Concentration of Leaf Sample, BSM&TC, Kota, Bilaspur**

<b>S. No.</b>	<b>Farmer's Details</b>	<b>Nitrogen (%)</b>	<b>Phosphorus (%)</b>	<b>Potassium (%)</b>
1.	Pendari Farm, Plot 1A	1.39	0.081	1.08
2.	Pendari Farm, Block 1C	1.44	0.079	0.69
3.	Pendari Farm, Plot A2	1.28	0.085	0.77
4.	Pendari Farm, Plot A3	1.34	0.079	0.69