



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	:	DR, Plot No.01	Soil Health Card No.	:	55	Irrigation Type	:	Rainfed
Village Address	:	Saila Farm, Pali	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Korba (CG)	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.37		Acidic
2	EC	0.094	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.57	%	Medium
4	Available Nitrogen (N)	111.7	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	9.30	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	180.3	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	5.15	ppm	Low
8	Available Zinc (Zn)	0.18	ppm	Deficient
9	Available Boron (B)	3.14	ppm	Sufficient
10	Available Iron (Fe)	18.90	ppm	Sufficient
11	Available Manganese (Mn)	1.80	ppm	Deficient
12	Available Copper (Cu)	0.84	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
25	Not Required	Not Required	20	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 : 18-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	:	DR, Plot No. 05	Soil Health Card No.	:	56	Irrigation Type	:	Rainfed
Village Address	:	Saila Farm, Pali	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Korba (CG)	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.32		Acidic
2	EC	0.096	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.48	%	Low
4	Available Nitrogen (N)	123.0	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	3.30	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	203.8	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	6.68	ppm	Low
8	Available Zinc (Zn)	0.27	ppm	Deficient
9	Available Boron (B)	9.34	ppm	Sufficient
10	Available Iron (Fe)	19.00	ppm	Sufficient
11	Available Manganese (Mn)	7.65	ppm	Sufficient
12	Available Copper (Cu)	0.28	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 : 18-11-2017

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**SOIL HEALTH CARD**

Farmer's Name	: AR, Plot No. 02	Soil Health Card No.	: 57	Irrigation Type	: Rainfed
Village Address	: Tivarta Farm, Pali	Survey No.	: -	Crop	: Arjun/Asan
District	: Korba (CG)	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	5.23		Acidic
2	EC	0.046	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.33	%	Low
4	Available Nitrogen (N)	120.5	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	14.20	kg ha <sup>-1</sup>	Medium
6	Available Potassium (K)	191.5	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	4.50	ppm	Low
8	Available Zinc (Zn)	0.37	ppm	Deficient
9	Available Boron (B)	1.43	ppm	Sufficient
10	Available Iron (Fe)	15.70	ppm	Sufficient
11	Available Manganese (Mn)	6.30	ppm	Sufficient
12	Available Copper (Cu)	0.26	ppm	Sufficient

**FERTILIZER RECOMMENDATION BASED ON SOIL TEST**

**Macronutrients**

Urea	:	326 kg/ha	(47 g/Tree)
Single Super Phosphate	:	312 kg/ha	(45 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 : 18-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	: AR, Plot No.03	Soil Health Card No.	: 58	Irrigation Type	: Rainfed
Village Address	: Dhelvadih, Pali	Survey No.	: -	Crop	: Arjun/Asan
District	: Korba (CG)	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	5.28		Acidic
2	EC	0.063	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.33	%	Low
4	Available Nitrogen (N)	126.8	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	4.80	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	123.2	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	6.90	ppm	Low
8	Available Zinc (Zn)	0.44	ppm	Deficient
9	Available Boron (B)	6.11	ppm	Sufficient
10	Available Iron (Fe)	12.50	ppm	Sufficient
11	Available Manganese (Mn)	13.50	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	:	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	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

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Date of Soil Test Report : 28-12-2017

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

<b>S. No.</b>	<b>Farmer's Details</b>	<b>Nitrogen (%)</b>	<b>Phosphorus (%)</b>	<b>Potassium (%)</b>
1.	Departmental Rearing Field, Saila Farm	1.58	0.138	0.55
2.	Departmental Rearing Field, Saila Farm	1.49	0.162	0.71
3.	Adopted Rearing Field, Tivarta	1.11	0.128	0.58
4.	Adopted Rearing Field, Dhelvadih	1.32	0.097	0.42