



**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, Without Treatment	Soil Health Card No.	: 25	Irrigation Type	: Rainfed
Village Address	: Garra Field	Survey No.	: -	Crop	: Arjun/Asan
District	: Balaghat (MP)	Area (ha)	: -	Soil Type	: -

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	5.53		Acidic
2	EC	0.11	dS m ⁻¹	Good
3	Organic Carbon (OC)	0.27	%	Low
4	Available Nitrogen (N)	97.91	kg ha ⁻¹	Low
5	Available Phosphorus (P)	9.60	kg ha ⁻¹	Low
6	Available Potassium (K)	203.84	kg ha ⁻¹	Medium
7	Available Sulphur (S)	1.63	ppm	Low
8	Available Zinc (Zn)	1.66	ppm	Sufficient
9	Available Boron (B)	2.33	ppm	Sufficient
10	Available Iron (Fe)	10.50	ppm	Sufficient
11	Available Manganese (Mn)	2.70	ppm	Sufficient
12	Available Copper (Cu)	0.65	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 ₄	Borax	FeSO ₄	MnSO ₄	CuSO ₄	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 : 15-11-2017

Date of Soil Test Report : 28-12-2017



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SOIL HEALTH CARD

Farmer's Name	: DR, With Treatment	Soil Health Card No.	: 26	Irrigation Type	: Rainfed
Village Address	: Garra Field	Survey No.	: -	Crop	: Arjun/Asan
District	: Balaghat (MP)	Area (ha)	: -	Soil Type	: -

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	5.41		Acidic
2	EC	0.18	dS m ⁻¹	Good
3	Organic Carbon (OC)	0.48	%	Low
4	Available Nitrogen (N)	129.30	kg ha ⁻¹	Low
5	Available Phosphorus (P)	4.00	kg ha ⁻¹	Low
6	Available Potassium (K)	212.80	kg ha ⁻¹	Medium
7	Available Sulphur (S)	3.08	ppm	Low
8	Available Zinc (Zn)	0.74	ppm	Sufficient
9	Available Boron (B)	5.12	ppm	Sufficient
10	Available Iron (Fe)	20.70	ppm	Sufficient
11	Available Manganese (Mn)	9.45	ppm	Sufficient
12	Available Copper (Cu)	1.59	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 ₄	Borax	FeSO ₄	MnSO ₄	CuSO ₄	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 : 15-11-2017

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SOIL HEALTH CARD

Farmer's Name	: Sri Surendra Bisen (AR)	Soil Health Card No.	: 27	Irrigation Type	: Rainfed
Village Address	: Without Treat., Rengatola	Survey No.	: -	Crop	: Arjun/Asan
District	: Balaghat (MP)	Area (ha)	: -	Soil Type	: -

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	5.45		Acidic
2	EC	0.01	dS m ⁻¹	Good
3	Organic Carbon (OC)	0.93	%	Medium
4	Available Nitrogen (N)	86.62	kg ha ⁻¹	Low
5	Available Phosphorus (P)	5.90	kg ha ⁻¹	Low
6	Available Potassium (K)	203.84	kg ha ⁻¹	Medium
7	Available Sulphur (S)	2.70	ppm	Low
8	Available Zinc (Zn)	0.37	ppm	Deficient
9	Available Boron (B)	6.32	ppm	Sufficient
10	Available Iron (Fe)	23.60	ppm	Sufficient
11	Available Manganese (Mn)	13.90	ppm	Sufficient
12	Available Copper (Cu)	1.59	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 ₄	Borax	FeSO ₄	MnSO ₄	CuSO ₄	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 : 15-11-2017

Date of Soil Test Report : 28-12-2017



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SOIL HEALTH CARD

Farmer's Name	: Sri Dulichand Lade (AR)	Soil Health Card No.	: 28	Irrigation Type	: Rainfed
Village Address	: Without Treatment, Kera	Survey No.	: -	Crop	: Arjun/Asan
District	: Balaghat (MP)	Area (ha)	: -	Soil Type	: -

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.56		Neutral
2	EC	0.12	dS m ⁻¹	Good
3	Organic Carbon (OC)	0.54	%	Medium
4	Available Nitrogen (N)	87.87	kg ha ⁻¹	Low
5	Available Phosphorus (P)	10.00	kg ha ⁻¹	Medium
6	Available Potassium (K)	113.12	kg ha ⁻¹	Medium
7	Available Sulphur (S)	2.23	ppm	Low
8	Available Zinc (Zn)	0.18	ppm	Deficient
9	Available Boron (B)	2.57	ppm	Sufficient
10	Available Iron (Fe)	11.80	ppm	Sufficient
11	Available Manganese (Mn)	4.05	ppm	Sufficient
12	Available Copper (Cu)	1.87	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 ₄	Borax	FeSO ₄	MnSO ₄	CuSO ₄	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	Not Required

Date of Soil Sample Received : 15-11-2017

Date of Soil Test Report : 28-12-2017

Nutrient Concentration of Leaf Sample, BSM&TC, Balaghat (MP)

S. No.	Farmer's Details	Nitrogen (%)	Phosphorus (%)	Potassium (%)
1.	Departmental Rearing Field, Without Treatment, Garra	1.19	0.094	0.64
2.	Departmental Rearing Field, With Treatment, Garra	1.74	0.072	0.82
3.	Surendar Besan (AR), Rengatola, Without Treatment	1.27	0.076	0.53
4.	Shri Dulichand Lade (AR), With Treatment, Kera	1.33	0.063	0.44