



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.	:	09	Irrigation Type	:	Rainfed
Village Address	:	Bara, Kathikund	Survey No.	:	-	Crop	:	Arjun
District	:	Dumka	Area (ha)	:	-	Soil Type	:	-

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.20		Acidic
2	EC	0.12	dS m ⁻¹	Good
3	Organic Carbon (OC)	0.81	%	High
4	Available Nitrogen (N)	102.93	kg ha ⁻¹	Low
5	Available Phosphorus (P)	5.10	kg ha ⁻¹	Low
6	Available Potassium (K)	168.00	kg ha ⁻¹	Medium
7	Available Sulphur (S)	1.38	ppm	Low
8	Available Zinc (Zn)	1.29	ppm	Sufficient
9	Available Boron (B)	2.04	ppm	Sufficient
10	Available Iron (Fe)	19.70	ppm	Sufficient
11	Available Manganese (Mn)	16.30	ppm	Sufficient
12	Available Copper (Cu)	2.47	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 : 09-11-2017

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.	:	10	Irrigation Type	:	Rainfed
Village Address	:	Asan Pahari	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Dumka	Area (ha)	:	-	Soil Type	:	-

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.01		Acidic
2	EC	0.11	dS m ⁻¹	Good
3	Organic Carbon (OC)	0.42	%	Low
4	Available Nitrogen (N)	121.76	kg ha ⁻¹	Low
5	Available Phosphorus (P)	6.20	kg ha ⁻¹	Low
6	Available Potassium (K)	202.72	kg ha ⁻¹	Medium
7	Available Sulphur (S)	5.33	ppm	Low
8	Available Zinc (Zn)	0.92	ppm	Sufficient
9	Available Boron (B)	0.39	ppm	Deficient
10	Available Iron (Fe)	16.20	ppm	Sufficient
11	Available Manganese (Mn)	12.70	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 ₄	Borax	FeSO ₄	MnSO ₄	CuSO ₄	S
Not Required	10	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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SOIL HEALTH CARD

Farmer's Name	: Shri Somai Murmu	Soil Health Card No.	: 11	Irrigation Type	: Rainfed
Village Address	: Asan Bani	Survey No.	: -	Crop	: Arjun/Asan
District	: Dumka	Area (ha)	: -	Soil Type	: -

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.37		Acidic
2	EC	0.12	dS m ⁻¹	Good
3	Organic Carbon (OC)	1.08	%	High
4	Available Nitrogen (N)	116.74	kg ha ⁻¹	Low
5	Available Phosphorus (P)	7.40	kg ha ⁻¹	Low
6	Available Potassium (K)	268.80	kg ha ⁻¹	Medium
7	Available Sulphur (S)	3.80	ppm	Low
8	Available Zinc (Zn)	3.70	ppm	Sufficient
9	Available Boron (B)	0.91	ppm	Sufficient
10	Available Iron (Fe)	18.80	ppm	Sufficient
11	Available Manganese (Mn)	14.40	ppm	Sufficient
12	Available Copper (Cu)	1.21	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 : 09-11-2017

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SOIL HEALTH CARD

Farmer's Name	: Shri Mangal Murmu	Soil Health Card No.	: 12	Irrigation Type	: Rainfed
Village Address	: Dhankutta	Survey No.	: -	Crop	: Arjun/Asan
District	: Dumka	Area (ha)	: -	Soil Type	: -

SOIL TEST RESULTS

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.13		Acidic
2	EC	0.10	dS m ⁻¹	Good
3	Organic Carbon (OC)	0.93	%	High
4	Available Nitrogen (N)	105.45	kg ha ⁻¹	Low
5	Available Phosphorus (P)	2.20	kg ha ⁻¹	Low
6	Available Potassium (K)	315.84	kg ha ⁻¹	High
7	Available Sulphur (S)	4.45	ppm	Low
8	Available Zinc (Zn)	1.48	ppm	Sufficient
9	Available Boron (B)	2.57	ppm	Sufficient
10	Available Iron (Fe)	21.80	ppm	Sufficient
11	Available Manganese (Mn)	22.00	ppm	Sufficient
12	Available Copper (Cu)	1.21	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	:	62.5 kg/ha (9 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

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Nutrient Concentration of Leaf Sample, BSM&TC, Kathikund

S. No.	Farmer's Details	Nitrogen (%)	Phosphorus (%)	Potassium (%)
1.	Departmental Rearing 1, Plot No. 02, Sample No.2, <i>Terminalia arjuna</i>	1.73	0.180	0.59
2.	Departmental Rearing 2, Sample No.2, <i>Terminalia</i> <i>tomentosa</i>	1.82	0.163	0.78
3.	Mangal Murmu (AR), Sample No. 03, Dhankutta	1.47	0.169	0.69
4.	Somai Murmu (AR), Sample No. 03, Asan Bani	1.66	0.108	0.47