



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 Patch, Sample 02	Soil Health Card No.	:	36	Irrigation Type	:	Rainfed
Village Address	:	Mudimiyal Patch, Narsapur	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Medak (TG)	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	7.81		Alkaline
2	EC	0.41	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.99	%	High
4	Available Nitrogen (N)	130.55	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	7.40	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	162.40	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	6.10	ppm	Low
8	Available Zinc (Zn)	1.28	ppm	Sufficient
9	Available Boron (B)	8.37	ppm	Sufficient
10	Available Iron (Fe)	4.70	ppm	Sufficient
11	Available Manganese (Mn)	2.70	ppm	Sufficient
12	Available Copper (Cu)	3.93	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	Not Required

Date of Soil Sample Received : 20-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	:	DR Patch, Sample 03	Soil Health Card No.	:	37	Irrigation Type	:	Rainfed
Village Address	:	Narayanpur Patch, Narsapur	Survey No.	:	-	Crop	:	Arjun/Asan
District	:	Medak (TG)	Area (ha)	:	-	Soil Type	:	-

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.54		Acidic
2	EC	0.22	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.27	%	Low
4	Available Nitrogen (N)	119.25	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	9.60	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	180.32	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	4.03	ppm	Low
8	Available Zinc (Zn)	0.52	ppm	Deficient
9	Available Boron (B)	3.89	ppm	Sufficient
10	Available Iron (Fe)	6.38	ppm	Sufficient
11	Available Manganese (Mn)	3.60	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 <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	Not Required

Date of Soil Sample Received : 20-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	: AR Patch, Sample 01	Soil Health Card No.	: 38	Irrigation Type	: Rainfed
Village Address	: Veerapur Patch, Narsapur	Survey No.	: -	Crop	: Arjun/Asan
District	: Medak (TG)	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	7.05		Neutral
2	EC	0.28	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.39	%	Low
4	Available Nitrogen (N)	96.66	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	9.64	kg ha <sup>-1</sup>	Low
6	Available Potassium (K)	113.12	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	5.03	ppm	Low
8	Available Zinc (Zn)	1.10	ppm	Sufficient
9	Available Boron (B)	4.27	ppm	Sufficient
10	Available Iron (Fe)	7.05	ppm	Sufficient
11	Available Manganese (Mn)	2.70	ppm	Sufficient
12	Available Copper (Cu)	1.31	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	Not Required

Date of Soil Sample Received : 20-11-2017

Date of Soil Test Report : 28-12-2017



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**SOIL HEALTH CARD**

Farmer's Name	: AR Patch, Sample 06	Soil Health Card No.	: 39	Irrigation Type	: Rainfed
Village Address	: Veerapur Patch, Narsapur	Survey No.	: -	Crop	: Arjun/Asan
District	: Medak (TG)	Area (ha)	: -	Soil Type	: -

**SOIL TEST RESULTS**

S.No.	Parameters	Test Value	Unit	Rating
1	pH	6.23		Acidic
2	EC	0.10	dS m <sup>-1</sup>	Good
3	Organic Carbon (OC)	0.36	%	Low
4	Available Nitrogen (N)	148.13	kg ha <sup>-1</sup>	Low
5	Available Phosphorus (P)	18.30	kg ha <sup>-1</sup>	Medium
6	Available Potassium (K)	191.52	kg ha <sup>-1</sup>	Medium
7	Available Sulphur (S)	8.03	ppm	Low
8	Available Zinc (Zn)	0.89	ppm	Sufficient
9	Available Boron (B)	3.25	ppm	Sufficient
10	Available Iron (Fe)	12.90	ppm	Sufficient
11	Available Manganese (Mn)	7.20	ppm	Sufficient
12	Available Copper (Cu)	1.40	ppm	Sufficient

**FERTILIZER RECOMMENDATION BASED ON SOIL TEST**

**Macronutrients**

Urea	:	272 kg/ha	(39 g/Tree)
Single Super Phosphate	:	234 kg/ha	(34 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 : 20-11-2017

Date of Soil Test Report : 28-12-2017

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

<b>S. No.</b>	<b>Farmer's Details</b>	<b>Nitrogen (%)</b>	<b>Phosphorus (%)</b>	<b>Potassium (%)</b>
1.	A1 Departmental Rearing, Narayanpur Patch	1.44	0.047	0.49
2.	B1 Departmental Rearing, Mudimiyal Patch	1.32	0.085	0.57
3.	C1 Adopted Rearing, Veerapur Patch	1.15	0.080	0.41