



**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 Farm (01) | Soil Health Card No. | : | 32 | Irrigation Type | : | Rainfed |
| Village Address | : | Ellakkapet, Chinnoor | Survey No. | : | - | Crop | : | Arjun/Asan |
| District | : | Mancherial (TG) | Area (ha) | : | - | Soil Type | : | - |

SOIL TEST RESULTS

| S.No. | Parameters | Test Value | Unit | Rating |
|-------|--------------------------|------------|---------------------|------------|
| 1 | pH | 5.80 | | Acidic |
| 2 | EC | 0.12 | dS m ⁻¹ | Good |
| 3 | Organic Carbon (OC) | 0.60 | % | Medium |
| 4 | Available Nitrogen (N) | 92.89 | kg ha ⁻¹ | Low |
| 5 | Available Phosphorus (P) | 18.00 | kg ha ⁻¹ | Medium |
| 6 | Available Potassium (K) | 202.72 | kg ha ⁻¹ | Medium |
| 7 | Available Sulphur (S) | 3.08 | ppm | Low |
| 8 | Available Zinc (Zn) | 0.49 | ppm | Deficient |
| 9 | Available Boron (B) | 2.57 | ppm | Sufficient |
| 10 | Available Iron (Fe) | 9.96 | ppm | Sufficient |
| 11 | Available Manganese (Mn) | 3.60 | 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 | : | 234 kg/ha | (34 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 : 21-11-2017

Date of Soil Test Report : 28-12-2017



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SOIL HEALTH CARD

| | | | | | | | | |
|-----------------|---|------------------------|----------------------|---|----|-----------------|---|------------|
| Farmer's Name | : | Departmental Farm (03) | Soil Health Card No. | : | 33 | Irrigation Type | : | Rainfed |
| Village Address | : | Ellakkapet, Chinnoor | Survey No. | : | - | Crop | : | Arjun/Asan |
| District | : | Mancherial (TG) | Area (ha) | : | - | Soil Type | : | - |

SOIL TEST RESULTS

| S.No. | Parameters | Test Value | Unit | Rating |
|-------|--------------------------|------------|---------------------|------------|
| 1 | pH | 5.48 | | Acidic |
| 2 | EC | 0.08 | dS m ⁻¹ | Good |
| 3 | Organic Carbon (OC) | 0.36 | % | Low |
| 4 | Available Nitrogen (N) | 84.11 | kg ha ⁻¹ | Low |
| 5 | Available Phosphorus (P) | 4.90 | kg ha ⁻¹ | Low |
| 6 | Available Potassium (K) | 213.92 | kg ha ⁻¹ | Medium |
| 7 | Available Sulphur (S) | 3.30 | ppm | Low |
| 8 | Available Zinc (Zn) | 0.18 | ppm | Deficient |
| 9 | Available Boron (B) | 9.31 | ppm | Sufficient |
| 10 | Available Iron (Fe) | 10.80 | ppm | Sufficient |
| 11 | Available Manganese (Mn) | 2.25 | ppm | Sufficient |
| 12 | Available Copper (Cu) | 0.18 | 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 ₄ | Borax | FeSO ₄ | MnSO ₄ | CuSO ₄ | 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 |

Date of Soil Sample Received : 21-11-2017

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SOIL HEALTH CARD

| | | | | | |
|-----------------|-----------------------|----------------------|------|-----------------|--------------|
| Farmer's Name | : AR Field (02) | Soil Health Card No. | : 34 | Irrigation Type | : Rainfed |
| Village Address | : Mulkalpet, Chinnoor | Survey No. | : - | Crop | : Arjun/Asan |
| District | : Mancherial (TG) | Area (ha) | : - | Soil Type | : - |

SOIL TEST RESULTS

| S.No. | Parameters | Test Value | Unit | Rating |
|-------|--------------------------|------------|---------------------|------------|
| 1 | pH | 7.65 | | Alkaline |
| 2 | EC | 0.52 | dS m ⁻¹ | Good |
| 3 | Organic Carbon (OC) | 1.38 | % | High |
| 4 | Available Nitrogen (N) | 138.08 | kg ha ⁻¹ | Low |
| 5 | Available Phosphorus (P) | 8.50 | kg ha ⁻¹ | Low |
| 6 | Available Potassium (K) | 145.60 | kg ha ⁻¹ | Medium |
| 7 | Available Sulphur (S) | 9.73 | ppm | Low |
| 8 | Available Zinc (Zn) | 0.71 | ppm | Sufficient |
| 9 | Available Boron (B) | 8.55 | ppm | Sufficient |
| 10 | Available Iron (Fe) | 4.25 | ppm | Deficient |
| 11 | Available Manganese (Mn) | 3.15 | 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 | 50 | 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 : 21-11-2017

Date of Soil Test Report : 28-12-2017



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SOIL HEALTH CARD

| | | | | | |
|-----------------|-----------------------|----------------------|------|-----------------|--------------|
| Farmer's Name | : AR Field (03) | Soil Health Card No. | : 35 | Irrigation Type | : Rainfed |
| Village Address | : Mulkalpet, Chinnoor | Survey No. | : - | Crop | : Arjun/Asan |
| District | : Mancherial (TG) | Area (ha) | : - | Soil Type | : - |

SOIL TEST RESULTS

| S.No. | Parameters | Test Value | Unit | Rating |
|-------|--------------------------|------------|---------------------|------------|
| 1 | pH | 6.56 | | Neutral |
| 2 | EC | 1.10 | dS m ⁻¹ | Good |
| 3 | Organic Carbon (OC) | 0.48 | % | Low |
| 4 | Available Nitrogen (N) | 101.68 | kg ha ⁻¹ | Low |
| 5 | Available Phosphorus (P) | 7.30 | kg ha ⁻¹ | Low |
| 6 | Available Potassium (K) | 280.00 | kg ha ⁻¹ | High |
| 7 | Available Sulphur (S) | 9.70 | ppm | Low |
| 8 | Available Zinc (Zn) | 0.62 | ppm | Sufficient |
| 9 | Available Boron (B) | 5.16 | ppm | Sufficient |
| 10 | Available Iron (Fe) | 6.71 | ppm | Sufficient |
| 11 | Available Manganese (Mn) | 3.60 | ppm | Sufficient |
| 12 | Available Copper (Cu) | 4.77 | 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 | (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 | Not Required |

Date of Soil Sample Received : 21-11-2017

Date of Soil Test Report : 28-12-2017

Nutrient Concentration of Leaf Sample, BSM&TC, Chinnoor

| S. No. | Farmer's Details | Nitrogen (%) | Phosphorus (%) | Potassium (%) |
|---------------|---|---------------------|-----------------------|----------------------|
| 1. | Departmental Farm, Sample 01, Ellakkapet | 1.68 | 0.068 | 0.42 |
| 2. | Departmental Farm, Sample 03, Ellakkapet | 1.53 | 0.132 | 0.53 |
| 3. | Adopted Farm Field, Sample 02, Mulkapet | 1.32 | 0.132 | 0.67 |
| 4. | Adopted Farm Field, Sample 03, Mulkapet | 1.41 | 0.127 | 0.42 |