



CENTRAL SILK BOARD

Ministry of Textiles-
Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Somlal Besra

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 242211708398

Mobile Number:

Soil Sample Details

Soil Sample Number: 01

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.75 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.76 | | Neutral |
| 2 | EC | 0.054 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.86 | % | H |
| 4 | Available Nitrogen (N) | 101.7 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 9.3 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 303.5 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 10.08 | ppm | M |
| 8 | Available Zinc (Zn) | 2.45 | ppm | S |
| 9 | Available Boron (B) | 0.93 | ppm | S |
| 10 | Available Iron (Fe) | 31.54 | ppm | S |
| 11 | Available Manganese (Mn) | 84.12 | ppm | S |
| 12 | Available Copper (Cu) | 1.62 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 01

Name of farmer : Somlal Besra

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 245 kg | DAP: 102 kg |
| 2 | Zinc (Zn) | | | | | SSP: 293 kg | Urea: 205 kg |
| 3 | Boron (B) | | | | | MOP: 47 kg | MOP: 47 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 9.3 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Talakuri Tudu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 556290793888

Mobile Number:

Soil Sample Details

Soil Sample Number: 02

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.80 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.21 | | Neutral |
| 2 | EC | 0.053 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.73 | % | M |
| 4 | Available Nitrogen (N) | 198.3 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 7.2 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 191.5 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 8.48 | ppm | L |
| 8 | Available Zinc (Zn) | 1.90 | ppm | S |
| 9 | Available Boron (B) | 0.69 | ppm | S |
| 10 | Available Iron (Fe) | 17.02 | ppm | S |
| 11 | Available Manganese (Mn) | 52.77 | ppm | S |
| 12 | Available Copper (Cu) | 0.96 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 02

Name of farmer : Talakuri Tudu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 218 kg | DAP: 109 kg |
| 2 | Zinc (Zn) | | | | | SSP: 312 kg | Urea: 175 kg |
| 3 | Boron (B) | | | | | MOP: 67 kg | MOP: 67 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 10.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Muni Hansdah

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 995961789206

Mobile Number:

Soil Sample Details

Soil Sample Number: 03

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.15 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.30 | | Neutral |
| 2 | EC | 0.053 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.81 | % | H |
| 4 | Available Nitrogen (N) | 148.1 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 2.60 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 194.9 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 13.53 | ppm | M |
| 8 | Available Zinc (Zn) | 1.72 | ppm | S |
| 9 | Available Boron (B) | 0.57 | ppm | S |
| 10 | Available Iron (Fe) | 10.86 | ppm | S |
| 11 | Available Manganese (Mn) | 27.81 | ppm | S |
| 12 | Available Copper (Cu) | 0.62 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 03

Name of farmer : Muni Hansdah

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 313 kg | DAP: 188 kg |
| 2 | Zinc (Zn) | | | | | SSP: 539 kg | Urea: 239 kg |
| 3 | Boron (B) | | | | | MOP: 96 kg | MOP: 96 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 14.3 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Biram Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 570339558574

Mobile Number:

Soil Sample Details

Soil Sample Number: 04

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.60 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.16 | | Neutral |
| 2 | EC | 0.039 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.67 | % | M |
| 4 | Available Nitrogen (N) | 113.0 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.0 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 114.2 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 12.98 | ppm | M |
| 8 | Available Zinc (Zn) | 1.44 | ppm | S |
| 9 | Available Boron (B) | 0.49 | ppm | D |
| 10 | Available Iron (Fe) | 19.80 | ppm | S |
| 11 | Available Manganese (Mn) | 27.92 | ppm | S |
| 12 | Available Copper (Cu) | 1.15 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 04

Name of farmer : Biram Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 196 kg | DAP: 98 kg |
| 2 | Zinc (Zn) | | | | | SSP: 281 kg | Urea: 157 kg |
| 3 | Boron (B) | 13 kg | | | | MOP: 50 kg | MOP: 50 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 7.5 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Takur Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 615871750045

Mobile Number: 7739965427

Soil Sample Details

Soil Sample Number: 05

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.10 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.3 | | Neutral |
| 2 | EC | 0.047 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.41 | % | L |
| 4 | Available Nitrogen (N) | 92.9 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.80 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 200.5 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 10.33 | ppm | M |
| 8 | Available Zinc (Zn) | 1.68 | ppm | S |
| 9 | Available Boron (B) | 0.61 | ppm | S |
| 10 | Available Iron (Fe) | 18.08 | ppm | S |
| 11 | Available Manganese (Mn) | 84.58 | ppm | S |
| 12 | Available Copper (Cu) | 0.79 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 05

Name of farmer : Takur Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 359 kg | DAP: 180 kg |
| 2 | Zinc (Zn) | | | | | SSP: 516 kg | Urea: 289 kg |
| 3 | Boron (B) | | | | | MOP: 92 kg | MOP: 92 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 14.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Manjhli Hembram

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 340234671109

Mobile Number: 7250639357

Soil Sample Details

Soil Sample Number: 06

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.95 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.92 | | Neutral |
| 2 | EC | 0.050 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.75 | % | M |
| 4 | Available Nitrogen (N) | 160.6 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 6.10 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 351.7 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 11.8 | ppm | M |
| 8 | Available Zinc (Zn) | 1.97 | ppm | S |
| 9 | Available Boron (B) | 0.47 | ppm | B |
| 10 | Available Iron (Fe) | 13.86 | ppm | S |
| 11 | Available Manganese (Mn) | 31.69 | ppm | S |
| 12 | Available Copper (Cu) | 0.87 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 06

Name of farmer : Manjhli Hembram

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 258 kg | DAP: 130 kg |
| 2 | Zinc (Zn) | | | | | SSP: 371 kg | Urea: 208 kg |
| 3 | Boron (B) | 20 kg | | | | MOP: 59 kg | MOP: 60 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 11.2 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Aarti Devi

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 528055414446

Mobile Number: 9162642441

Soil Sample Details

Soil Sample Number: 07

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.05 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.89 | | Neutral |
| 2 | EC | 0.015 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.43 | % | L |
| 4 | Available Nitrogen (N) | 155.6 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 10.0 | Kg ha ⁻¹ | M |
| 6 | Available Potassium (K) | 347.2 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 12.88 | ppm | M |
| 8 | Available Zinc (Zn) | 1.90 | ppm | S |
| 9 | Available Boron (B) | 0.52 | ppm | S |
| 10 | Available Iron (Fe) | 16.62 | ppm | S |
| 11 | Available Manganese (Mn) | 19.40 | ppm | S |
| 12 | Available Copper (Cu) | 0.73 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 07

Name of farmer : Aarti Devi

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 285 kg | DAP: 114 kg |
| 2 | Zinc (Zn) | | | | | SSP: 328 kg | Urea: 241 kg |
| 3 | Boron (B) | | | | | MOP: 66 kg | MOP: 66 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 12.5 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Ministry of Textiles-
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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Takur Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 615871750045

Mobile Number:

Soil Sample Details

Soil Sample Number: 08

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.65 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.70 | | Neutral |
| 2 | EC | 0.081 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.93 | % | H |
| 4 | Available Nitrogen (N) | 180.8 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 8.10 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 392.0 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 12.03 | ppm | M |
| 8 | Available Zinc (Zn) | 1.99 | ppm | S |
| 9 | Available Boron (B) | 0.58 | ppm | S |
| 10 | Available Iron (Fe) | 19.18 | ppm | S |
| 11 | Available Manganese (Mn) | 19.82 | ppm | S |
| 12 | Available Copper (Cu) | 0.82 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 08

Name of farmer : Takur Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 177 kg | DAP: 88 kg |
| 2 | Zinc (Zn) | | | | | SSP: 254 kg | Urea: 142 kg |
| 3 | Boron (B) | | | | | MOP: 41 kg | MOP: 41 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 8.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Panmuni Marandi

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 515153845356

Mobile Number:

Soil Sample Details

Soil Sample Number: 09

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.85 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.85 | | Neutral |
| 2 | EC | 0.037 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.64 | % | M |
| 4 | Available Nitrogen (N) | 215.9 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 4.40 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 590.2 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 16.55 | ppm | M |
| 8 | Available Zinc (Zn) | 2.23 | ppm | S |
| 9 | Available Boron (B) | 0.68 | ppm | S |
| 10 | Available Iron (Fe) | 8.62 | ppm | S |
| 11 | Available Manganese (Mn) | 22.20 | ppm | S |
| 12 | Available Copper (Cu) | 1.05 | ppm | S |

Central Tasar Research and Training
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Soil Health Card



Soil Health Card No.: 09

Name of farmer : Panmuni Marandi

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 231 kg | DAP: 140 kg |
| 2 | Zinc (Zn) | | | | | SSP: 398 kg | Urea: 177 kg |
| 3 | Boron (B) | | | | | MOP: 35 kg | MOP: 35 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 10.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name Babua Murmu

Address

Village Salaiya

Sub-District Katoria

District Banka

PIN 813106

Aadhaar Number 594891614777

Mobile Number

Soil Sample Details

Soil Sample Number 10

Sample Collected on 24-06-2016

Survey No. -

Khasra No. / Dag No -

Farm Size 0.90 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude : 80° 42'E

Irrigated / ainfed Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.92 | | Neutral |
| 2 | EC | 0.050 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.51 | % | M |
| 4 | Available Nitrogen (N) | 155.6 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 5.90 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 185.1 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 11.35 | ppm | M |
| 8 | Available Zinc (Zn) | 1.61 | ppm | S |
| 9 | Available Boron (B) | 0.62 | ppm | S |
| 10 | Available Iron (Fe) | 26.28 | ppm | S |
| 11 | Available Manganese (Mn) | 60.54 | ppm | S |
| 12 | Available Copper (Cu) | 0.73 | ppm | S |

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Soil Health Card



Soil Health Card No.: 10

Name of farmer : Babua Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 245 kg | DAP: 122 kg |
| 2 | Zinc (Zn) | | | | | SSP: 352 kg | Urea: 196 kg |
| 3 | Boron (B) | | | | | MOP: 75 kg | MOP: 75 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 11.3 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Talamay Tudu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 510011176415

Mobile Number: 9931289243

Soil Sample Details

Soil Sample Number: 11

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.15 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.98 | | Neutral |
| 2 | EC | 0.045 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.47 | % | L |
| 4 | Available Nitrogen (N) | 159.4 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 4.40 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 193.0 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 20.53 | ppm | H |
| 8 | Available Zinc (Zn) | 1.23 | ppm | S |
| 9 | Available Boron (B) | 0.57 | ppm | S |
| 10 | Available Iron (Fe) | 6.96 | ppm | S |
| 11 | Available Manganese (Mn) | 15.10 | ppm | S |
| 12 | Available Copper (Cu) | 0.28 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 11

Name of farmer : Talamay Tudu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 313 kg | DAP: 188 kg |
| 2 | Zinc (Zn) | | | | | SSP: 539 kg | Urea: 240 kg |
| 3 | Boron (B) | | | | | MOP: 96 kg | MOP: 96 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 14.37 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name Bablu Hembram

Address

Village Salaiya

Sub-District Katoria

District Banka

PIN 813106

Aadhaar Number

Mobile Number

Soil Sample Details

Soil Sample Number 12

Sample Collected on 24-06-2016

Survey No. -

Khasra No. / Dag No -

Farm Size 1.20 ha

Geo Position (GPS)

Latitude: 23° 46'N

Longitude : 80° 42'E

Irrigated / ainfed

Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.88 | | Neutral |
| 2 | EC | 0.038 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.51 | % | M |
| 4 | Available Nitrogen (N) | 158.2 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 32.60 | Kg ha ⁻¹ | H |
| 6 | Available Potassium (K) | 240.8 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 12.15 | ppm | M |
| 8 | Available Zinc (Zn) | 1.82 | ppm | S |
| 9 | Available Boron (B) | 0.74 | ppm | S |
| 10 | Available Iron (Fe) | 18.00 | ppm | S |
| 11 | Available Manganese (Mn) | 30.72 | ppm | S |
| 12 | Available Copper (Cu) | 0.74 | ppm | S |

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Soil Health Card



Soil Health Card No.: 12

Name of farmer : Bablu Hembram

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 326 kg | DAP: 65 kg |
| 2 | Zinc (Zn) | | | | | SSP: 188 kg | Urea: 301 kg |
| 3 | Boron (B) | | | | | MOP: 100 kg | MOP: 100 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 15.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Sonalal Besra

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 908312520822

Mobile Number: 9162642441

Soil Sample Details

Soil Sample Number: 13

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.65 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.63 | | Neutral |
| 2 | EC | 0.13 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.93 | % | H |
| 4 | Available Nitrogen (N) | 164.4 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 18.20 | Kg ha ⁻¹ | M |
| 6 | Available Potassium (K) | 141.1 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 10.43 | ppm | M |
| 8 | Available Zinc (Zn) | 1.47 | ppm | S |
| 9 | Available Boron (B) | 0.91 | ppm | S |
| 10 | Available Iron (Fe) | 29.62 | ppm | S |
| 11 | Available Manganese (Mn) | 83.80 | ppm | S |
| 12 | Available Copper (Cu) | 1.49 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 13

Name of farmer : Sonalal Besra

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 177 kg | DAP: 53 kg |
| 2 | Zinc (Zn) | | | | | SSP: 152 kg | Urea: 156 kg |
| 3 | Boron (B) | | | | | MOP: 54 kg | MOP: 54 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 8.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Ajit Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 503247511308

Mobile Number: 8291373019

Soil Sample Details

Soil Sample Number: 14

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.80 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.79 | | Neutral |
| 2 | EC | 0.06 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.84 | % | H |
| 4 | Available Nitrogen (N) | 174.5 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 6.90 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 245.3 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 8.80 | ppm | L |
| 8 | Available Zinc (Zn) | 1.45 | ppm | S |
| 9 | Available Boron (B) | 0.68 | ppm | S |
| 10 | Available Iron (Fe) | 35.72 | ppm | S |
| 11 | Available Manganese (Mn) | 54.21 | ppm | S |
| 12 | Available Copper (Cu) | 1.26 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 14

Name of farmer : Ajit Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 20 kg | | Arjun | 34 t/ha | Urea: 217 kg | DAP: 109 kg |
| 2 | Zinc (Zn) | | | | | SSP: 312 kg | Urea: 175 kg |
| 3 | Boron (B) | | | | | MOP: 67 kg | MOP: 67 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 10.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Santlal Besra

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 418487373821

Mobile Number:

Soil Sample Details

Soil Sample Number: 15

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.25 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.62 | | Neutral |
| 2 | EC | 0.02 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.44 | % | L |
| 4 | Available Nitrogen (N) | 180.8 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 6.80 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 227.4 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 12.48 | ppm | M |
| 8 | Available Zinc (Zn) | 1.82 | ppm | S |
| 9 | Available Boron (B) | 0.62 | ppm | S |
| 10 | Available Iron (Fe) | 16.40 | ppm | S |
| 11 | Available Manganese (Mn) | 40.87 | ppm | S |
| 12 | Available Copper (Cu) | 0.57 | ppm | S |

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Soil Health Card



Soil Health Card No.: 15

Name of farmer : Santlal Besra

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 339 kg | DAP: 170 kg |
| 2 | Zinc (Zn) | | | | | SSP: 488 kg | Urea: 273 kg |
| 3 | Boron (B) | | | | | MOP: 104 kg | MOP: 104 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 15.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Marangmay Hansdah

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 347800956645

Mobile Number:

Soil Sample Details

Soil Sample Number: 16

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.10 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.73 | | Neutral |
| 2 | EC | 0.03 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.66 | % | M |
| 4 | Available Nitrogen (N) | 165.7 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.10 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 218.4 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 9.13 | ppm | L |
| 8 | Available Zinc (Zn) | 1.79 | ppm | S |
| 9 | Available Boron (B) | 0.75 | ppm | S |
| 10 | Available Iron (Fe) | 17.68 | ppm | S |
| 11 | Available Manganese (Mn) | 52.09 | ppm | S |
| 12 | Available Copper (Cu) | 0.81 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 16

Name of farmer : Marangmay Hansdah

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 299 kg | DAP: 179 kg |
| 2 | Zinc (Zn) | | | | | SSP: 516 kg | Urea: 229 kg |
| 3 | Boron (B) | | | | | MOP: 92 kg | MOP: 92 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 13.7 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Muni Soren

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 506470179213

Mobile Number: 9934137919

Soil Sample Details

Soil Sample Number: 17

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.65 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.84 | | Neutral |
| 2 | EC | 0.02 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.54 | % | M |
| 4 | Available Nitrogen (N) | 168.2 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.10 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 95.2 | Kg ha ⁻¹ | L |
| 7 | Available Sulphur (S) | 8.00 | ppm | L |
| 8 | Available Zinc (Zn) | 1.72 | ppm | S |
| 9 | Available Boron (B) | 0.59 | ppm | S |
| 10 | Available Iron (Fe) | 21.60 | ppm | S |
| 11 | Available Manganese (Mn) | 78.17 | ppm | S |
| 12 | Available Copper (Cu) | 0.63 | ppm | S |

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Soil Health Card



Soil Health Card No.: 17

Name of farmer : Muni Soren

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 16.25 kg | | Arjun | 34 t/ha | Urea: 177 kg | DAP: 106 kg |
| 2 | Zinc (Zn) | | | | | SSP: 305 kg | Urea: 135 kg |
| 3 | Boron (B) | | | | | MOP: 68 kg | MOP: 68 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 8.12 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Paku Hansdah

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 549015886684

Mobile Number:

Soil Sample Details

Soil Sample Number: 19

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.85 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|--------|
| 1 | pH | 6.41 | | Acid |
| 2 | EC | 0.05 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.15 | % | H |
| 4 | Available Nitrogen (N) | 184.5 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 8.20 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 220.6 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 13.28 | ppm | M |
| 8 | Available Zinc (Zn) | 0.83 | ppm | S |
| 9 | Available Boron (B) | 0.75 | ppm | S |
| 10 | Available Iron (Fe) | 20.44 | ppm | S |
| 11 | Available Manganese (Mn) | 46.75 | ppm | S |
| 12 | Available Copper (Cu) | 1.11 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 19

Name of farmer : Paku Hansdah

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 231 kg | DAP: 115 kg |
| 2 | Zinc (Zn) | | | | | SSP: 332 kg | Urea: 186 kg |
| 3 | Boron (B) | | | | | MOP: 71 kg | MOP: 71 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 10.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name Mahamuni Hembram

Address

Village Tetariya

Sub-District Katoria

District Banka

PIN 813106

Aadhaar Number 818947745129

Mobile Number 8969708594

Soil Sample Details

Soil Sample Number 21

Sample Collected on 23-06-2016

Survey No. -

Khasra No. / Dag No -

Farm Size 1.05 ha

Geo Position (GPS)
Latitude: 23° 77'N
Longitude : 86° 82'E

Irrigated / ainfed Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.05 | | Neutral |
| 2 | EC | 0.06 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.78 | % | H |
| 4 | Available Nitrogen (N) | 183.3 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.60 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 136.6 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 11.05 | ppm | M |
| 8 | Available Zinc (Zn) | 5.19 | ppm | S |
| 9 | Available Boron (B) | 0.59 | ppm | S |
| 10 | Available Iron (Fe) | 31.34 | ppm | S |
| 11 | Available Manganese (Mn) | 77.18 | ppm | S |
| 12 | Available Copper (Cu) | 1.17 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 21

Name of farmer : Mahamuni Hembram

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 285 kg | DAP: 171 kg |
| 2 | Zinc (Zn) | | | | | SSP: 492 kg | Urea: 218 kg |
| 3 | Boron (B) | | | | | MOP: 87 kg | MOP: 87 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 13.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Sonalal Hembram

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 798918358481

Mobile Number:

Soil Sample Details

Soil Sample Number: 28

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.15 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.04 | | Neutral |
| 2 | EC | 0.04 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.03 | % | H |
| 4 | Available Nitrogen (N) | 212.1 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 4.30 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 457.0 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 15.03 | ppm | M |
| 8 | Available Zinc (Zn) | 1.72 | ppm | S |
| 9 | Available Boron (B) | 0.47 | ppm | D |
| 10 | Available Iron (Fe) | 22.52 | ppm | S |
| 11 | Available Manganese (Mn) | 58.99 | ppm | S |
| 12 | Available Copper (Cu) | 0.68 | ppm | S |

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Soil Health Card



Soil Health Card No.: 28

Name of farmer : Sonalal Hembram

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 312 kg | DAP: 187 kg |
| 2 | Zinc (Zn) | | | | | SSP: 539 kg | Urea: 239 kg |
| 3 | Boron (B) | 25 kg | | | | MOP: 48 kg | MOP: 48 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 14.4 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Talo Besra

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 201814619504

Mobile Number:

Soil Sample Details

Soil Sample Number: 29

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.20 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.03 | | Neutral |
| 2 | EC | 0.04 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.32 | % | H |
| 4 | Available Nitrogen (N) | 198.3 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.80 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 177.0 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 10.15 | ppm | M |
| 8 | Available Zinc (Zn) | 1.85 | ppm | S |
| 9 | Available Boron (B) | 0.56 | ppm | S |
| 10 | Available Iron (Fe) | 23.40 | ppm | S |
| 11 | Available Manganese (Mn) | 87.19 | ppm | S |
| 12 | Available Copper (Cu) | 1.16 | ppm | S |

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Soil Health Card



Soil Health Card No.: 29

Name of farmer : Talo Besro

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|---------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 326 kg | DAP: 196 kg |
| 2 | Zinc (Zn) | | | | | SSP: 562 kg | Urea: 250 kg |
| 3 | Boron (B) | | | | | MOP: 100 kg | MOP: 100 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |

General Recommendations

| | | | | | | | |
|---|----------------|------------|--|--|--|--|--|
| 1 | Organic Manure | FYM 15.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Dular Tudu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 667929679940

Mobile Number: 9162763540

Soil Sample Details

Soil Sample Number: 30

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.65 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.05 | | Neutral |
| 2 | EC | 0.01 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.00 | % | H |
| 4 | Available Nitrogen (N) | 195.8 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 7.00 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 184.8 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 11.60 | ppm | M |
| 8 | Available Zinc (Zn) | 1.78 | ppm | S |
| 9 | Available Boron (B) | 0.71 | ppm | S |
| 10 | Available Iron (Fe) | 16.48 | ppm | S |
| 11 | Available Manganese (Mn) | 22.20 | ppm | S |
| 12 | Available Copper (Cu) | 0.42 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 30

Name of farmer : Dular Tudu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 177 kg | DAP: 88 kg |
| 2 | Zinc (Zn) | | | | | SSP: 254 kg | Urea: 142 kg |
| 3 | Boron (B) | | | | | MOP: 54 kg | MOP: 54 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 8.1 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Rameshwar Besra

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 4405538448259

Mobile Number:

Soil Sample Details

Soil Sample Number: 31

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.80 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.03 | | Neutral |
| 2 | EC | 0.01 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.32 | % | H |
| 4 | Available Nitrogen (N) | 130.5 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 8.60 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 217.3 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 10.40 | ppm | M |
| 8 | Available Zinc (Zn) | 1.42 | ppm | S |
| 9 | Available Boron (B) | 0.61 | ppm | S |
| 10 | Available Iron (Fe) | 26.16 | ppm | S |
| 11 | Available Manganese (Mn) | 59.85 | ppm | S |
| 12 | Available Copper (Cu) | 1.09 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 31

Name of farmer : Rameshwar Besra

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 261 kg | DAP: 109 kg |
| 2 | Zinc (Zn) | | | | | SSP: 313 kg | Urea: 218 kg |
| 3 | Boron (B) | | | | | MOP: 67 kg | MOP: 67 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 10.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Rajendra Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 9546

Mobile Number:

Soil Sample Details

Soil Sample Number: 16

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.93 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.96 | | Neutral |
| 2 | EC | 0.064 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.76 | % | H |
| 4 | Available Nitrogen (N) | 96.6 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.80 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 244.2 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 6.95 | ppm | L |
| 8 | Available Zinc (Zn) | 1.93 | ppm | S |
| 9 | Available Boron (B) | 0.58 | ppm | S |
| 10 | Available Iron (Fe) | 5.98 | ppm | S |
| 11 | Available Manganese (Mn) | 21.57 | ppm | S |
| 12 | Available Copper (Cu) | 0.48 | ppm | S |

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Soil Health Card



Soil Health Card No.: 32

Name of farmer : Rajendra Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 23 kg | | Arjun | 34 t/ha | Urea: 303 kg | DAP: 152 kg |
| 2 | Zinc (Zn) | | | | | SSP: 436 kg | Urea: 244 kg |
| 3 | Boron (B) | | | | | MOP: 78 kg | MOP: 78 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 11.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Somlal Marandi

Address:

Village: Tetariya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 238329457120

Mobile Number: 8809839481

Soil Sample Details

Soil Sample Number: 34

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.05 ha

Geo Position (GPS)
Latitude: 24° 77'N
Longitude: 86° 82'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.90 | | Neutral |
| 2 | EC | 0.063 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.62 | % | H |
| 4 | Available Nitrogen (N) | 169.5 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.70 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 375.2 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 10.88 | ppm | M |
| 8 | Available Zinc (Zn) | 3.75 | ppm | S |
| 9 | Available Boron (B) | 0.65 | ppm | S |
| 10 | Available Iron (Fe) | 16.95 | ppm | S |
| 11 | Available Manganese (Mn) | 33.70 | ppm | S |
| 12 | Available Copper (Cu) | 1.35 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 34

Name of farmer : Somlal Marandi

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 286 kg | DAP: 171 kg |
| 2 | Zinc (Zn) | | | | | SSP: 492 kg | Urea: 218 kg |
| 3 | Boron (B) | | | | | MOP: 66 kg | MOP: 66 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 13.1 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Ministry of Textiles-
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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Kapurmuni Tudu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 556624124959

Mobile Number: 9771832532

Soil Sample Details

Soil Sample Number: 35

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.90 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.01 | | Neutral |
| 2 | EC | 0.04 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.11 | % | H |
| 4 | Available Nitrogen (N) | 199.6 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.8 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 269.9 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 7.48 | ppm | L |
| 8 | Available Zinc (Zn) | 2.62 | ppm | S |
| 9 | Available Boron (B) | 0.59 | ppm | S |
| 10 | Available Iron (Fe) | 9.55 | ppm | S |
| 11 | Available Manganese (Mn) | 20.55 | ppm | S |
| 12 | Available Copper (Cu) | 0.61 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 35

Name of farmer : Kapurmui Tudu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 22.5 kg | | Arjun | 34 t/ha | Urea: 245 kg | DAP: 147 kg |
| 2 | Zinc (Zn) | | | | | SSP: 422 kg | Urea: 187 kg |
| 3 | Boron (B) | | | | | MOP: 75 kg | MOP: 75 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 11.2 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Ministry of Textiles-
Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Lalchan Yadav

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 564600600469

Mobile Number: 7292813842

Soil Sample Details

Soil Sample Number: 36

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.80 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.08 | | Neutral |
| 2 | EC | 0.038 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.97 | % | H |
| 4 | Available Nitrogen (N) | 161.9 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 10.30 | Kg ha ⁻¹ | M |
| 6 | Available Potassium (K) | 390.42 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 4.10 | ppm | L |
| 8 | Available Zinc (Zn) | 2.44 | ppm | S |
| 9 | Available Boron (B) | 0.51 | ppm | S |
| 10 | Available Iron (Fe) | 4.20 | ppm | S |
| 11 | Available Manganese (Mn) | 36.15 | ppm | S |
| 12 | Available Copper (Cu) | 0.30 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 36

Name of farmer : Lalchan Yadav

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 25 kg | | Arjun | 34 t/ha | Urea: 217 kg | DAP: 87 kg |
| 2 | Zinc (Zn) | | | | | SSP: 250 kg | Urea: 183 kg |
| 3 | Boron (B) | | | | | MOP: 50 kg | MOP: 50 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 10.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Butbuni Hembram

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 674632045277

Mobile Number:

Soil Sample Details

Soil Sample Number: 37

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.65 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.97 | | Neutral |
| 2 | EC | 0.056 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.49 | % | H |
| 4 | Available Nitrogen (N) | 188.3 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.20 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 473.8 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 3.45 | ppm | L |
| 8 | Available Zinc (Zn) | 6.51 | ppm | S |
| 9 | Available Boron (B) | 0.52 | ppm | S |
| 10 | Available Iron (Fe) | 16.85 | ppm | S |
| 11 | Available Manganese (Mn) | 62.75 | ppm | S |
| 12 | Available Copper (Cu) | 0.85 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 37

Name of farmer : Butbuni Hembrom

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 20 kg | | Arjun | 34 t/ha | Urea: 177 kg | DAP: 179 kg |
| 2 | Zinc (Zn) | | | | | SSP: 305 kg | Urea: 229 kg |
| 3 | Boron (B) | | | | | MOP: 27 kg | MOP: 92 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 8.1 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Santlal Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 645771224534

Mobile Number:

Soil Sample Details

Soil Sample Number: 42

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.75 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.43 | | Sl.Alk. |
| 2 | EC | 0.037 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.70 | % | M |
| 4 | Available Nitrogen (N) | 129.3 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 4.00 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 327.0 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 5.55 | ppm | L |
| 8 | Available Zinc (Zn) | 1.63 | ppm | S |
| 9 | Available Boron (B) | 0.68 | ppm | S |
| 10 | Available Iron (Fe) | 13.95 | ppm | S |
| 11 | Available Manganese (Mn) | 53.50 | ppm | S |
| 12 | Available Copper (Cu) | 0.82 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 42

Name of farmer : Santlal Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 24 kg | | Arjun | 34 t/ha | Urea: 245 kg | DAP: 122 kg |
| 2 | Zinc (Zn) | | | | | SSP: 352 kg | Urea: 197 kg |
| 3 | Boron (B) | | | | | MOP: 47 kg | MOP: 47 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 9.4 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name Bahamuni Kishku

Address

Village Salaiya

Sub-District Katoria

District Banka

PIN 813106

Aadhaar Number 977748920528

Mobile Number 7463095039

Soil Sample Details

Soil Sample Number 43

Sample Collected on 24-06-2016

Survey No. -

Khasra No. / Dag No -

Farm Size 1.25 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude : 80° 42'E

Irrigated / ainfed Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.04 | | Neutral |
| 2 | EC | 0.056 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.35 | % | H |
| 4 | Available Nitrogen (N) | 219.7 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 6.30 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 274.4 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 4.58 | ppm | L |
| 8 | Available Zinc (Zn) | 2.51 | ppm | S |
| 9 | Available Boron (B) | 0.62 | ppm | S |
| 10 | Available Iron (Fe) | 16.90 | ppm | S |
| 11 | Available Manganese (Mn) | 20.50 | ppm | S |
| 12 | Available Copper (Cu) | 1.16 | ppm | S |

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Soil Health Card



Soil Health Card No.: 43

Name of farmer : Bahamuni Kishku

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|---------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 40 kg | | Arjun | 34 t/ha | Urea: 340 kg | DAP: 170 kg |
| 2 | Zinc (Zn) | | | | | SSP: 488 kg | Urea: 273 kg |
| 3 | Boron (B) | | | | | MOP: 104 kg | MOP: 104 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |

General Recommendations

| | | | | | | | |
|---|----------------|------------|--|--|--|--|--|
| 1 | Organic Manure | FYM 15.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

 Name of
Laboratory

 Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Rekha Devi

Address:

Village: Tetariya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 976209082856

Mobile Number: 9162173342

Soil Sample Details

Soil Sample Number: 44

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.10 ha

 Geo Position (GPS):
Latitude: 24° 77'N
Longitude: 86° 82'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.94 | | Neutral |
| 2 | EC | 0.033 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.70 | % | M |
| 4 | Available Nitrogen (N) | 144.4 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.50 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 356.2 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 4.10 | ppm | L |
| 8 | Available Zinc (Zn) | 7.38 | ppm | S |
| 9 | Available Boron (B) | 0.68 | ppm | S |
| 10 | Available Iron (Fe) | 12.15 | ppm | S |
| 11 | Available Manganese (Mn) | 36.30 | ppm | S |
| 12 | Available Copper (Cu) | 0.92 | ppm | S |

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Institute, Ranchi

Soil Health Card


Soil Health Card No.: 44

Name of farmer : Rekha Devi

 Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations
Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 35 kg | | Arjun | 34 t/ha | Urea: 299 kg | DAP: 179 kg |
| 2 | Zinc (Zn) | | | | | SSP: 516 kg | Urea: 229 kg |
| 3 | Boron (B) | | | | | MOP: 69 kg | MOP: 69 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 13.7 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Rupmuni Hembram

Address

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 237863042044

Mobile Number

Soil Sample Details

Soil Sample Number: 45

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.20 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.90 | | Neutral |
| 2 | EC | 0.031 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.92 | % | H |
| 4 | Available Nitrogen (N) | 153.1 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.20 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 342.6 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 4.63 | ppm | L |
| 8 | Available Zinc (Zn) | 8.39 | ppm | S |
| 9 | Available Boron (B) | 1.30 | ppm | S |
| 10 | Available Iron (Fe) | 8.40 | ppm | S |
| 11 | Available Manganese (Mn) | 28.45 | ppm | S |
| 12 | Available Copper (Cu) | 0.75 | ppm | S |

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Soil Health Card



Soil Health Card No.: 45

Name of farmer : Rupmuni Hembrom

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 38 kg | | Arjun | 34 t/ha | Urea: 326 kg | DAP: 196 kg |
| 2 | Zinc (Zn) | | | | | SSP: 563 kg | Urea: 250 kg |
| 3 | Boron (B) | | | | | MOP: 75 kg | MOP: 75 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 15.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Lilmuni Hansda

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 486397728585

Mobile Number: 9102071774

Soil Sample Details

Soil Sample Number: 46

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.65 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.93 | | Neutral |
| 2 | EC | 0.019 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.54 | % | H |
| 4 | Available Nitrogen (N) | 158.2 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 43.30 | Kg ha ⁻¹ | H |
| 6 | Available Potassium (K) | 432.3 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 15.75 | ppm | M |
| 8 | Available Zinc (Zn) | 7.49 | ppm | S |
| 9 | Available Boron (B) | 0.60 | ppm | S |
| 10 | Available Iron (Fe) | 14.60 | ppm | S |
| 11 | Available Manganese (Mn) | 27.70 | ppm | S |
| 12 | Available Copper (Cu) | 0.26 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 46

Name of farmer : Lilmuni Hansda

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|---------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | | | Arjun | 34 t/ha | Urea: 177 kg | DAP: 35 kg |
| 2 | Zinc (Zn) | | | | | SSP: 102 kg | Urea: 163 kg |
| 3 | Boron (B) | | | | | MOP: 27 kg | MOP: 27 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |

General Recommendations

| | | | | | | | |
|---|----------------|-----------|--|--|--|--|--|
| 1 | Organic Manure | FYM 8.1 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name
Rupmuni Tudu

Address

Village
Tetariya

Sub-District
Katoria

District
Banka

PIN
813106

Aadhaar Number
998066354837

Mobile Number
7070365896

Soil Sample Details

Soil Sample Number
55

Sample Collected on
23-06-2016

Survey No.
-

Khasra No. / Dag No
-

Farm Size
1.10 ha

Geo Position (GPS)
Latitude: 24° 77'N
Longitude : 86° 82'E

Irrigated / ainfed
Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.50 | | Sl.Alk. |
| 2 | EC | 0.079 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.86 | % | H |
| 4 | Available Nitrogen (N) | 189.5 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 4.50 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 318.9 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 4.41 | ppm | L |
| 8 | Available Zinc (Zn) | 2.36 | ppm | S |
| 9 | Available Boron (B) | 1.22 | ppm | S |
| 10 | Available Iron (Fe) | 9.30 | ppm | S |
| 11 | Available Manganese (Mn) | 34.10 | ppm | S |
| 12 | Available Copper (Cu) | 1.11 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 55

Name of farmer : Rupmuni Tudu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 35 kg | | Arjun | 34 t/ha | Urea: 299 kg | DAP: 179 kg |
| 2 | Zinc (Zn) | | | | | SSP: 516 kg | Urea: 229 kg |
| 3 | Boron (B) | | | | | MOP: 69 kg | MOP: 69 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 13.7 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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CENTRAL SILK BOARD

Ministry of Textiles-
Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: **Lilmuni Soren**

Address: _____

Village: **Tetariya**

Sub-District: **Katoria**

District: **Banka**

PIN: **813106**

Aadhaar Number: **844094732836**

Mobile Number: _____

Soil Sample Details

Soil Sample Number: **58**

Sample Collected on: **23-06-2016**

Survey No.: **-**

Khasra No. / Dag No.: **-**

Farm Size: **1.10 ha**

Geo Position (GPS)
Latitude: **24° 77'N**
Longitude: **86° 82'E**

Irrigated / ainfed: **Rainfed**

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.11 | | Neutral |
| 2 | EC | 0.048 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.05 | % | H |
| 4 | Available Nitrogen (N) | 195.8 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.80 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 304.5 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 2.23 | ppm | L |
| 8 | Available Zinc (Zn) | 0.99 | ppm | S |
| 9 | Available Boron (B) | 1.23 | ppm | S |
| 10 | Available Iron (Fe) | 11.80 | ppm | S |
| 11 | Available Manganese (Mn) | 27.7 | ppm | S |
| 12 | Available Copper (Cu) | 0.51 | ppm | S |

**Central Tasar Research and Training
Institute, Ranchi**

Soil Health Card



Soil Health Card No.: **58**

Name of farmer : **Lilmuni Soren**

Validity : From: **June 2016**
To: **May 2019**

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 40 kg | | Arjun | 34 t/ha | Urea: 285 kg | DAP: 171 kg |
| 2 | Zinc (Zn) | | | | | SSP: 492 kg | Urea: 218 kg |
| 3 | Boron (B) | | | | | MOP: 66 kg | MOP: 66 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 13.0 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Martin Marandi

Address:

Village: Tetariya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 841536649662

Mobile Number:

Soil Sample Details

Soil Sample Number: 59

Sample Collected on: 23-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.65 ha

Geo Position (GPS)
Latitude: 24° 77'N
Longitude: 86° 82'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.94 | | Neutral |
| 2 | EC | 0.04 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.00 | % | H |
| 4 | Available Nitrogen (N) | 262.4 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 15.10 | Kg ha ⁻¹ | M |
| 6 | Available Potassium (K) | 272.9 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 2.40 | ppm | L |
| 8 | Available Zinc (Zn) | 1.25 | ppm | S |
| 9 | Available Boron (B) | 1.07 | ppm | S |
| 10 | Available Iron (Fe) | 9.95 | ppm | S |
| 11 | Available Manganese (Mn) | 28.70 | ppm | S |
| 12 | Available Copper (Cu) | 0.69 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 59

Name of farmer : Martin Marandi

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 25 kg | | Arjun | 34 t/ha | Urea: 177 kg | DAP: 71 kg |
| 2 | Zinc (Zn) | | | | | SSP: 203 kg | Urea: 149 kg |
| 3 | Boron (B) | | | | | MOP: 54 kg | MOP: 54 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 8.1 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Ministry of Textiles-
Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name Sushila Hansda

Address

Village Tetariya

Sub-District Katoria

District Banka

PIN 813106

Aadhaar Number 439349488607

Mobile Number 7258963811

Soil Sample Details

Soil Sample Number 60

Sample Collected on 23-06-2016

Survey No. -

Khasra No. / Dag No -

Farm Size 0.85 ha

Geo Position (GPS)
Latitude: 24° 77'N
Longitude : 86° 82'E

Irrigated / ainfed Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.88 | | Neutral |
| 2 | EC | 0.070 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.86 | % | H |
| 4 | Available Nitrogen (N) | 215.9 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 7.60 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 441.8 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 1.00 | ppm | L |
| 8 | Available Zinc (Zn) | 0.91 | ppm | S |
| 9 | Available Boron (B) | 1.22 | ppm | S |
| 10 | Available Iron (Fe) | 4.45 | ppm | S |
| 11 | Available Manganese (Mn) | 5.70 | ppm | S |
| 12 | Available Copper (Cu) | 0.95 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 60
Name of farmer : Sushila Hansda
Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 32 kg | | Arjun | 34 t/ha | Urea: 231 kg | DAP: 116 kg |
| 2 | Zinc (Zn) | | | | | SSP: 332 kg | Urea: 186 kg |
| 3 | Boron (B) | | | | | MOP: 35 kg | MOP: 35 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 10.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name Shusma Hembrom

Address

Village Tetariya

Sub-District Katoria

District Banka

PIN 813106

Aadhaar Number 402431726611

Mobile Number 9546794600

Soil Sample Details

Soil Sample Number 62

Sample Collected on 23-06-2016

Survey No. -

Khasra No. / Dag No -

Farm Size 0.85 ha

Geo Position (GPS)
Latitude: 24° 77'N
Longitude : 86° 82'E

Irrigated / ainfed Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.87 | | Neutral |
| 2 | EC | 0.034 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.97 | % | H |
| 4 | Available Nitrogen (N) | 204.6 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.90 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 409.2 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 2.03 | ppm | L |
| 8 | Available Zinc (Zn) | 1.24 | ppm | S |
| 9 | Available Boron (B) | 1.19 | ppm | S |
| 10 | Available Iron (Fe) | 11.70 | ppm | S |
| 11 | Available Manganese (Mn) | 30.80 | ppm | S |
| 12 | Available Copper (Cu) | 0.67 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 62

Name of farmer : Shusma Hembrom

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 27 kg | | Arjun | 34 t/ha | Urea: 231 kg | DAP: 139 kg |
| 2 | Zinc (Zn) | | | | | SSP: 399 kg | Urea: 177 kg |
| 3 | Boron (B) | | | | | MOP: 35 kg | MOP: 35 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 10.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Talamay Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 865631729446

Mobile Number:

Soil Sample Details

Soil Sample Number: 64

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.95 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|----------|
| 1 | pH | 5.93 | | Mod.Acid |
| 2 | EC | 0.087 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.05 | % | H |
| 4 | Available Nitrogen (N) | 272.4 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 2.60 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 182.8 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 3.35 | ppm | L |
| 8 | Available Zinc (Zn) | 1.39 | ppm | S |
| 9 | Available Boron (B) | 1.12 | ppm | S |
| 10 | Available Iron (Fe) | 11.45 | ppm | S |
| 11 | Available Manganese (Mn) | 24.10 | ppm | S |
| 12 | Available Copper (Cu) | 1.05 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 64

Name of farmer : Talamay Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 30 kg | | Arjun | 34 t/ha | Urea: 258 kg | DAP: 258 kg |
| 2 | Zinc (Zn) | | | | | SSP: 445 kg | Urea: 196 kg |
| 3 | Boron (B) | | | | | MOP: 79 kg | MOP: 79 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 11.9 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Somlal Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 938879302825

Mobile Number: 7258037756

Soil Sample Details

Soil Sample Number: 65

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.90 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 5.18 | | St.Acid |
| 2 | EC | 0.48 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.76 | % | H |
| 4 | Available Nitrogen (N) | 298.8 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 10.20 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 327.6 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 8.30 | ppm | L |
| 8 | Available Zinc (Zn) | 1.58 | ppm | S |
| 9 | Available Boron (B) | 1.28 | ppm | S |
| 10 | Available Iron (Fe) | 9.60 | ppm | S |
| 11 | Available Manganese (Mn) | 35.7 | ppm | S |
| 12 | Available Copper (Cu) | 0.63 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 65

Name of farmer : Somlal Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 22 kg | | Arjun | 34 t/ha | Urea: 196 kg | DAP: 98 kg |
| 2 | Zinc (Zn) | | | | | SSP: 281 kg | Urea: 157 kg |
| 3 | Boron (B) | | | | | MOP: 56 kg | MOP: 56 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 11.25 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Ministry of Textiles-
Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Badki Tudu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 997989373061

Mobile Number: 7366203175

Soil Sample Details

Soil Sample Number: 70

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.70 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.51 | | Sl.Alk. |
| 2 | EC | 0.072 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.16 | % | H |
| 4 | Available Nitrogen (N) | 198.3 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 2.70 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 384.8 | Kg ha ⁻¹ | H |
| 7 | Available Sulphur (S) | 2.85 | ppm | L |
| 8 | Available Zinc (Zn) | 2.03 | ppm | S |
| 9 | Available Boron (B) | 1.36 | ppm | S |
| 10 | Available Iron (Fe) | 9.60 | ppm | S |
| 11 | Available Manganese (Mn) | 41.1 | ppm | S |
| 12 | Available Copper (Cu) | 1.01 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 70

Name of farmer : Badki Tudu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 26 kg | | Arjun | 34 t/ha | Urea: 190 kg | DAP: 114 kg |
| 2 | Zinc (Zn) | | | | | SSP: 328 kg | Urea: 146 kg |
| 3 | Boron (B) | | | | | MOP: 44 kg | MOP: 44 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 8.7 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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CENTRAL SILK BOARD

Ministry of Textiles-
Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Sonamuni Murmu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 588982180204

Mobile Number: 8521366681

Soil Sample Details

Soil Sample Number: 72

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.10 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 7.43 | | Sl.Alk. |
| 2 | EC | 0.041 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.97 | % | H |
| 4 | Available Nitrogen (N) | 193.3 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 4.40 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 238.7 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 3.27 | ppm | L |
| 8 | Available Zinc (Zn) | 2.81 | ppm | S |
| 9 | Available Boron (B) | 1.37 | ppm | S |
| 10 | Available Iron (Fe) | 20.90 | ppm | S |
| 11 | Available Manganese (Mn) | 60.20 | ppm | S |
| 12 | Available Copper (Cu) | 1.37 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 72

Name of farmer : Sonamuni Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 41.25 | | Arjun | 34 t/ha | Urea: 299 kg | DAP: 179 kg |
| 2 | Zinc (Zn) | | | | | SSP: 516 kg | Urea: 229 kg |
| 3 | Boron (B) | | | | | MOP: 92 kg | MOP: 92 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 13.7 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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2015

Healthy Soils for a Healthy Life

Director, CTR&TI, Ranchi



CENTRAL SILK BOARD

Ministry of Textiles-
Govt. Of India
Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Sanjhli Tudu

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 737571905612

Mobile Number: 9102071774

Soil Sample Details

Soil Sample Number: 73

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.68 ha

Geo Position (GPS)
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.98 | | Neutral |
| 2 | EC | 0.069 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.03 | % | H |
| 4 | Available Nitrogen (N) | 185.8 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 1.90 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 127.1 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 4.03 | ppm | L |
| 8 | Available Zinc (Zn) | 1.15 | ppm | S |
| 9 | Available Boron (B) | 1.24 | ppm | S |
| 10 | Available Iron (Fe) | 17.95 | ppm | S |
| 11 | Available Manganese (Mn) | 59.20 | ppm | S |
| 12 | Available Copper (Cu) | 0.71 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 73

Name of farmer : Sanjhli Tudu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|---------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 21 kg | | Arjun | 34 t/ha | Urea: 185 kg | DAP: 111 kg |
| 2 | Zinc (Zn) | | | | | SSP: 319 kg | Urea: 141 kg |
| 3 | Boron (B) | | | | | MOP: 57 kg | MOP: 57 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |

General Recommendations

| | | | | | | | |
|---|----------------|------------|--|--|--|--|--|
| 1 | Organic Manure | FYM 8.50 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Sanjhli Baski

Address:

Village: Salaiya

Sub-District: Katoria

District: Banka

PIN: 813106

Aadhaar Number: 465977480894

Mobile Number:

Soil Sample Details

Soil Sample Number: 74

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 1.25 ha

Geo Position (GPS):
Latitude: 23° 46'N
Longitude: 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.95 | | Neutral |
| 2 | EC | 0.050 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 0.81 | % | H |
| 4 | Available Nitrogen (N) | 155.7 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 4.80 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 209.6 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 7.53 | ppm | L |
| 8 | Available Zinc (Zn) | 1.24 | ppm | S |
| 9 | Available Boron (B) | 1.94 | ppm | S |
| 10 | Available Iron (Fe) | 20.90 | ppm | S |
| 11 | Available Manganese (Mn) | 68.5 | ppm | S |
| 12 | Available Copper (Cu) | 0.45 | ppm | S |

Central Tasar Research and Training
Institute, Ranchi

Soil Health Card



Soil Health Card No.: 74

Name of farmer : Sanjhli Baski

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 31 kg | | Arjun | 34 t/ha | Urea: 340 kg | DAP: 204 kg |
| 2 | Zinc (Zn) | | | | | SSP: 586 kg | Urea: 260 kg |
| 3 | Boron (B) | | | | | MOP: 104 kg | MOP: 104 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 15.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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Bangalore-560 068

SOIL HEALTH CARD

Name of
Laboratory

Central Tasar Research and Training
Institute, Ranchi

Farmer's Details

Name: Hiramuni Murmu

Address: Salaiya

Village: Katoria

Sub-District: Banka

District: PIN 813106

Aadhaar Number: 830271686109

Mobile Number: -

Soil Sample Details

Soil Sample Number: 75

Sample Collected on: 24-06-2016

Survey No.: -

Khasra No. / Dag No: -

Farm Size: 0.77 ha

Geo Position (GPS): Latitude: 23° 46'N
Longitude : 80° 42'E

Irrigated / ainfed: Rainfed

SOIL TEST RESULTS

| S. No. | Parameter | Test Value | Unit | Rating |
|--------|--------------------------|------------|---------------------|---------|
| 1 | pH | 6.87 | | Neutral |
| 2 | EC | 0.040 | dS m ⁻¹ | Normal |
| 3 | Organic Carbon (OC) | 1.00 | % | H |
| 4 | Available Nitrogen (N) | 197.1 | Kg ha ⁻¹ | L |
| 5 | Available Phosphorus (P) | 3.50 | Kg ha ⁻¹ | L |
| 6 | Available Potassium (K) | 297.7 | Kg ha ⁻¹ | M |
| 7 | Available Sulphur (S) | 2.08 | ppm | L |
| 8 | Available Zinc (Zn) | 2.60 | ppm | S |
| 9 | Available Boron (B) | 1.10 | ppm | S |
| 10 | Available Iron (Fe) | 12.90 | ppm | S |
| 11 | Available Manganese (Mn) | 67.90 | ppm | S |
| 12 | Available Copper (Cu) | 1.28 | ppm | S |

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Institute, Ranchi

Soil Health Card



Soil Health Card No.: 75

Name of farmer : Hiramuni Murmu

Validity : From: June 2016
To: May 2019

L=Low; M=Medium; H=High; S=Sufficiency; D= Deficiency; VS=Very Strongly; St.=Strongly; Sl. Slightly; Mod.= Moderately

Secondary & Micro Nutrients Recommendations

Fertilizer Recommendations for Reference Yield (with Organic Manure)

| Sl. No. | Parameter | Recommendations for Soil Applications | Sl. No. | Food Plant | Reference Yield | Fertilizer Combination-1 for N P K (Straight fertilizers) | Fertilizer Combination-2 for N P K (Complex/mixed fertilizers) |
|--------------------------------|----------------|---------------------------------------|---------|------------|-----------------|---|--|
| 1 | Sulphur (S) | 29 kg | | Arjun | 34 t/ha | Urea: 209 kg | DAP: 126 kg |
| 2 | Zinc (Zn) | | | | | SSP: 361 kg | Urea: 160 kg |
| 3 | Boron (B) | | | | | MOP: 48 kg | MOP: 48 kg |
| 4 | Iron (Fe) | | | | | | |
| 5 | Manganese (Mn) | | | | | | |
| 6 | Copper (Cu) | | | | | | |
| General Recommendations | | | | | | | |
| 1 | Organic Manure | FYM 9.6 t | | | | | |
| 2 | Biofertiliser | | | | | | |
| 3 | Lime / Gypsum | | | | | | |

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