

Finger Millet Cultivation (Chene, Namkum, Ranchi Jharkhand)

Seed distribution of Finger Millet

- Village – Chene
- No. of farmers - 26
- Total cultivated land - 682 decimal (6.82 acres)
- Seed - 26 Kg
- Variety - Birsa Madua-3
- Seed rate- 8 Kg/ha
- Manure Requirement – 12 t/ha
- Fertilizer requirement- 40:30:20: N: P₂O₅:K₂O Kg/ha
- Spacing – 30 cm * 10 cm
- Crop duration - 120 days
- **Yield - 20 q/ha**
- Transplanting done at 22-25 days after sowing
- **Date of seed distribution among farmers - 26/06/2023**
- Date of sowing - Last week of June, 2023
- Date of transplanting - 3rd week of July, 2023
- Date of harvesting - Last week of October to first week of November, 2023



Seed Distribution

Cost of Cultivation:

- Seed cost = Nil (provided by JRU, Ranchi)
- Manure + Fertilizer cost = Rs. 34,000 (26 families)
- Labour cost= Nil (Family labour)
- Land cost = Nil
- Irrigation cost = Nil (As it is a Kharif season crop)

Total Production (26 families):

- Total Production= 50 quintal
- Grain Price (selling price) = Rs. 30/kg
- Grain Flour Price (selling price) = Rs. 60/kg
- The produce will upscale in the area of 375 ha, in the surrounding villages like Rajaulatu, Rampur, Loatoli and Jamchua.



Crop field Inspection with Students of B.Sc. (Hons.) Agriculture





Summary:

Report on Frontline Demonstration (FLD) on Finger Millet in the adopted village Chene
Altogether 26 number of FLD's were conducted in farmer's field, covering an area of **6.82 acres in the year 2023**. The average yield of Ragi/Finger Millet variety **Birsa Madua-3** was found to be 7.33 q/ha with 8.26 q/ha highest yield and 6.40 q/ha lowest yield.

Altogether total production was calculated to be 50 quintals. Out of the total produce 30 quintals madua was sold by the farmers as seed to other around 100 farmers @ Rs 35/Kg. during 2024, keeping 20 quintals grains for their house consumption.

In this way the farmers receive Rs 1,05000/- from sale. The produce and altogether the new variety of madua were upscale in the area of 375 ha, in surrounding villages like Rajaulhatu, Rampur, Loatoli and Jamchua.