

Dhaincha

Benefits of green manuring (Dhanicha) in rice

- ✓ Incorporate 60-70 kg/ha of nitrogen and improve the soil health.
- ✓ Helps to maintain the organic matter status of soil.
- ✓ Improves soil aeration in rice by stimulating the activities of micro and macro organisms.
- ✓ Absorb nutrients from the deeper soil layer and adds them on the soil surface layer after incorporation.
- ✓ Green manuring increases the water holding capacity of light soils.

Green manuring with Dhanicha

- ✓ The best time to sow Dhaincha is just after pre-monsoon showers. Medium and lowland soils are the most suitable.
- ✓ First, treat the seed with specific rhizobium strain at 5 packets per hectare and broadcast it.
- ✓ Apply all phosphatic fertilizer intended for the next crop to the green manuring crop to ensure the succeeding rice crop receives nitrogen and phosphorus from the decomposing green manure.
- ✓ Incorporate Dhaincha into the soil using a plough or tractor 45-50 days after sowing, followed by impounding water for 2-3 days and final puddling. Broadcast lime at 500 kg per hectare after incorporating green manure and before final puddling.
- ✓ This process adds about 25 tons of green biomass per hectare in soil.



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