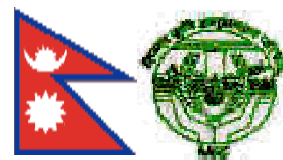


Boro Rice Cultivation



What is boro rice?

The boro rice is commonly known as winter rice. The term boro is Bengali originated from the Sanskrit word "Boro" which refers to a cultivation from Nov.-May under irrigated condition.

Why boro rice cultivation?

- Shallow water level and water logging low land can be utilized by using boro rice cultivation, which remains fallow in winter due to excessive moisture and late maturing rice.
- Immense potential for improving boro rice yield over winter crops in low land areas.
- Boro rice matures before on-set of monsoon and get sufficient time for harvesting as compared to chaite rice (spring).
- Good market price of boro rice due to off-season production.
- Reduces risk of natural calamities like flood for main season under flood prone areas using boro rice cultivation.

How to cultivate boro rice?

Boro rice is grown mostly in Nawalparasi, Jhapa and Morang districts of Nepal.

Boro Rice Varieties: BIRRI dhan-29, BIRRI dhan-35, BIRRI dhan-36, Khumal -11 and Jaya gives good yield in boro season.

Sowing and transplanting:

Optimum time of sowing is 25 Oct. to 15 Nov. The transplanting is suitable when the minimum temperature of February becomes equal to 10°C.

Seedling management

use of ash at interval of 15 days, cover of seedlings by plastic sheet in night and remove plastic sheet in day.

Fertilizers and Irrigation:

The appropriate nutrients doses are 100:40:30 kg N:P₂O₅:K₂O/ha along with 20kg/ha of ZnSO₄ for optimum yield of boro rice. Altogether 12-15 irrigations are necessary during the crop period.

Pest and weed management:

Due to low temperature, weed growth during early vegetative phase of the crop is slow. Therefore, one hand weeding at tillering stage is effective to control weeds in the field.

Harvesting, drying and storing:

5.5- 6.5 ton /ha of grain yield is obtained from boro rice cultivation. 18% grain moisture is proper at harvesting



For more information visit Rice Knowledge Bank www.knowledgebank.irri.org

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