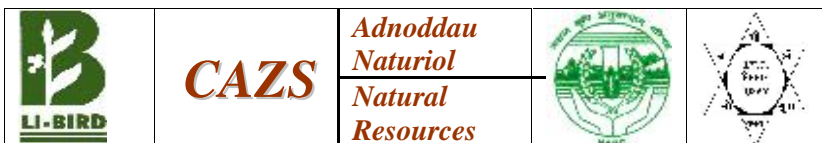


Barkhe 3004: Participatory Plant Breeding bred rice variety



What is Barkhe 3004?

Barkhe 3004 is the Participatory Plant Breeding (PPB) bred rice variety released in 2006 for general cultivation to Terai and Inner Terai region of Nepal. It is a medium coarse, high yielding variety popularly grown by the farmers of the Central and Eastern Nepal.



What are the characteristics of Barkhe 3004?

Barkhe 3004 is a semi-dwarf (97-110cm), medium tillering (10-15/hills) variety that matures in 150-160 days after seeding. Plants are dark green with erect leaves. The panicle is medium with around 110-160 grains. The grain is medium coarse type, medium in size, bold and slightly long in shape. It is mostly awnless (but very short awn just on the terminal grain of the panicle).



Why grow Barkhe 3004 rice?

- High yielding up to 7.6 t/ha.
- High tillering (10-15/hill)
- Medium panicle, higher number of filled grain per panicle
- High disease resistance
- Non-lodging
- Suitable for high fertility conditions (fertilizer responsive) and long standing water conditions where other varieties perform poorly
- Soft straw is preferred by cattle
- Easy threshing
- Good market price
- High milling recovery
- Good taste

What are the prevalent cropping patterns that fit Barkhe 3004?

- Rice-wheat-fallow
- Rice-winter vegetables-mungbean
- Rice-lentil-mungbean
- Rice-fallow-spring maize
- Rice-fallow-rice
- Rice-fallow-mungbean

Where should you grow Barkhe 3004?

Barkhe 3004 can be grown in high fertility, rainfed medium land to low land and irrigated conditions.

Is Barkhe 3004 rice always better?

Barkhe 3004 is resistant to blast (leaf and neck), tolerant to sheath blight and field tolerance to bacterial leaf blight (BLB). But it has slight gundhi bug and yellow and white stem borer problem and not suitable for upland e.g. Radha 4 domain.

For more information

Visit the Rice Knowledge Bank at www.knowledgebank.irri.org

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