

Nematode Resistant Fodder Radish

DEFENDER

MULTIRESISTANT – BCN RESISTANCE LEVEL 2+

Up to 90 % reduction of Beet Cyst Nematodes, officially tested and approved with resistance level 2+.

Perfect green manure crop in rotations with sugar beets, potatoes and vegetables.

Profile of the Variety:

- Up to 90 % reduction of Beet Cyst Nematodes, officially tested and approved with resistance level 2+
- Quick and healthy initial development
- Strong and leafy growth
- Deep and intensive rooting system
- Late flowering in combination with long lasting vegetation
- High dry matter yield

Benefits for the soil:

- Supports soil fertility
- Increases organic matter levels
- Relieves soil compaction
- Improves soil tilth
- Enhances water infiltration
- Protection against erosion caused by wind and water
- Conservation of nutrients



Biofumigation

Fine chopping of the plant material and immediate incorporating of the same into the upper soil layers set additional ingredients (Glucosinolates) of **DEFENDER** free and transform them into biologically active compounds. These naturally borne Isothiocyanates then act on soil borne pest diseases.

Using **DEFENDER** for biofumigation strengthens the effects on *Pratylenchus*, *Rhizoctonia* and *Botrytis*.

MULTIRESISTANCE - EFFECTS VARIOUS NEMATODE SPECIES

Beet Cyst Nematode

Up to 90 % reduction of *Heterodera schachtii*, in sugar beets, oil seed rape and spinach, officially tested and approved resistance level 2+.

Stubby Root Knot Nematode

Poor host for Stubby Root Knot Nematodes (*Trichodorus sp.* and *Paratrichodorus sp.*).

Root Lesion Nematode

Very poor host for *Pratylenchus crenatus*, *P. neglectus* and *P. penetrans* on sandy soils as green manure crop in crop rotations with potatoes, canola, cereals, vegetables and flower bulbs.

Root Knot Nematode

Effective reduction of Meloidogyne (*Meloidogyne chitwoodi* and *M. fallax*) in potatoes, sugar beets and flower bulbs.

Stem and Bulb Nematode

No multiplication of *Ditylenchus dipsaci* when used as cover crop in crop rotation with beet, vegetable and flower bulbs.

MULTIRESISTANCE - PROTECTION AGAINST DISEASES

Corky Ring Spot

Reduction of Corky Ring Spot (caused by Tobacco Rattle Virus) in potatoes.

Rhizoctonia fungi

Reduction of yield and quality losses caused by Rhizoctonia in potatoes (dry-core), sugar beets and flowers.

Diseases in cereals

Break-up of disease cycle in cereals (e. g. take-all of cereals).

Pythium

Less damage caused by Pythium fungi in crop rotation with peas, potatoes and flower bulbs.

Club root

Non-stimulating of club root pathogen *Plasmodiophora brassicae* when used as cover crop.

Cultivation Information:

Sowing time: April – September
DEFENDER is as suitable for use as spring crop (good regrowth after shortening) as well as cover crop (strong and quick initial development).

Sowing rate: Approx. 25 – 30 kg per ha
Effective nematode reduction and suppression of weeds demand a high plant density.

Soil preparation: Quick and uniform development is supported when fodder radish is handled as carefully as a main crop.

Sowing depth: 1 – 2 cm

Fertilization: 40 – 60 kg N per ha

Breeder: P.H. Petersen Saatzucht Lundsgaard