

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

<u>Beet Cyst Nematode</u>	Up to 90 % reduction of <i>Heterodera schachtii</i> , in sugar beets, oil seed rape and spinach, officially tested and approved resistance level 2+.
<u>Stubby Root Knot Nematode</u>	Poor host for Stubby Root Knot Nematodes (<i>Trichodorus sp.</i> and <i>Paratrichodorus sp.</i>)
<u>Root Lesion Nematode</u>	Very poor host for <i>Pratylenchus crenatus</i> , <i>P. neglectus</i> and <i>P. penetrans</i> on sandy soils as green manure crop in crop rotations with potatoes, canola, cereals, vegetables and flower bulbs.
<u>Root Knot Nematode</u>	Effective reduction of Meloidogyne (<i>Meloidogyne chitwoodi</i> and <i>M. fallax</i>) in potatoes, sugar beets and flower bulbs.
<u>Stem and Bulb Nematode</u>	No multiplication of <i>Ditylenchus dipsaci</i> when used as cover crop in crop rotation with beet, vegetable and flower bulbs.

MULTIRESISTANCE - PROTECTION AGAINST DISEASES

<u>Corky Ring Spot</u>	Reduction of Corky Ring Spot (caused by Tobacco Rattle Virus) in potatoes.
<u>Rhizoctonia fungi</u>	Reduction of yield and quality losses caused by Rhizoctonia in potatoes (dry-core), sugar beets and flowers.
<u>Diseases in cereals</u>	Break-up of disease cycle in cereals (e. g. take-all of cereals).
<u>Pythium</u>	Less damage caused by Pythium fungi in crop rotation with peas, potatoes and flower bulbs.
<u>Club root</u>	Non-stimulating of club root pathogen <i>Plasmodiophora brassicae</i> 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