

Multi-resistant Oil radish

DEFENDER

Proven variety for agriculture and vegetables



Benefits:

- Multi-resistant oil radish **DEFENDER** strongly effects nematodes and provides protection against diseases
- Reduction of Beet Cyst Nematodes (*Heterodera schachtii*) up to 90 %, resistance level 2+
- Efficient reduction of Root Knot Nematodes (*Meloidogyne chitwoodi* and *M. fallax*) and Root Lesion Nematodes such as *Pratylenchus crenatus*, *P. neglectus* und *P. penetrans*
- No multiplication of Stem and Bulb Nematode (*Ditylenchus dipsaci*)
- **DEFENDER** suppresses the Stubby Root Nematodes and therefore leads to a reduction of Corky Ring Spot in potatoes
- Healthy youth development and fast soil cover supports soil healing process and provides a thorough weed suppression
- Improvement of the air- and water balance - this is achieved by a deep and fine rooting system
- **DEFENDER** provides large amounts of organic substance to stabilizes the humus balance and to supports the soil life, which reduce the disease potential in the soil

Included in blends: SortenGreening® DEFENDER mit Lein, SortenGreening® DEFENDER mit Sommerwicke, viterra® INTENSIV, viterra® INTENSIV N-PLUS, viterra® INTENSIV ÖKO

Variety characteristics: (Officially confirmed or respectively in line with Bundessortenamt)

	bad / early / short / low	good / late / long / high / tall
Resistance against <i>Heterodera schachtii</i>	Resistance level 2	
Initial mass formation	7	
Tendency to flower	4	
Stiffness	8	

Breeder: P. H. PETERSEN Saatzucht Lundsgaard GmbH, Version: 11.08.2021 / 35.00

Multi-resistant Oil radish

DEFENDER

Proven variety for agriculture and vegetables

Usage:

Multi-resistant
Reduction of Beet Cyst Nematodes
Reduction of Tobacco Rattle Virus
Green manure
Ground water protection / Nitrogen conservation
Mulch sowing
Humus formation
Protection against erosion
Biofumigation

Crop rotation suitability:

+ suitable / ++ strongly recommended

Maize	++
Cereals	++
Oilseed rape	+
Sugar beets	++
Potatoes	++
Intensive crops	++
Legumes	++

Agronomic features:

bad / early / short / low good / late / long / high / tall

Weed suppression	9
Protection against erosion	8
Ground water protection / Nitrogen conservation	8
Humus formation	8
Cold- and frost resistance	5
Drought tolerance	7

Type of root	Tap root
Rooting depth	180 cm

Cultivation recommendations:

Recommended sowing rate	25 - 30 kg/ha
Sowing depth	2 - 3 cm
Sowing period	July till early Sept. In vegetable growing from May - it takes 6 - 8 weeks of vegetation in order to get a reduction.
Fertilization	40 - 60 kg N/ha
Crop protection	Usually there is no plant protection required.
Sowing method	In order to gain a fast and even development of the oil radish plants, drilling after careful soil preparation is recommended.

Breeder: P. H. PETERSEN Saatzucht Lundsgaard GmbH, Version: 11.08.2021 / 35.00