

Nematode resistant Oil radish

COSMOS

Late flowering and highest resistance level



Benefits:

- Resistance level 1, > 90 % reduction of Beet Cyst Nematodes in official testings
- A low tendency to flower enables an early sowing - any present soil thermal supports nematode reduction
- Effective weed suppression due to healthy and rich of foliage development
- Organic substances activates microorganisms of the soil and therefore supports soil fertility
- Extensive and deep rooting enhances waterholding capacity as well as the air exchange of the soil
- **COSMOS** is perfectly suitable for effective reduction of nematodes in close crop rotations with sugar beets
- Low growth for fuel saving at flail mowing

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 1	
Initial mass formation		5
Tendency to flower	3	
Stiffness		8

Breeder: P. H. PETERSEN Saatzucht Lundsgaard GmbH, Version: 06.05.2019 / 19.00

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Usage:

Reduction of Beet Cyst Nematodes
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 to end of August - depending on location! Early sowing increases successfully the 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.

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