

NEMAFLEX Radish

Nematode resistant

Raphanus sativus L. var. oleiformis

DESCRIPTION

NEMAFLEX was selected by JOORDENS ZADEN, the leading developer of cover crop germplasm and cover crop systems use in Europe, for disease resistance, nematode control, late flowering and speed of ground cover. NEMAFLEX has resistance to nematodes, breaks the pest cycle and reduces damage to following crops. It improves soil and water quality, and increases farmland productivity. NEMAFLEX is an agronomic tool to alleviate soil compaction, soil born pests, capture, recycle & redistribute Nitrogen and other nutrients, enhance the seedbed for following crop, reduce leaching, runoff & erosion, build soil organic matter & microbial action, and attract beneficial insects. NEMAFLEX roots reach deep into the soil where the primary crop cannot penetrate and has the potential to absorb over 100 pounds of previously trapped nitrogen per acre, releasing it to the following crop upon decomposition. □

MANAGEMENT

Grows best in cool, moist growing condition with soil pH of 6.0-7.5. Not tolerant of shade, standing water, or severely nitrogen deficient soils.

Establishes quickly with adequate moisture and when planting occurs after manure, sludge, or starter fertilizer application. Plant after the harvest of primary crops or aerial seed into standing corn or soybeans when lower leaves yellow, and into cotton prior to defoliation. Sow 60 days before heavy frost. In northern regions, can also be planted in early spring to provide nitrogen to the primary crop planted in May or early June.

Adjust seeding rate based on goals. Lower planting rates produce larger taproots. Higher planting rates result in smaller taproots and more root surface area may help trap more nematodes and assist with soil-borne pest suppression. Follow broadcast seeding with a light disking, cultipacking, or rolling.

Winterkills ~25°F

BIOFUMIGATION

Use as part of an integrated pest management plan (IPM). For maximum capture of gucosinilates, mow at flowering, till into the soil, irrigate in absence of precipitation, & seal soil with roller.

Resistant to Sugar Beet Cyst Nematode (*Heterodera schachtii* and *betae*).

Good Alternaria resistance.

Resistant to Prathylenchus scripnerie.

Non host for the nematodes: - *Globodera rostochiensis/pallida*, *Heterodera avenae*, *Heterodera trifoliif f.sp. trifolium*, *Heterodera goettingiana*, *Meloidogyne naasi*, *Ditylenchus dipsaci*, *Ditylenchus destructor*.

FEATURES & BENEFITS

- SUGAR BEET CYST NEMATODE RESISTANCE
- BIO-DRILLER -reduces soil compaction
- NUTIENT SEQUESTOR - potential to absorb over 100 pounds of previously trapped nitrogen per acre
- WEED MANAGEMENT TOOL- emerges in as little as 3 days, full canopy in 3-4 weeks
- SOIL HEALTH BUILDER- Bio Mass production adds organic matter.
- VERY LATE FLOWERING -SHORT PLANT HEIGHT with smaller leaves
- GOOD EARLY VIGOR- SMALL SIZE TUBER, PENETRATING FIBROUS ROOT SYSTEM
- TESTED BLACKLEG FREE

Seeding Rates (Lbs/A): Traditional Cover Cropping					
Early			Late		
drilled	broadcast	aerial	drilled	broadcast	aerial
6-10	12-15	14-26	10-12	15-18	18-20

Seeding Rates (Lbs/A): Nematode Targeted Seeding:					
Early			Late		
drilled	broadcast	aerial	drilled	broadcast	aerial
14-18	21-27	25-32	18-22	22-33	25-40



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Nematode resistant product, class 2*

Variety	Value Pf/Pi
Nemaflex :	0,113
Radical T :	0,176
Remonta T :	0,211
Adagio T :	0,151
DiaboloT :	0,183

Source: *Bundessortenamt prüfungsbericht, Germany*

* *Sugarbeet cyst nematode*



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