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DOUBLET Multi resistant Oil seed radish



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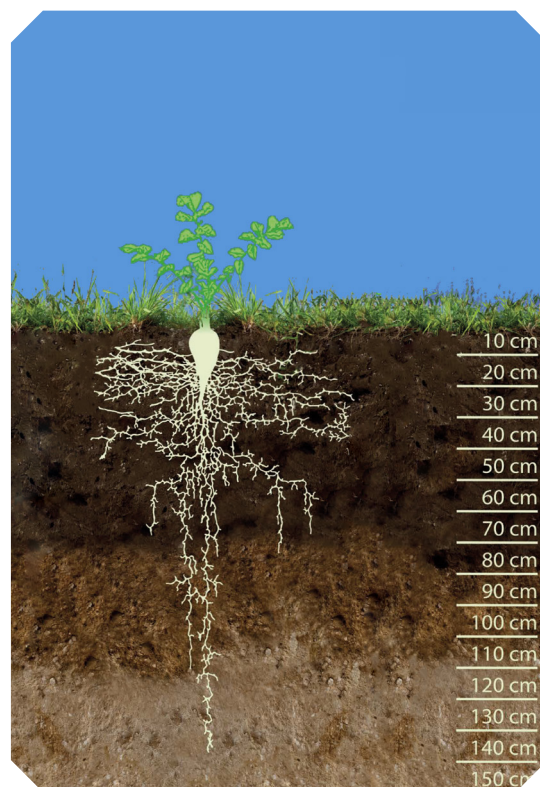
DOUBLET: Multi resistant oil seed radish

Oil seed radish

Oil seed radish is radish that especially is used for cover crops and nematode control. Joordens Zaden has several varieties which all have resistance to different nematodes. Oil seed radish has long tap roots with a wide spread root system which improves the soil structure. Most of the oil seed radish varieties are frost resistant up to minus 6 degrees Celcius.

DOUBLET

DOUBLET has been specially bred to reduce nematodes, it has an unique combination of the highest resistance to beet-cyst nematodes and root-knot nematode. DOUBLET will produce a long tap root up to 2 meter deep, which will improve the soil structure and it is frost resistant up to minus 6°C. DOUBLET is very leafy at the early stages of growth, is easily incorporated for maximum nematode control and is club root resistant. DOUBLET flowers late and will not set seed when sown in late summer or early autumn.



Identity

Countries of inscription: the Netherlands and Germany

Agronomic criteria

- Very good early vigour and soil cover
- Extreme lateness in flowering, in spring and autumn drilling
- After cutting, excellent regrowth
- No lodging noticed

Morphology

- Short plant, leaves in a rosette
- Leaves are dark green
- Colour of flower: white/violet
- Average size of tuber

DOUBLET is resistant to:

- *Heterodera schachtii* (BCN) Nematode Resistant Level 1
- *Heterodera betae* (BCN)
- *Meloidogyne chitwoodi* and *M. fallax* (RKN)
- *Meloidogyne javanica* (RKN)
- *Paratrichodorus allius* (stubby root nematode)

DOUBLET is non-host to:

- *Globodera rostochiensis* and *G. Pallida* (Potato cyst nematodes PCN)
- *Heterodera avenae* (cereal cyst nematode)
- *Heterodera goettingiana* (pea cyst nematode)
- *Meloidogyne naasi* (cereal root knot nematode RKN)
- *Ditylenchus destructor* (potato tuber nematode)
- *Pratylenchus scripnerie* (Scribner's lesion nematode)
- Tobacco rattle virus (TRV)

Sowing advice DOUBLET

Oil seed radish – <i>Raphanus sativus</i> - Bladrammenas - Ölrettich - Radis oléifère				
Sowing rate	Season	Sowing depth	Row distance	Fertilizer
Heavy soils: 25kg/ha Light soils: 20 kg/ha	Spring till late summer	1-2 cm	Like cereals	After cereals: 60-80 kg N/ha Sandy soils: 40kg N/ha 1 month after emerge: 40 kg N/ha

Variety list oil seed radish (NL)

Varieties	Resistance to <i>Heterodera schachtii</i>	Resistance against <i>Meloidogyne chitwoodi</i>	Speed of covering the soil	Flowering time (high figure = late flowering)	Tuber building (high figure = less tuberos)	Relative length	Resistance to <i>Alternaria</i>	Regrowth after cutting
DOUBLET 	0,1	R	7,5	8,5	7,5	92	7,5	7
TERRANOVA 	0,1-0,3	R	7,5	8,5	6	91	6,5	7
DRACULA 	0,1-0,3	R	6,5	9	8,5	46	4,5	7
ANACONDA 	0,1-0,3	R	8	7,5	7	127	7	6,5
CONTROL	0,1-0,3	R	8	8,5	8,5	110	7	7
VALENCIA	0,1-0,3	R	8	8	8,5	126	7	6
MERKUR	0,1-0,3	R	8	8,5	8	113	7	6,5
MELOTOP	0,1-0,3	R	8	8,5	7	111	6,5	6,5
RADETZKY	0,1-0,3	R	7	8,5	7,5	79	7	7,5
TAJUNA	0,1-0,3	R	7,5	7,5	8	122	6,5	6

Source: Dutch Variety list 2017; DELPHY Wageningen