

Brassica Biofumigant Cover Crops

Management

The crop benefits from moderate fertiliser and irrigation to optimise its performance as a biofumigant. Ammonium sulphate at 120kg/ha 3–5 weeks after planting is recommended.

Potential uses

- Biofumigant
 - Suppressed *S. rolf sii*, *Sclerotinia sclerotiorum* and *Macrophomina phaseolina* pathogens by up to 50% when tested¹
 - Non-host for a number of nematodes including Root knot nematode²
- Green manure crop
- Prevents soil loss through rainfall runoff
- Nursery for beneficial insects

Insect and disease issues

- Very tolerant to insect and disease attack
- **Common insect pests include:** Diamondback moth, Centre grub, Flea beetles, Aphids, Rutherglen bug and Whitefly
- **Common diseases include:** Bacterial soft rot and Phytoplasma

Refer to the APVMA for information about chemical control of pests. Always read and understand the label before using any chemical.

¹ Department of Agriculture and Fisheries ² Other sources

Nemsol



Botanical name *Raphanus sativus* and *Eruca sativa*

Synonyms Terranova oilseed radish and Nemat

Seeding rate 10kg/ha

Growth habit

- Both varieties produce leaves in a rosette formation
- White/violet flowers with the radish and cream flowers with the Nemat
- High biomass production, up to 137t/ha fresh weight in Winter

Planting Can be grown all year

Incorporation

- 70 days in Summer
- 98 days in Winter