

# 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
  - Suppression of *Sclerotinia sclerotiorum* in Summer and *Macrophomina phaseolina* in Winter/Spring planting<sup>1</sup>
  - Reported to suppress *Pythium*, *Fusarium*, *Verticillium* Wilt, *Rhizoctonia*<sup>2</sup>
  - Suppress nematodes such as *Meloidogyne* spp., *Heterodera* spp., *Trichodorus* spp., *Ditylenchus* spp.<sup>2</sup>
- Green manure crop
- Prevent soil loss through rainfall runoff
- Nursery to 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.

<sup>1</sup> Department of Agriculture and Fisheries <sup>2</sup> Other sources

# Nemat™



**Botanical name** *Eruca sativa*

**Synonyms** Rocket Lettuce

**Seeding rate** 8kg/ha

### Growth habit

- Low rosette habit
- Less than 1m tall
- Dense foliage
- Shallow roots
- Biomass production up to 117t/ha fresh weight

**Planting** All year round, best during cooler months

**Incorporation**

- 60–70 days in Summer
- 80–90 days in Winter