

# Brassica Biofumigant Cover Crops

## Management

The crop benefits from additional 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 late Winter/Spring, and *Sclerotium rolfsii* in Autumn plantings<sup>1</sup>
- Green manure crop
- Scavenger of leached nutrients
- Prevent soil loss through rainfall runoff
- Nursery to beneficial insects

## Insect and disease issues

- **Significant insect pests include:** Aphids
- **Other common insect pests include:** Diamondback moth, Cabbage centre grub, Whitefly, Rutherglen bug and Flea beetles
- **Common diseases include:** Bacterial Soft Rot, Viruses and Phytoplasma

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

# Tillage Radish<sup>®</sup>



Photo: JD Duff

**Botanical name** *Raphanus sativus*

**Synonyms** Oilseed Radish

**Seeding rate** 10kg/ha

### Growth habit

- Leaves in a basal rosette formation around growing tap root. Tap root can reach over 1m long with part of it extruding from the soil
- Grows up to 100cm tall
- White flowers with pale purple patches
- Biomass up to 230t/ha fresh weight

**Planting** All-season crop, best in cool climate

**Incorporation**

- 70 days in Summer
- 103 days in Winter

<sup>1</sup> Department of Agriculture and Fisheries