

# 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 *Rhizoctonia* in Winter/Spring<sup>1</sup>
  - Resistance to nematodes including *Meloidogyne chitwoodi* and *Heterodera scachtii*<sup>2</sup>
- Green manure crop
- Prevent soil loss through rainfall runoff
- Nursery for 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:** Powdery mildew

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

# Black Jack Radish



**Botanical name** *Raphanus sativus*

**Synonyms** Oilseed radish

**Seeding rate** 10kg/ha

### Growth habit

- Large flat leaves with rosette structure with dark midrib. Root is typically dark in colour almost black on the outside but white on the inside
- High biomass production (80t/ha fresh weight in Summer)

**Planting** All-season crop

- Incorporation**
- 70 days in Summer
  - 103 days in Winter

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