

# Fungisol

## 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 *Macrophomina phaseolina* with a Spring planting, and *S. sclerotiorum* with a Summer planting<sup>1</sup>
  - Suppression of soil-borne pathogens<sup>2</sup>
- Green manure crop
- Prevents soil loss through rainfall runoff
- Nursery for beneficial insects

### Insect and disease issues

- **Significant insect pests include:** Cabbage cluster caterpillar, Diamondback moth, Aphids and Whitefly
- **Other insect pests found include:** Cabbage centre grub, Cluster caterpillar, Thrips, Red-shouldered beetle, Flea beetle and Leaf minor
- **Significant diseases include:** Powdery mildew
- **Other common diseases include:** Bacterial brown rot and White blister

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



Photo: JD Duff

**Botanical name** *Brassica carinata* and *Raphanus sativus* Mix

**Synonyms** Terranova radish 40%  
Cappucchino 60%

**Seeding rate** 10kg/ha

#### Growth habit

- Upright growth as with Cappucchino with understory of the oilseed radish
- Very high biomass production, up to 138t/ha. Subject to lodging

**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