# CTOBER 202

## 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**

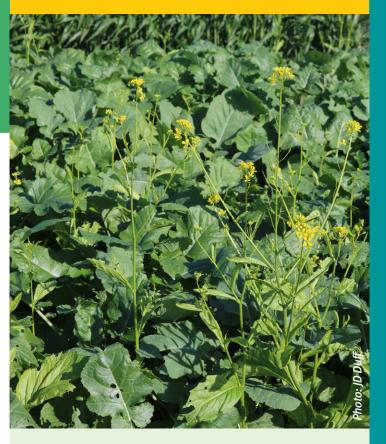
- Biofumigant
  - Suppression of Sclerotinia sclerotiorum and Sclerotium rolfsii with a Summer planting, Macrophomina phaseolina in Winter/Spring and Summer plantings and Rhizoctonia solani in Summer planting<sup>1</sup>
  - Suppression of Fusarium, Phytophthora,
     Pythium, Verticullium<sup>2</sup>
  - Suppression of Root-knot nematodes (Meloidogyne spp.)<sup>2</sup>
- Green manure crop
- Prevent 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, Thrips, Rutherglen bugs, Flea beetles and Leaf minor
- Common diseases include: Bacterial brown rot, Powdery mildew and White blister

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

### **BQ Mulch**<sup>®</sup>



Botanical name	Brassica nigra 25%
	Brassica carinata 75%

Synonyms Black mustard 25% Ethiopian mustard 75%

**Seeding rate** 10kg/ha

#### **Growth habit**

- Medium height crop
- Multiple stems
- High frost tolerance
- Biomass production up to 94t/ha fresh weight in Winter

Planting

All year round but greatest biomass during cooler time of the year

**Incorporation** 

- 44 days in Summer
- 60 days in Winter



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