

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* in with a Spring planting¹
 - Suppression of *Verticillium dahlia*, *Pythium* spp., *Fusarium* spp., *Rhizoctonia* spp.²
 - Low control of nematodes²
- Green manure crop
- Prevent soil loss through rainfall runoff
- Nursery to beneficial insects

Insect and disease issues

- **Significant insect pests include:** Cabbage cluster caterpillar, Diamond back 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

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

¹ Department of Agriculture and Fisheries ² Other sources

Cappuccino



Botanical name *Brassica carinata*

Synonyms Abyssinian mustard
Ethiopian mustard

Seeding rate 15kg/ha

Growth habit

- Tall plant with waxy blue/green foliage similar to broccoli. Pale yellow flowers
- Grows up to 100–180m tall
- Biomass production up to 122t/ha fresh weight. Subject to lodging

Planting All year round, best during cooler months

Incorporation

- 64 days in Summer
- 97 days in Winter