

Summary

- Establishment is a critical time for brassica crops as plant density determines potential yield, and it is the time plants are most vulnerable.
- *Agricote Brassica* assists establishment by providing protection against insect and fungal diseases and supplying molybdenum.

Insect protection

Agricote Brassica provides protection against springtails, aphids and *Nysius* (wheat bug). In trials run by AgResearch Ruakura *Agricote Brassica* gave very good control of springtails and *Nysius* damage, and complete control of aphids.

Seed coating trial results*

Seed treatment	Springtail control	Aphid control	<i>Nysius</i> damaged seedling
<i>Agricote Brassica</i>	96% a	100% a	12% a
<i>Superstrike</i>	96% a	82% a	16% a
<i>Ultrastrike</i>	100% a	100% a	24% a
<i>Untreated seed</i>	0% b	0% b	49% b

*Trials run by AgResearch Rukura. *Agricote Brassica* & untreated seed were *Dynamo* turnip, *Superstrike* & *Ultrastrike* were *Barkant* turnip. LSD (5%) lettering given, treatments with the same letter are not significantly different.

Molybdenum

Agricote Brassica contains the trace element molybdenum required for brassica growth and development.

Fungal pathogens

Agricote Brassica contains fungicides that are active against the fungi responsible for 'damping off' (*Fusarium*, *Pythium*, and *Rhizoctonia solani*).

Sowing rate

Agricote Brassica coating results in a 5% weight increase. Normal sowing rates apply as a 5% reduction in the amount of seed sown is compensated by the increased success in establishment.

Withholding period

42 day withholding period for *Agricote Brassica* applies.

Seed treatment comparison

Treatment	Insect protection			Fungal pathogens (<i>fusarium</i> , <i>pythium</i> , & <i>rhizoctonia solani</i>)
	Springtails	Aphids	<i>Nysius</i>	
<i>Agricote</i>	✓	✓	✓	✓
<i>Superstrike</i>	✓			✓
<i>Ultrastrike</i>	✓	✓	✓	✓
<i>Gaicho</i>	✓	✓	✓	