

Quick reference chart showing withholding periods for each product on each crop.

Introduction






1. The 'withholding period' is the time to allow between spraying and harvest, by which time the pesticide has degraded to a harmless level, (only 1 day for most garden products).
2. The following charts are provided as a quick reference and to compare products at a glance. They include products commonly available in most garden centres and major hardware stores, but may not include unregistered, unproven, limited distribution, or some 'house brands'.
3. For a number of home garden crops that are only grown commercially in very small quantities, the cost of research to obtain label claim registration is prohibitive. For these lesser crops, pesticides are used 'off label', which means a pesticide registered for use on a related crop is normally used, observing a similar withholding period. Hence - where there are no registered reasonably effective home garden pesticides for particular crops, the charts in this book recommend 'off label' use in a few instances. These 'off label' recommendations are printed in blue and asterisked.
In most cases there are alternative soft organic options, but these are often less effective and frequently more expensive.
4. BioGro Certified organic products are printed in green. Some new organic pesticides are safe and very effective. Some are less effective, and some are toxic and not approved for use on edibles.
4. Not all natural organic pesticides are safe or approved for use on food crops. eg. Three brands of Neem available are registered and approved for use on edibles, contain 10g/litre of active ingredient, and are free of natural toxins. Three other brands which are not approved for use on food crops, contain only 3g/litre of active ingredient and may contain high levels of natural toxins.
BioGro certified organic – is certified free of synthetic chemicals - it is NOT certified free of natural toxins, it is NOT certified safe to use on food crops, it is NOT certified effective for purpose. Some synthetic pesticides are of lower toxicity than some BioGro certified organic ones.
Always use a pesticide that is registered under the ACVM Act 1997 for use on food crops

This 2023 information updates the charts which appear in Bill Brett's books – *Garden Pest & Disease Control* & *The Home Orchard*.

Look also for other quick reference charts which compare effectiveness, safety, eco – friendly, and cost.






More information can be found at www.gardenadvice.co.nz

Withholding Period Chart

Vegetables	Withholding period between spraying and harvesting - Number of days							
	Brassicas	Cucurbits	Herbs	Lettuce	Onion	Potatoes	Tomatoes	Others
Insecticide Concentrates								
Yates Mavrik	3	7	NR	NR	14	7	3	14*
Yates Success Ultra	3	NR	NR	NR	3	7	3	14*
Grosafe Enspray 99 Oil 	1	1	1	1	1	1	1	1
OCP Eco- Oil 	1	1	1	1	1	1	1	1
Yates Natures Way Pyrethrum	1	1	1	1	1	1	1	1
Yates Natures Way Natrasoap 	1	1	1	1	1	1	1	1
Kiwicare Organic Insect Control 	1	1	1	1	1	1	1	1
BioNeem; Eco-Neem; Naturally Neem 	1	1	1	1	1	1	1	1
Other brands of Neem	Not approved for use on food crops							
Insecticide- Ready to use								
Yates Tomato Dust	3	NR	NR	NR	NR	NR	3	14*
Yates Mavrik Gun	3	7	NR	NR	14	7	3	14*
Natures Way Vegie Insect Gun	1	1	1	1	1	1	1	1
Natures Way Fruit & Vege Gun	1	1	1	1	1	1	1	1
Derris Dust	1	1	1	1	1	1	1	1

Recommended Products

				
BioNeem or Eco-Neem	Enspray 99 Oil	Eco-Oil	Success Ultra	Mavrik

Vegetables	Withholding period between spraying and harvesting - Number of days							
	Brassicas	Cucurbits	Herbs	Lettuce	Onion	Potatoes	Tomatoes	Other vegetables
Grosafe Free Flo Copper 	1	1	1	1	1	14	1	1
Copper oxychloride	1	1	1	1	1	1	1	1
Yates Liquid Copper	1	1	1	1	1	1	1	1
Eco-Fungicide 	1	1	1	1	1	1	1	1
Grosafe Enspray 99 Oil 	1	1	1	1	1	1	1	1
Natures Way Fungus Spray 	1	1	1	1	1	1	1	1
Kiwicare Super Sulphur 	1	1	1	1	1	1	1	1
Fungicide- Ready to use								
Yates Fungus Gun	Not recommended for Vegetables							

NR = Not recommended

* Off Label recommendation

* = Do not apply after fruit set



BioGro Certified Organic






Recommended Products



Free Flo Copper contains copper hydroxide which has a particle size 20x finer than copper oxychloride resulting in greater coverage and adhesion. Protects against blights and leaf spots on vegetables. Does not control powdery mildew or rust. BioGro certified organic.






Eco-Fungicide contains potassium bicarbonate which kills spores of powdery mildew, rust, botrytis, and black spot. Also provides short term protection. Spraying at 7 – 10 day intervals may be necessary but it is very economical. BioGro certified organic.

Fruits	Withholding period between spraying and harvesting - Number of days											
	Apples	Avocado	Cane – Brambles Berryfruits	Citrus	Feijoa	Grapes	Kiwifruit	Passionfruit	Pears	Stone fruit	Strawberries	Tamarillo
Yates Mavrik	NR	14	14*			Pre Flower	Pre Flower	14*	NR	Pre shuck fall	14*	60
Yates Success Ultra	3	3	14*	14	14	42	14	14	3	1	14*	14
Grosafe Groventis	14	NR	7	21	NR	Pre Flower	Pre Flower	NR	35	NR	NR	NR
Grosafe Spinosad (Coming soon)	 3	1	14*	14	14	42	14	14	3	1	14*	14
Mineral Spraying Oil – Grosafe Enspray 99	 1	1	1	1	1	1	1	1	1	1	1	1
Kiwicare Super Spraying Oil McGregors Spraying Oil Yates Conqueror Oil	1	1	1	1	1	1	1	1	1	1	1	1
Natures Way Pyrethrum	1	1	1	1	1	1	1	1	1	1	1	1
Kiwicare Organic Insect Control	 1	1	1	1	1	1	1	1	1	1	1	1
Yates Natures Way Natrasoap	 1	1	1	1	1	1	1	1	1	1	1	1
BioNeem; Eco-Neem; Naturally Neem	 1	1	1	1	1	1	1	1	1	1	1	1
Other Neem Brands	Not approved for use on edibles											
Insecticide- Ready to use	Not practical on fruit trees											

Recommended Products

		
Grosafe BioNeem or OCP Eco Neem or Naturally Neem	Grosafe Enspray 99 Oil	Yates Success Ultra
Acts as a repellent against sucking insects, it is not particularly effective alone but works very well in mixture with Enspray 99.	At 99.8% this oil is the most pure available. Used on deciduous fruit in winter as a clean up and on citrus year round for sucking insects.	Controls chewing insects on all fruits. Especially effective for codling moth, leaf roller, guava moth and other caterpillars plus weevils and beetles.

Fruits	No of days withholding period between spraying and harvesting										
	Avocado	Cane – Brambles Berryfruits	Citrus	Feijoa	Grapes	Kiwifruit	Passionfruit	Pip fruit	Stone fruit	Strawberries	Tamarillo
Yates Fungus Fighter	NR	NR	NR	NR	28	NR	NR	35	70*	NR	NR
BotryZen (fungal culture) 	NR	NR	NR	NR	5	*	NR	NR	*	*	NR
Grosafe Free Flo Copper 	1	1	1	1	1	1	1	1	1	1	1
Copper oxychloride	1	1	1	1	1	1	1	1	1	1	1
Yates Liquid Copper	1	1	1	1	1	1	1	1	1	1	1
Natures Way Fungus Spray	1	1	1	1	1	1	1	1	1	1	1
Kiwicare Super Sulphur 	1	1	1	1	1	1	1	1	1	1	1
Fungicide- Ready to use	Not practical for use on fruits										

NR = Not recommended

* Off Label recommendation



BioGro Certified Organic

* = Do not apply after fruit set

Recommended Products



Free Flo Copper contains copper hydroxide which has a particle size 20x finer than copper oxychloride resulting in greater coverage and adhesion. Protects against blights and leaf spots on vegetables. Does not control powdery mildew or rust.

BioGro certified organic.



Fungus Fighter contains myclobutanil, a systemic fungicide for control of black spot and powdery mildew on pip fruit. Also controls brown rot on stone fruit when applied during and immediately after flowering.



BotryZen is a non-pathogenic fungal culture when sprayed on during and immediately after flowering colonises the area and prevents the development of the brown rot disease. It is an organic alternative to Fungus Fighter above. Success is largely influenced by the temperature during flowering/application

BioGro certified organic..