

Pest and Disease organic treatments for growing plants

Simple recipes from Marnie Johnson's U3A workshop that use pantry or simple ingredients

- 1. Wormwood Spray** *repels slugs, snails, mosquitos, flies and stink beetles*
Cover wormwood leaves with boiling water, soak 12 hours
Dilute strained liquid 1 part wormwood juice to 4 parts water
The solution will last six months
Spray around the area or water around plants
- 2. Milk spray** *mildew on tomatoes, black spot on roses*
1 part milk to 9 parts water
spray on areas of mildew and black spot above and below
- 3. Chive Spray** *mildew and fungus on cucumbers and zucchini and for apple scab*
chop up chives steep in boiling water, spray strained liquid
- 4. Garlic paper with corn husks and clematis leaves spray**
prevent fungus on everything
Chop up leaves, blend with water, strain, spray.
- 5. Camomile flowers or teabags** *mild fungicide against powdery mildew, brown rot*
Soak 2 to 3 teabags in boiling water
Spray cooled liquid on seedlings and everything
- 6. Tomato wilt and yellowing strawberries**
The wilt is in the soil, so solarise the soil for 3 months then use a bio fumigant
e.g. grow mustard or brassicas as a green crop to dig back into the soil
- 7. Real cinnamon powder not cassia** *brown rot and damping off*
Damping off: sprinkle around seedlings
Brown rot: sprinkle on vegetables and fruit trees particularly the blossom and fruits
- 8. Willow Bark Tea or Asprin tea** *preventative folia spray*
Steep willow bark or 1 tablet Asprin in 1 litre of water
Spray once a fortnight as a preventative, this helps resist disease
- 9. Bicarbonate spray** *against fungus, grapes soft leaved vegetables*
1 tablespoon bicarbonate of soda
2.5 tablespoons sunflower oil
Mix in 4 litres of warm water
Then emulsify using 1/2 teaspoon Nivea baby soap, a pure liquid soap
Hose plants first then spray. spray again after rain. Keeps for years.
- 10. White oil** *scale and stink bugs, leaf miners*
2 cups vegetable oil
1/2 cup pure liquid soap diluted
Shake well, use within three months
Don't use on soft or hairy leaves like lettuce. Kills butterflies and moths
- 11. Stink bugs and Caterpillars**
Pick off bugs and caterpillars, you can whizz them in blender and strain and spray
plants against them.

- 12. Apple vinegar** *black spot on roses*
1 tablespoon of apple vinegar
4 litres of water
Spray on sturdy plants
- 13. Horse Radish** *Insecticide for apple trees*
Grate 1/2 cup of horseradish with 1 litre of water
- 14. Soap spray** *aphids and red spider mite*
1 tablespoon liquid soap, Nivea baby soap to 4 litres of water
Spray on top and underneath leaves
- 15. Garlic and pepper spray** *against animals, rabbits etc*
6 cloves garlic
1 tablespoon hot pepper
1 minced onion
1 teaspoon natural liquid soap
blend in 4 litres boiling water, leave to steep for a few days, strain, spray

or sprinkle hot chilli powder on leaves but wash before eating the veggies.
- 16. Hot spray** *against rabbits, dogs and bandicoots*
4 teaspoons hot mustard powder
3 teaspoons cayenne pepper
2 tablespoons chilli powder
1 tablespoon Tabasco sauce
Mix in 4 litres of water. Wear gloves and mask
- 17. Kelp foliar spray** *to build strength against frost, black spot, brown rot, citrus curly leaf*
1 cup chopped kelp or seaweed
4 litres of water
Soak spray, but remove any citrus curly leaves first
- 18. Nettle tea** *aphids and powdery mildew* soak nettles for three weeks
- 19. Algae on paths** 1 part cheap vinegar to 3 parts water
- 20. Coffee grounds** *snails and slugs*
Espresso coffee from beans
10 parts water 1 part coffee
strain and spray
- 21. Diatomaceous Earth** *snails and slugs, aphids etc.*
scatter on soil to repel snails and slugs, spray on foliage to kill aphids
and other soft bodied pests, reapply after rain.
- 22. Quasia Chips** *repel possums* 200 gm chips in a bucket of water, soak 24 hours,
strain, spray on foliage for five days in a row, leave a week before harvest.
- 23. 3% hydrogen peroxide** *for bacteria*

