



PERMACULTURE

Gardening
Essentials

Garden Chat
30/5/20

Slideshow developed by
Kazel Cass in collaboration with Plenty Permaculture
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What to plant in my zone in winter?

- <https://www.gardengrow.co.nz/zones/New%2BZealand%2B-%2Bcool~mountain>
- Frost cloth
- If growing in trays let them get at least 3- 5 true leaves, and bury the stems of brassicas



Invasive weed management

- <https://www.weedbusters.org.nz/weed-information/weed-list/climbing-asparagus/>

What can I do to get rid of it?

Maintain rolling front of control, work out from inner bush.

1. Dig out tubers. Dispose of at a refuse transfer station, burn or bury. Other plant material can be left on site to rot down.
2. Spray (spring-early summer only): glyphosate (20ml/L). Do not add penetrant when spraying against tree trunks. Spray lightly, avoiding runoff, total coverage not required.
3. Spray (autumn and winter in frost free areas and on healthy growth): glyphosate (10ml/L). Infestations of plants taller than 60cm should be cut at a height of 30-60cm then this lower vegetation can be carefully sprayed. The remaining cut material will die without the need for treatment. Spot spray any missed plants within 30-60 days.

What can I do to stop it coming back?

Tubers usually resprout after spraying, stems break at ground level so plants cannot be pulled. Tuber fragments survive digging. Follow up at least 6 monthly. Seed longevity probably short. Replant treated areas where possible after 2-3 treatments to establish dense ground cover and minimise reinvasion.



What can I grow when there is low light?

- Most winter vegetables require at least **6 hours of sunlight per day** to grow. 8 hours is best
- More light is needed if the part of the plant you want to eat is the root, flower or fruit. Thin leaves require the least sunlight – lettuce, silverbeet
- Since tomatoes also require at least 6-8 hours of sunlight, a summer garden can be on the east or west side, missing morning or evening sunlight
- Winter gardens need to be able to have access to **all** of the available light or you are unlikely to get any harvest. That means a prime location that isn't shaded
- If you don't have this, then consider growing sprouts, or look at foraging for edible weeds www.juliasedibleweeds.co.nz

Soil nutrients etc

- Organic matter
- Leaves, mulch, food scraps, worm bins, compost, lawn clippings, wood ash, biochar, newspaper, cardboard, sawdust, seaweed, rotten logs, coffee grinds, pet fur, road kill.
- <https://www.hill-laboratories.com/client-resources-2/crop-guides/>
- To reduce acidity (clay soil) add calcium (bones, eggshells) or wood ash

Simplest Lasagna Gardening Layers



REPEAT: Browns & Greens to ~3 feet high
(this will cook down to ~2')

GREENS - vegetable scraps, grass clippings

BROWNS

leaves, shredded paper, straw

WATER - Soak the paper layer with water

PAPER - cardboard, newspaper

GROUND - dirt, grass or weeds

Use what you have.

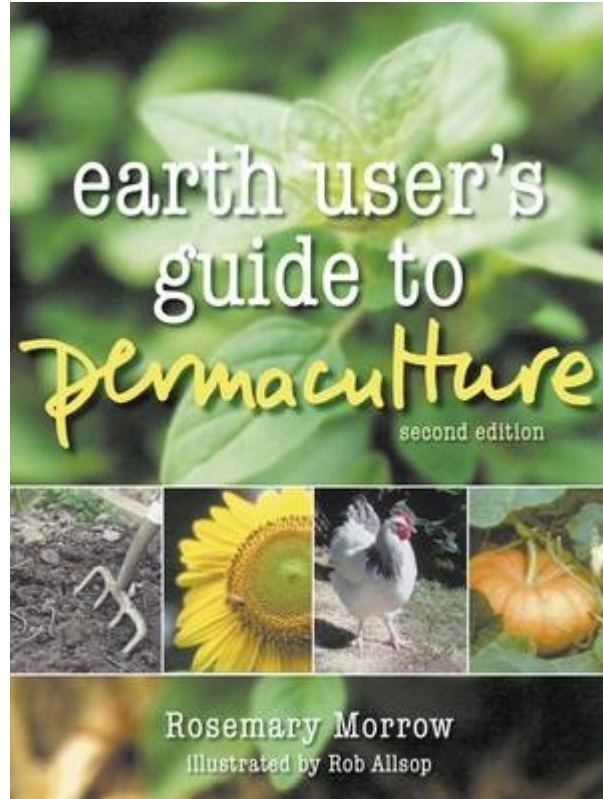


Permaculture garden, in a grow-bag?

Key concepts to consider

- Zones
- Multi-function
- The 'reason for being' – what needs do you have that having a garden is filling, and can these needs be met in other ways?
- How to start, and develop a garden from small scale to fully self sufficient? Permaculture says 'make slow changes'.

Favourite permaculture book?



New Course Starts 6 June 2020

- **Saturday dates 2020**

06 Jun	Seed Saving
27 Jun	Propagation of Winter Hardwoods
18 Jul	Understanding Soils 1
01 Aug	Winter Fruit Tree Pruning
15 Aug	Fruit Tree Grafting
29 Aug	Understanding Soils 2
12 Sep	Propagation of Spring Seeds
17 Oct	Understanding Soils 3
07 Nov	Propagation of Summer Softwoods
21 Nov	Weed Management
05 Dec	Understanding Soils 4

2021

13 Feb	Pests
27 Feb	Companion Planting, plants for bird and insect retention
13 Mar	Summer Fruit Tree Pruning
27 Mar	Propagation - Autumn Semi-Hardwood
10 Apr	Diseases
08 May	Crop Management

- Enrol here: <http://www.plentypermaculture.co.nz/gardening-essentials/>



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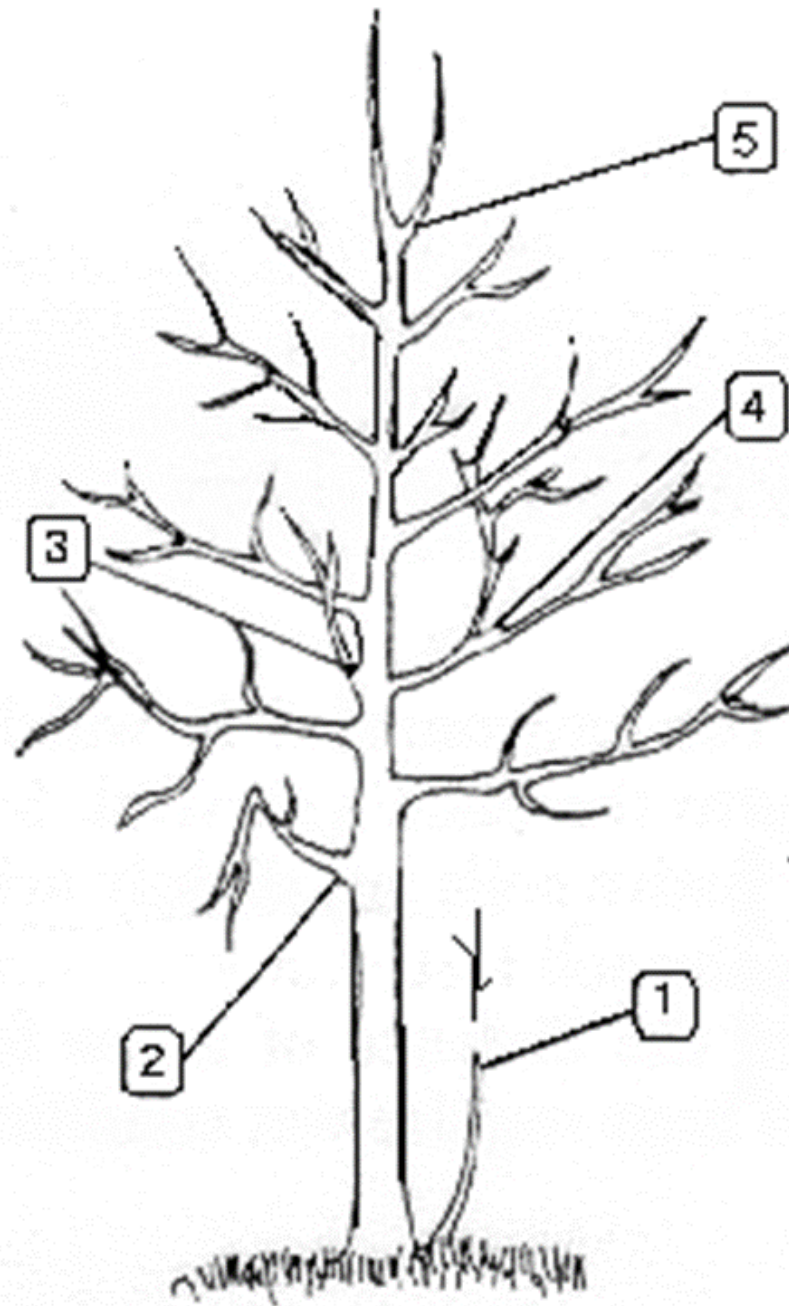
Gardening Essentials Course

- Covers all the critical things you need to understand and be able to do to garden successfully and grow food

17 sessions work around holidays and work with the seasons

- Starts 6 June 2020, ends 17 May 2021
- Sessions are available online and face to face for those in the Tauranga area.
- Four day window to watch the pre recorded lecture online, then attend the live discussion on the Saturday. Keep all the reading materials and handouts.
- We have an half price offer until next Sunday 8 June.
- Sign up for individual sessions that appeal to you at \$39.95 per session.
- Sign up for the entire course and price per session drops to \$35.00 (\$599.95 one time payment)
- We have one online course to giveaway on Facebook

Pruning basics



- 1. sucker
- 2. broken branch
- 3. water sprout
- 4. interfering branch
- 5. double leader

Codling moth and Peach brown rot

- Codling moth – know the lifecycle, know which stages to interrupt.
- Hormone, and organic attractants for moths
- Greasy corrugated cardboard for caterpillars

- Peach brown rot – remove the mummified fruit now
- If applying copper, do it from bud burst and every two weeks.