



# Summer Fruit Tree Care

Carole Kent  
UCMG, Napa County  
June 1, 2023



UC Master Gardeners of Napa County  
<http://napamg.ucanr.edu/>

*Our mission: "To extend research-based knowledge and information on home horticulture, pest management, and sustainable landscape practices to the residents of California and be guided by our core values and strategic initiatives."*



## **Help Us Better Serve You!**



Our follow-up survey provides us the tools we need to grow and improve the quality of our program.



Develop a Relationship!

# Two Fruit Tree Types

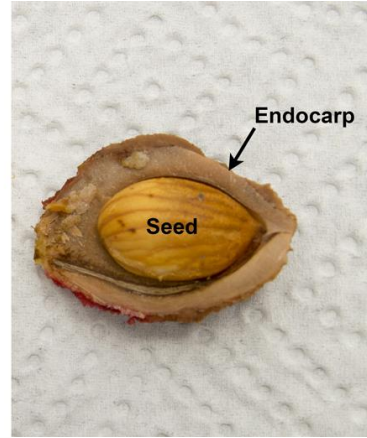
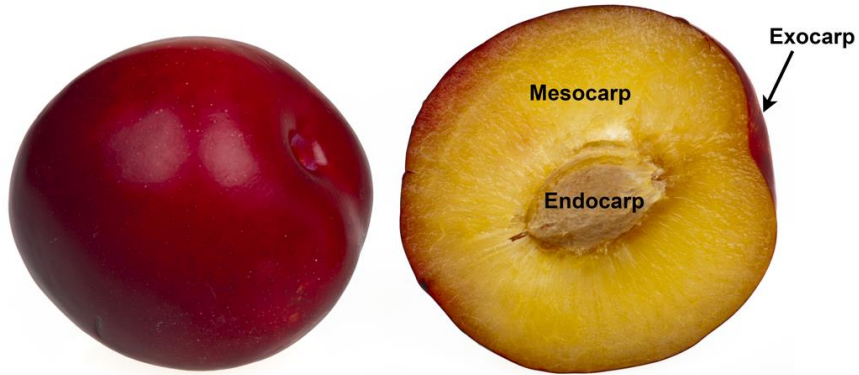
## **Pome**

- Rosacea family
  - Apple
  - Pear
  - Asian Pear
  - Pomegranate
  - Quince

## **Stone**

- Prunus family
  - Apricot
  - Cherry
  - Peach
  - Plum
  - Nectarine

## Stone (Drupe) Fruit



[Red plums](#) (Evan-Amos, via Wikimedia Commons, [Public Domain](#))

## Pome Fruit



Hereford Cross Apple, National Fruit Collection, Open Government License, via Wikimedia Commons

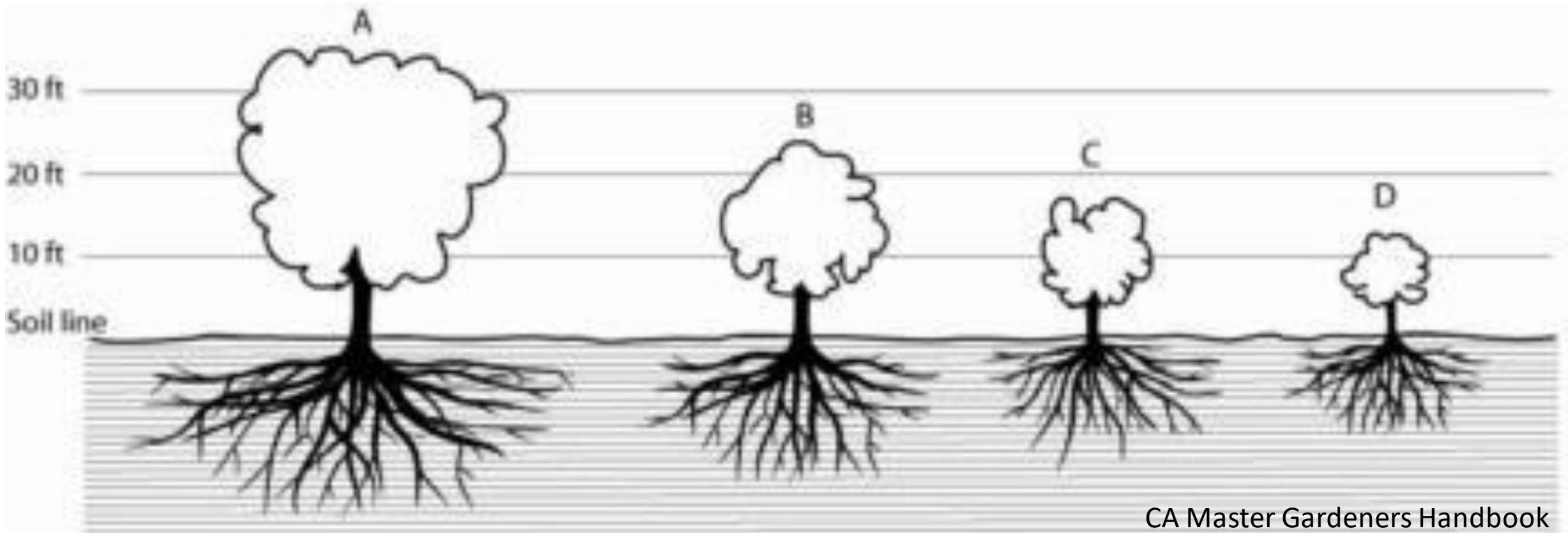
# Tree Sizes

Standard

Semi-dwarf

Dwarf

Genetic Dwarf



CA Master Gardeners Handbook

# Compost is the Key

3" deep ring, extending out 50% beyond canopy

Benefits: weed suppression, evaporation reduction, erosion and compaction control

Fertilizer?

If needed, feed tree a balanced (10-10-10) fertilizer in early Spring and early Summer



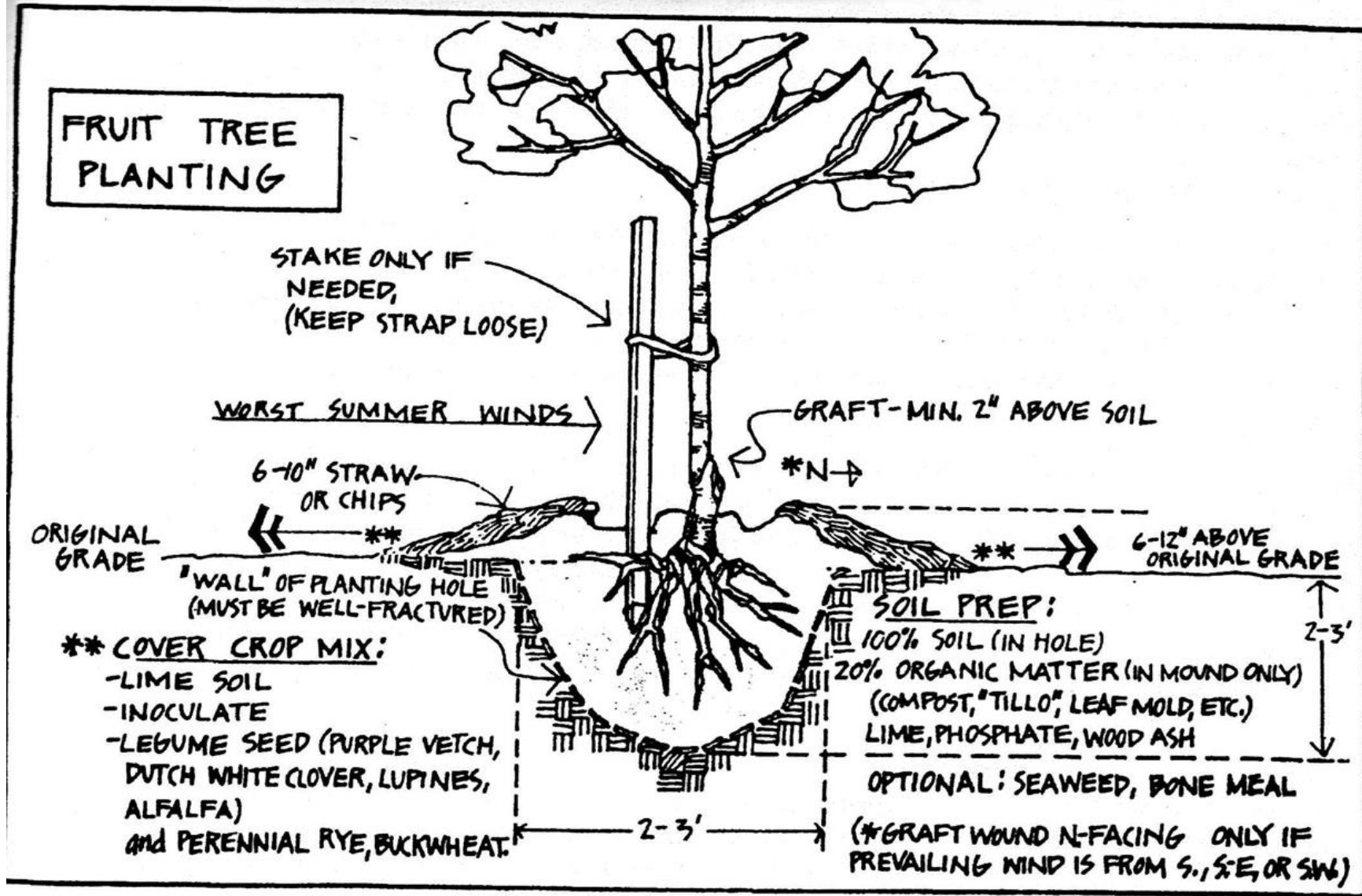
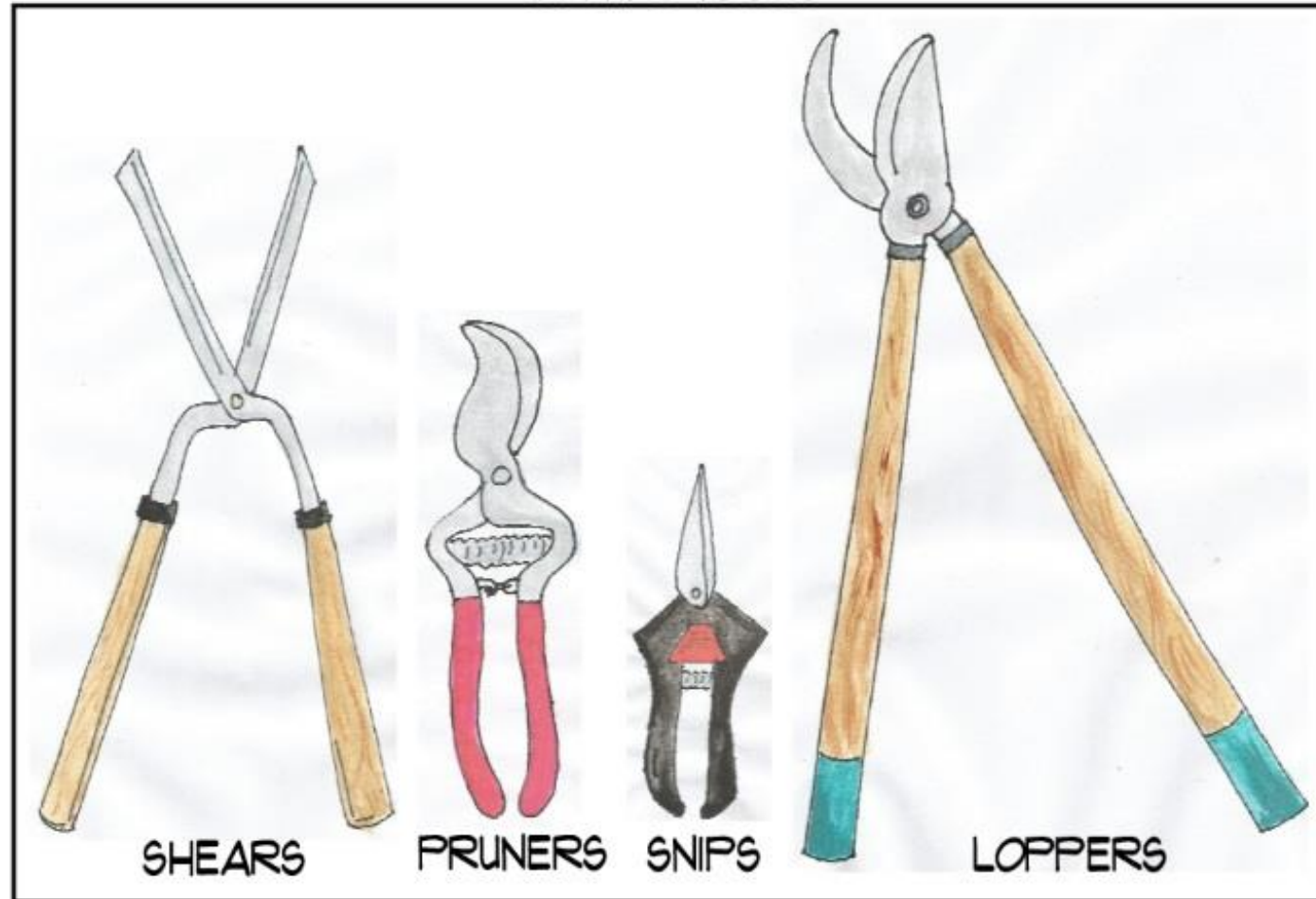


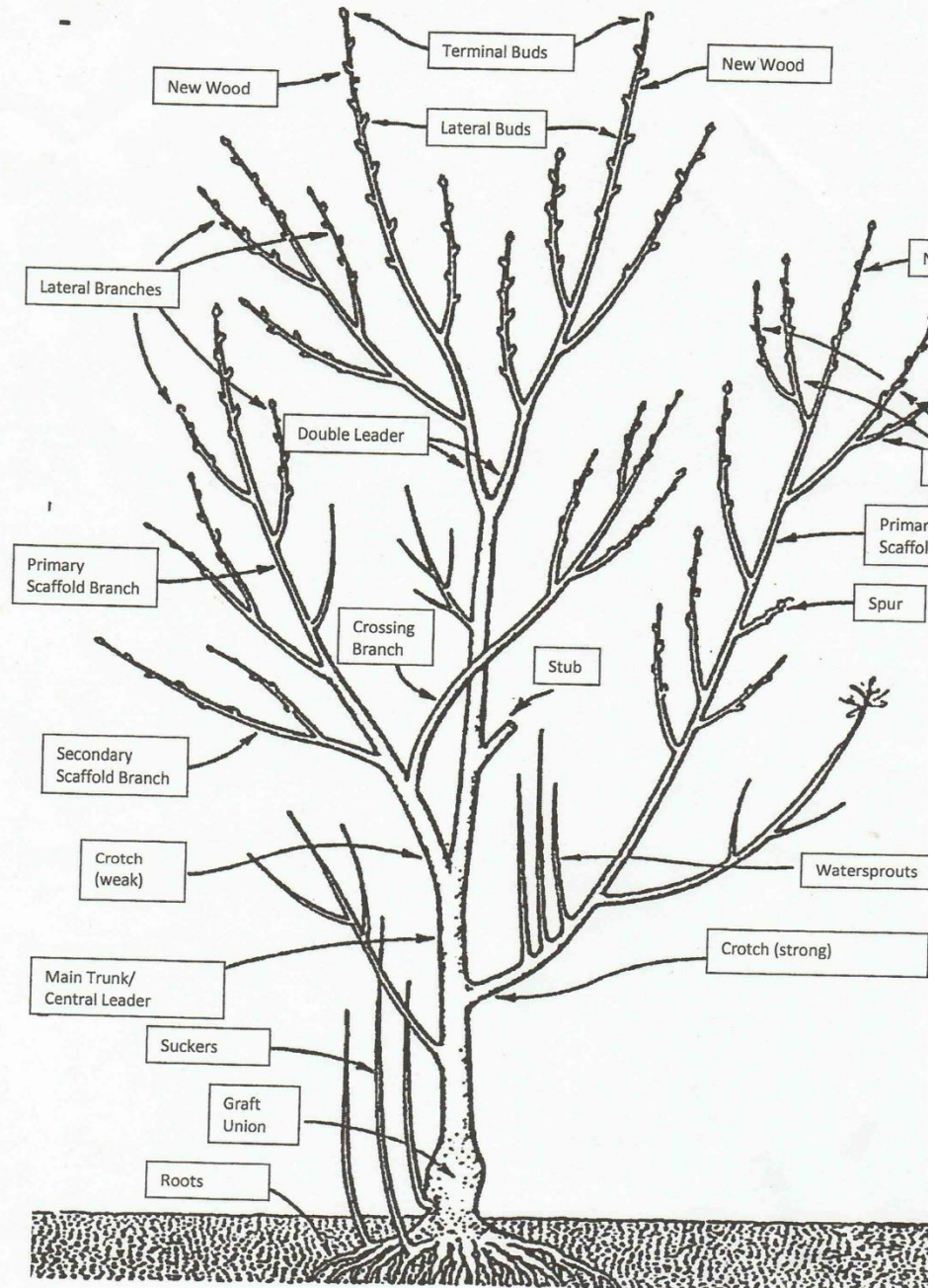
Illustration: From "Your Edible Landscape- Naturally" by Robert Kouric

# Tools

## CUTTING TOOLS



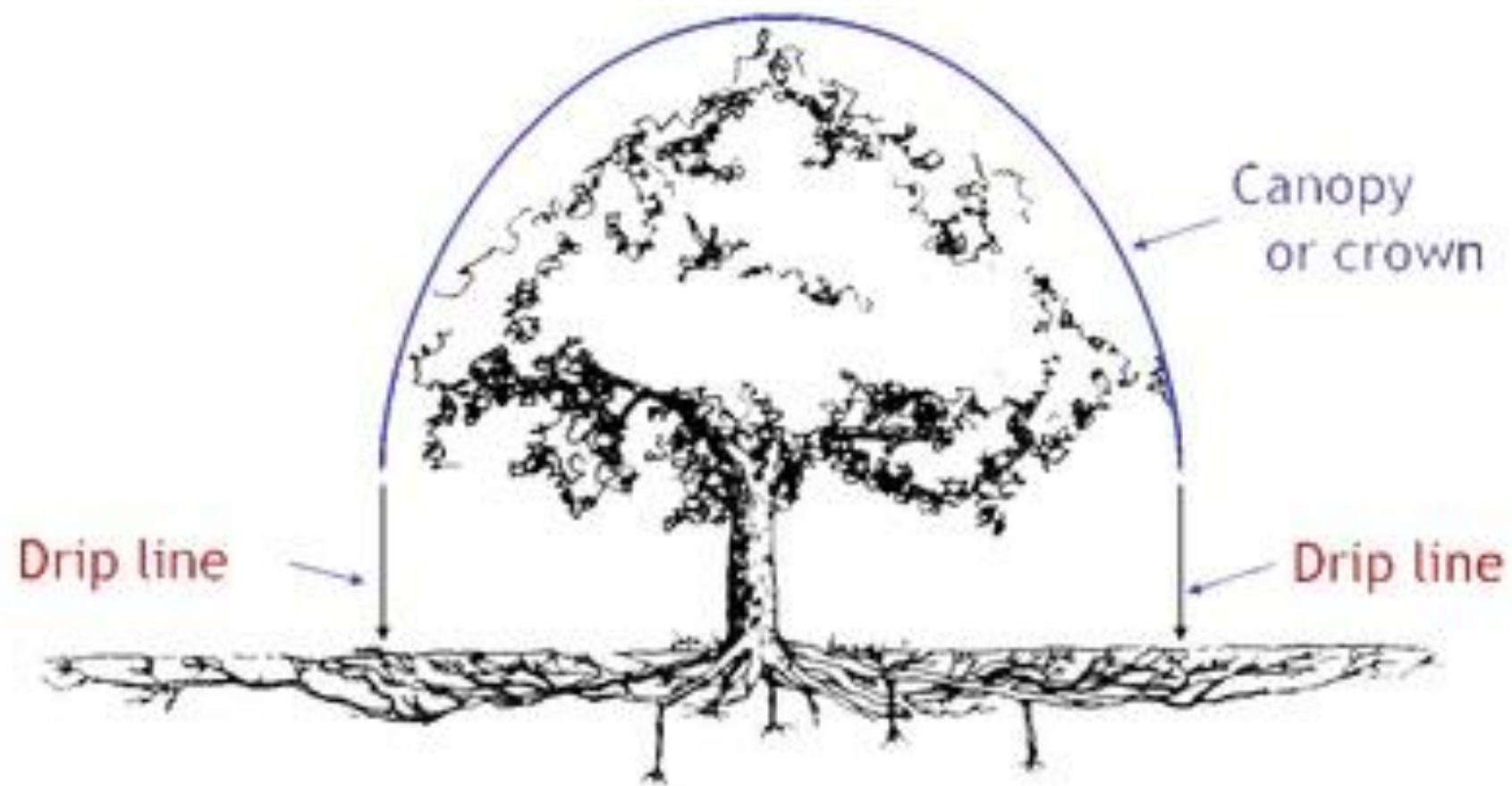
# Pruning



# Daily Water Use (gal/day)

Tree Age (size).	Cool—early spring or late fall, foggy 0.10 in/day	Warm, spring or fall, some fog .20 in/day	Hot, midsummer, windy, no fog .25 in/day	Very hot (100 F), midsummer .30 in/day
1 sq. ft.	0.062	0.125	0.156	0.187
1 yr old (4 sq. ft.)	0.25	0.50	0.62	0.75
2 yrs old (10 sq. ft.)	0.62	1.25	1.56	1.87
3 yrs old (36 sq. ft)	2.25	4.5	5.61	6.73
4 yrs old (100 sq. ft), semi dwarf, mature	6.20	12.5	15.6	18.7
Large standard, mature tree (300 sq. ft)	18.6	37.5	46.8	56.1

From California Master Gardener Handbook, p. 511



# An Ounce of Prevention...



<https://ipm.ucanr.edu/PMG/GARDEN/ENVIRON/whitewashing.html>

UC Statewide IPM Project  
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## Prevent Sunburn



## Enrich Soil



[arinmg.ucanr.edu/BASICS/COMPOST\\_-\\_OTHER\\_SOIL\\_AMENDMENTS/Compost/Howtousecompost/](http://arinmg.ucanr.edu/BASICS/COMPOST_-_OTHER_SOIL_AMENDMENTS/Compost/Howtousecompost/)

## Discourage Pests



W. Carter. CC SA 4.0 Wikimedia Commons

# Integrated Pest Management (IPM)

Use chemicals as little as possible

Learn to recognize and encourage beneficial insects

Use the safest spray, at the right time

1:45 PM Sun May 14

UNIVERSITY OF CALIFORNIA AGRICULTURE & NATURAL RESOURCES

# UC IPM

Statewide Integrated Pest Management Program

What is IPM? Identify & Manage Pests Research Publications Training & Events Links About Us Contact Us Subscribe

*Solve your pest problems with UC's best science*

**MAKE A GIFT** | Support UC IPM's mission to make integrated pest management the way to manage pests

## What's New

- Pest Notes: [Voles \(Meadow Mice\) and Wild Blackberries](#) revised, [Botryosphaeria Canker](#) added
- Green Bulletin: [Winter 2023](#)
- Ag Pest Management: [Cherry and Citrus](#) revised
- Home & Garden Pest Newsletter: [Fall 2022](#)
- Agriculture: [2022 Fungicides, Bactericides, Biocontrols, and Natural Products for Deciduous Tree Fruit and Nut, Citrus, Strawberry, and Vine Crops in California \(PDF\)](#)
- Three new videos about the invasive shothole borers' [biology, trapping, and management](#) were

## Home, Garden, Turf & Landscape Pests



## Agricultural Pests



## Natural Environment Pests

## Exotic & Invasive Pests

<https://ipm.ucanr.edu>

# Beneficial Insects

Lacewings  
(*Chrysopidae*)



Ladybirds  
(*Coccinellidae*)



Leatherwings (*Choliognathus*)



Predacious Ground Beetles (*Carabidae*)





# More Beneficials

Wasps (*Vespidae*)



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Pirate Bugs (*Orius*)



Photo by Jack Kelly Clark.

UC Statewide IPM Project  
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Praying Mantis (*Mantis religiosa*)



Photo by Jack Kelly Clark.

UC Statewide IPM Project  
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# Insect Pests

## Codling Moth (*Cydia pomonella*)



Photo by Jack Kelly Clark.



Damage Apples and Pears

## Peach Twig Borer (*anarsia lineatella*)



<https://ipm.ucanr.edu/agriculture/peach/peach-twig-borer/>. c.2023 UC Regents

Damage peaches, nectarines, apricots, plums

# More Pests

## Scale (*Coccoidea*)



San Jose Scale and Kuno scale  
both damage stone fruit trees

## Aphids (*Aphidoidea*)



Many varieties damage pome and  
stone fruit trees

# Diseases

## Peach Leaf Curl



## Brown Rot



By William Coates. C. 2023 UC Regents

## Fire Blight



## Scab



# Disease Rx: call the MG Help Desk



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## Garden Questions



### Help Desk Portal

On

Our Help Desk is open for your garden questions on Mondays and Fridays, from 10 am until 1 pm. Email a brief description of your problem, your address and phone number to [mastergardeners@countyofnapa.org](mailto:mastergardeners@countyofnapa.org)

For best results, attach a photo of the plant. You may also leave a phone message describing the problem at [707-253-4143](tel:707-253-4143). Please include your phone number and email address.

Volunteer Master Gardeners will get back to you after they have researched your questions. You may bring in plant samples on Mondays and Fridays from 10 am til 1 pm.

### Gardening Resources

Find a Wealth of Garden Books and other Resources  
at this link!

[Garden Books and Resources](#)



# References

## Print:

Eierman, Colby (2012). Fruit Trees in Small Spaces: abundant harvests from your own backyard. Timber Press.

Flint, Mary Louise, ed. (2018). Pests of the Garden and Small Farm: a grower's guide to using less pesticide, 3<sup>rd</sup> ed. University of California.

Otto, Stella (1994). The BackYard Orchardist: a complete guide to growing fruit trees in the home garden. Otto graphics.

Pittenger, Dennis, ed. (2015) California Master Gardener Handbook, 2<sup>nd</sup> ed. University of California

## Online:

University of California Agriculture and Natural Resources. IPM. <https://ipm.ucanr.edu/>

University of California Agriculture and Natural Resources. The California Backyard Orchard. [https://homeorchard.ucanr.edu/Fruits\\_&\\_Nuts/](https://homeorchard.ucanr.edu/Fruits_&_Nuts/)

# Upcoming Events

- 6/10/23 10am-noon**      **Summer Rose Care (Zoom):** Attendees can also attend a “hands on” follow up session at Fuller Park on 6/14, from 10-noon. Register at <https://surveys.ucanr.edu/survey.cfm?surveynumber=40838>
- 6/11/23 10am-noon**      **Free, Guided Tree Walk in Fuller Park, Napa (corner of Jefferson and Oak)**  
Register at <https://surveys.ucanr.edu/survey.cfm?surveynumber=40548>
- 6/11/23 3pm-4pm**      **Food Growing Forum (Zoom): Beauty and Function in the Garden—Mixing Ornamental and Edible Plants**  
Register at <https://ucanr.edu/2023FoodForumJune>
- 6/24/23 10am-noon**      **Low Water Gardens**  
**Las Flores Learning Garden, 4300 Linda Vista Avenue, Napa**  
Free, but register at <https://surveys.ucanr.edu/survey.cfm?surveynumber=40259>
- 7/6/23 7pm-8pm**      **Library Talk: What’s Bugging You? (Zoom)** Good bug? Bad bug? Disease? If something in your garden’s bugging you, tune in to find out what it is, and what to do about it! Register at <https://ucanr.edu/2023Jul6LibraryTalk>



FIND this slideshow & further resources  
on our website:

UC Master Gardeners of Napa County  
<http://napamg.ucanr.edu>



Questions