Nut Trees

Walnut

Ross Penhallegon

Walnut (Juglan spp.)

- Butternuts
- English
- Persian
- Black (Juglan)

A large bloomer, mid to late May

Pollination

- male and female parts both on same tree
- may take 10 years to get nuts

Walnut Varieties

- Payne
- Hartley
- Franquette, froze out in ‘60’s
- Spurgeon
- Carpathian, thin shelled

Spacing

- 25 to 40 feet

Fertilization

- Nitrogen - one pound per year
- Boron - sparingly and use 4 to 5 pounds
- Borax soap per tree only when deficient
- Regular irrigation
Diseases
- Walnut blight
  - copper in March
- black line

Pests
- Walnut husk fly
  - use yellow sticky boards
  - July 15 - August 5
- squirrels

Harvest
- October/November

Hazelnuts or Filberts
- *Corylus avellana*
- bloom January and February
- See EC 1219 “Growing Hazelnuts in Oregon” (cost)

Varieties
- Butler - pollinizer
- Ennis - best yield (prone to EFB)
- Barcelona - standard, fat and round nut
- Daviana - pollinizer, prone to EFB, long nut
- Lewis - new
- Clark - new
- Willamette - new
- Halls Giant
- Casina
- Sacagawea
- 007
- (any nut with the Gasway gene is resistant)

Pollinizers
- Resistant Cultivars:
  - Alpha
  - Beta
  - Gamma
  - Zeta
Spacing
- 19 x 19 feet

Fertilization
- two pounds per tree
- Boron every spring in May to the blooms
- needs good light

Diseases
- Eastern Filbert Blight
  - See EC 1499 “Detecting and Controlling Eastern Filbert Blight” ($1.00)
- Bacterial Blight

Insects
- Filbertworm
  - out around June 15th
  - use pheromone traps to monitor
- Leafroller
  - out around June 1st
- Aphid

Hazelnuts cont.
- Pruning: usually trained to multiple leaders
- Remove suckers from the roots two times a year
- Harvest: late September or early October to November

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Chestnuts
- *Castanea spp.*
- 30 to 60 feet tall
- see LC 390 “Growing Chestnuts” ($2.00)

Harvest
- Late September or early October to November
Varieties
- European - very susceptible to blight. Not much grown here.
- Hybrids - varying degrees of resistance to the blight. Often very large nuts.
  - Colossal, Dunstan’s, Layeroka
  - Yields still not known

Spacing
- 20 to 40 feet

General Care
- minimal pruning
- irrigate the first 5-10 years
- reacts well to manure or full range of fertilizers

Harvest
- October and November

The End