



#### **WSU Extension Forestry**

#### **Non-Timber Forest Products:**

AKA "special forest products"

PNW indigenous cultures have a rich history of utilizing and managing NTFP's

Popular modern markets: Mushroom foraging Greenery and floral products Wild fruit harvests

Five "types" of NTFP's...





## WSU Extension Forestry

# Five Types of Non-Timber Forest Products:



Food
Medicine
Décor/Aromatics
Fiber
Eco/Agri-tourism



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#### WSU Extension Forestry

# Five Types of Non-Timber Forest Products:



### **Food**

Medicine Décor/Aromatics Fiber

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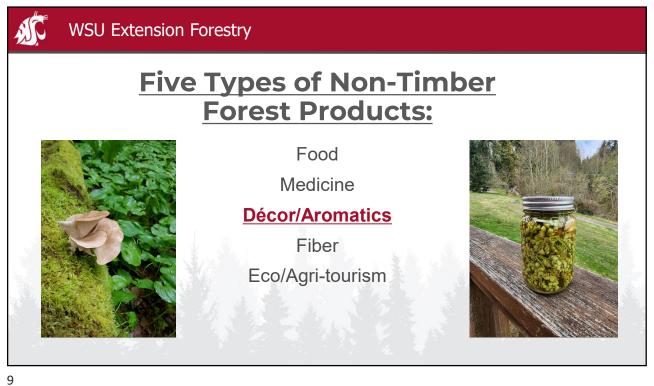


Five Types of Non-Timber
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LONE 🛓 PINE WSU Extension Forestry Hone your plant ID skills! And know your limits... Get to know companion plants and habitat typing Don't rely on common names Washington, Oregon, Beware of medicinal claims, check the sources British Columbia & Alaska There's a lot of unchecked information out there Just because something isn't deadly doesn't mean you should eat it! Tap into expertise Find a mentor Join mycological societies (or other relevant groups) Classes/workshops POJAR \* MACKINNON







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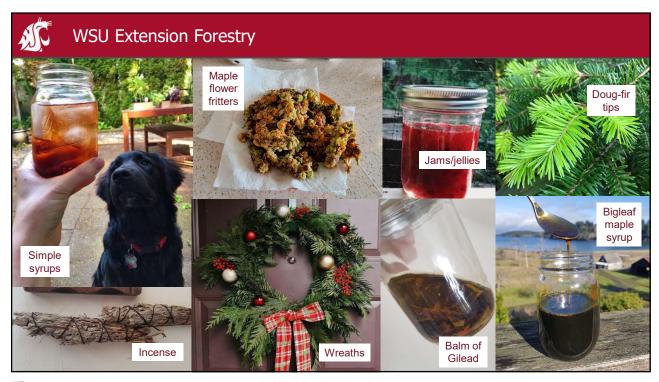


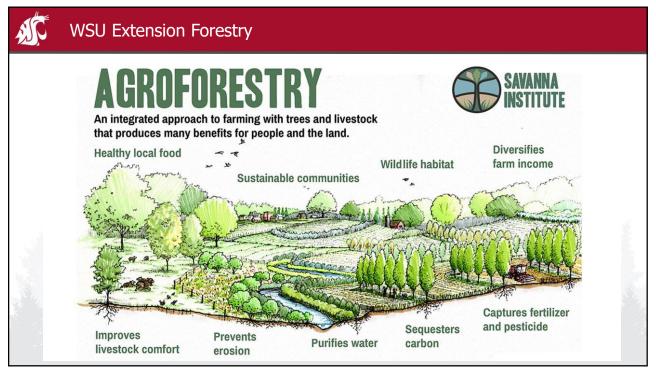


### **General Tips for Sustainable Harvesting of NTFP's**

- Exercise restraint, particularly for destructive harvesting (ex: roots, stems)
  - Apply the same lessons as forest thinning, removing the weaker and poor performing individuals first (one exception may be décor)
- Where appropriate, consider propagation to ensure long-term supply
- · Consider impacts on the plant, population, and
- · Share the forest, leave some for wildlife!
- Be aware of sensitive sites and how you might impact them by harvesting
  - Ex: harvesting Devil's club in a wetland









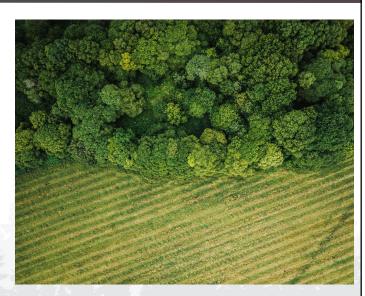
#### **WSU Extension Forestry**

## What is Agroforestry?

Agroforestry is the intentional combination of agriculture and forestry to create productive and sustainable land use practices (USDA, 2023)

Agroforestry practices are:

- 1. Intentional Combinations of trees/crops/animals are intentionally designed and managed to yield multiple benefits
- 2. Integrated Components are structurally and functionally combined
- **3. Intensively Managed** Systems are actively managed towards yield of multiple benefits
- **4. Interactive** Components interact to produce benefits



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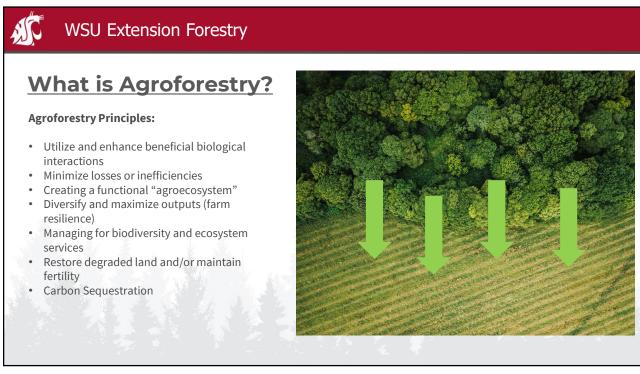
## **What is Agroforestry?**

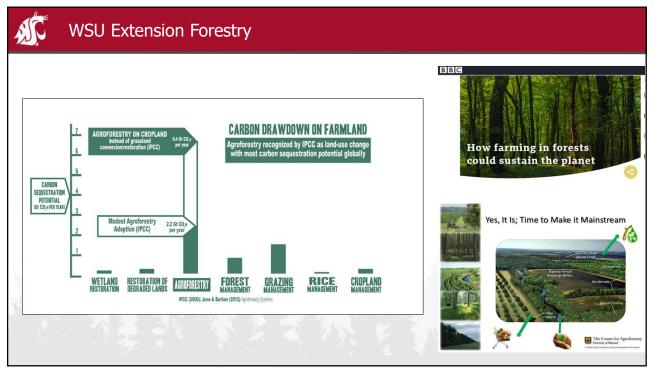
Looking at it another way . . .

Incorporating the ecosystem services of forests into agriculture in ways that are mutually beneficial to conservation and production

Water quality
Air quality
Carbon sequestration
Wildlife habitat
Soil health
Pollinator habitat
Aesthetics
Timber/fiber production









#### **WSU Extension Forestry**

## **Agroforestry for Everyone**

#### **For Forest Owners**

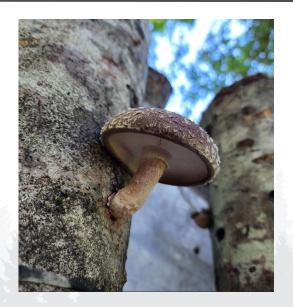
- Hobby or supplemental income
- Step beyond foraging into management of NTFP's
- Ex: forest farming bigleaf maple syrup, shiitake, mahonia, etc.

#### For Homesteaders/Hobby Farms

- · Diversified productivity for personal use
- Increased productivity (maximizing land use)
- Ex: silvopasture, forest farming, windbreaks/hedgerows

#### For Farmers/Producers

- Diversified production at scale
- Mitigating negative environmental impacts (water quality, soil health, forest loss, habitat loss)
- Ex: alley cropping, silvopasture, working riparian buffers



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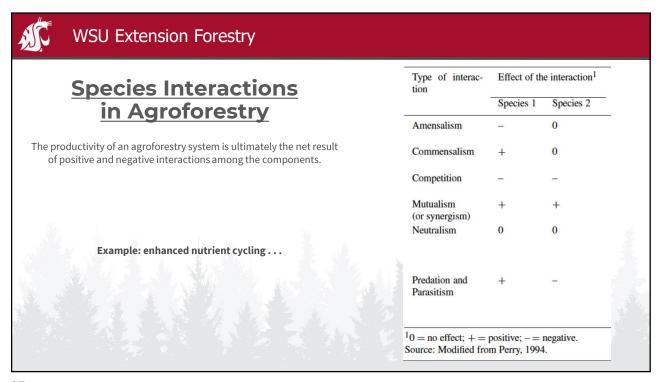
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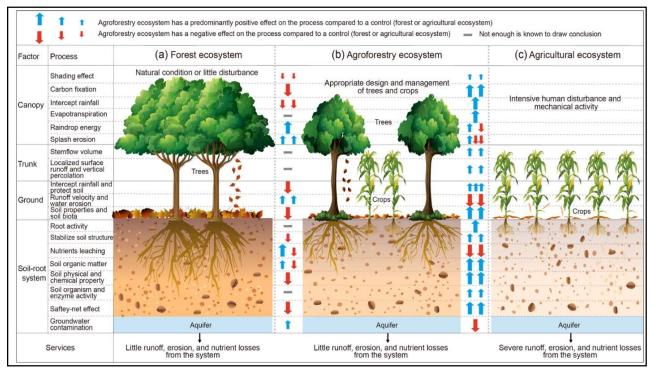
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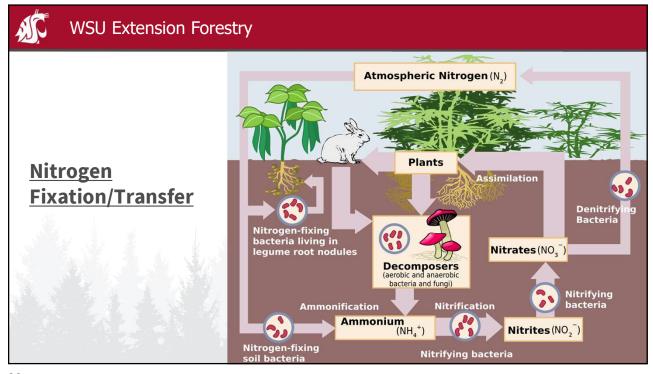
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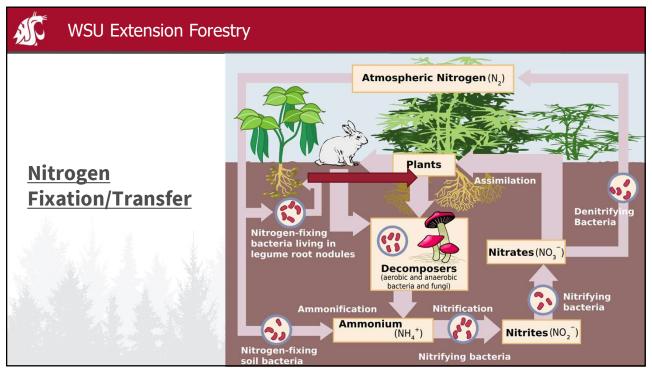
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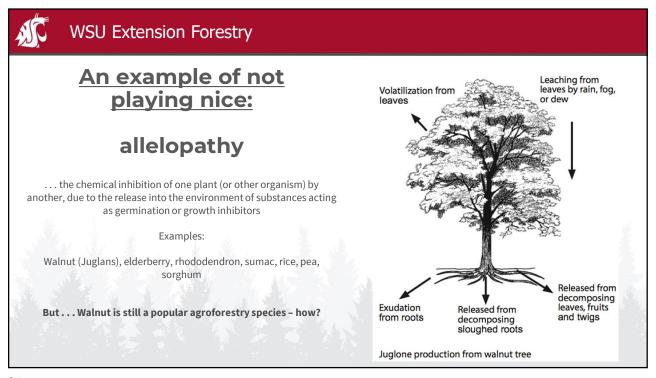


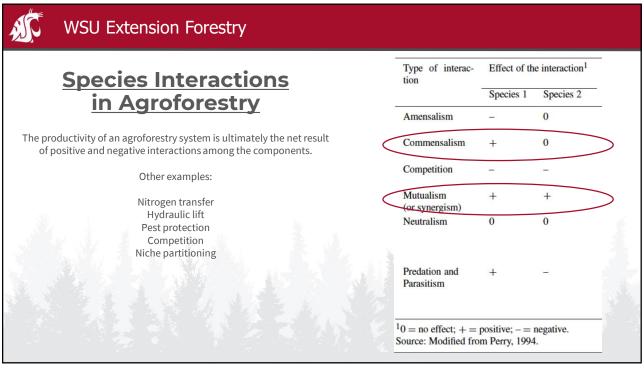














WSU Extension Forestry

Windbreaks and Hedgerows

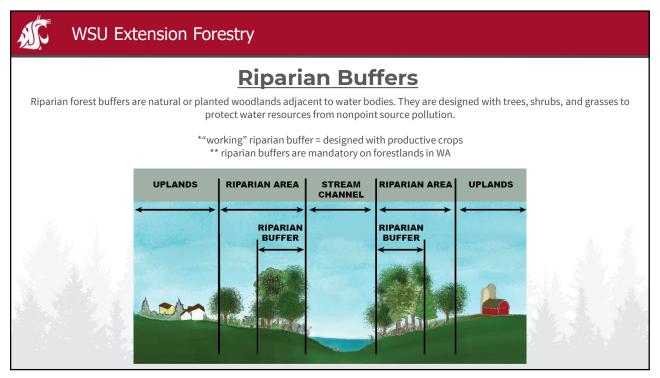
Plantings of single or multiple rows of trees or shrubs that redirect or modify the wind and are established for one or more environmental purposes.

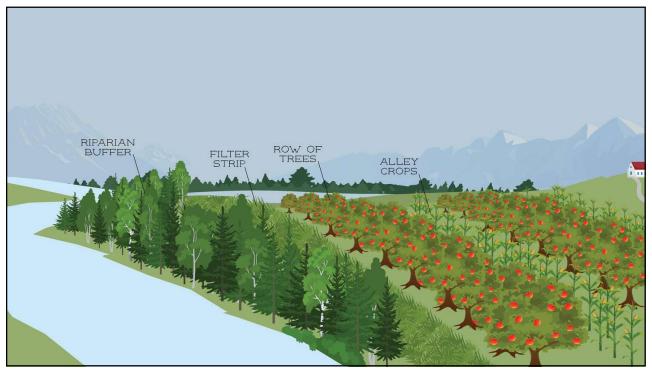










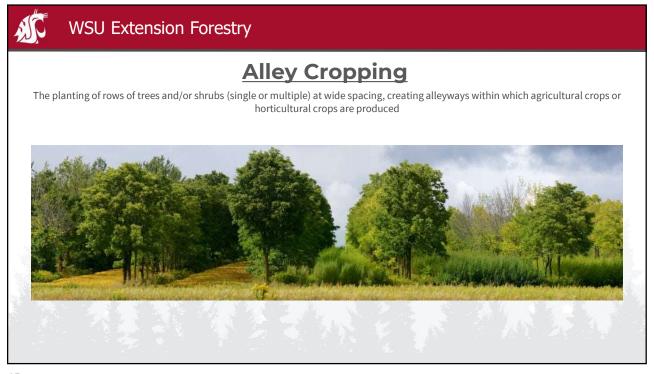


























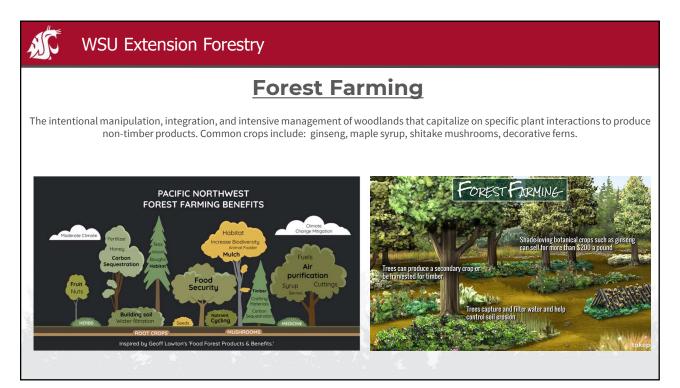






















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## Why?

- Supplemental cash or . . . major business?
- Most small forest owners do not own enough acreage to subsist on timber sales
- SFP's and agroforestry practices can be an important source of supplemental income
- Diversified operations provide greater income and are resilient to economic and environmental challenges
- Making it easier to keep SFL's and farms on the landscape



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## Okay, but I'm not in it for the money . . .

- Most aren't, and that's okay!
- NTFP's and agroforestry practices can be a lot of fun without the financial incentive
- They are often mutually beneficial between your interests and good forest management
  - Ex: thinning alder for shiitake substrate
- They present opportunities to spend more time in the woods, learn something new, and get your family or community involved
- Landowners/families that are excited and engaged with their forests are less likely to sell or convert them





### WSU Extension Forestry

# Selling and Marketing

- Creativity is key, find your niche
- Value-added products are much more valuable and can help you corner a market
  - · But require licensing!
- People want fewer degrees of separation between themselves and where their food, fiber, etc. come from (and are willing to pay a premium for it)
- Terms like "natural", "forest grown", and "sustainable" draw a lot of attention



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#### WSU Extension Forestry

## Some Successful Examples

## Oak Basin Farm Brownsville, OR

Products:

Timber, beef, essential oil products, specialty wood products, brooms













