INFUSE

Sassafras (Sassafras albidum)

Week 1 - Introduction

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Welcome to Sassafras Month!

I feel honored to share about this beautiful tree!

This week we will meet Sassafras in a journey.

Then we'll get to know some of their physical characteristics.

And finally I'll share a simple honoring practice.

Stay Spicy,









meet Sassafras

We begin with an introduction to Sassafras in the following journey...





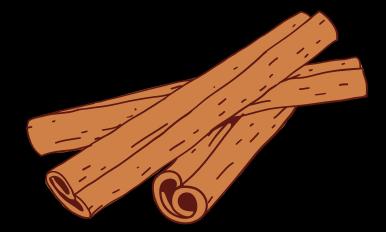
The common and genus name Sassafras comes from Spanish sasafrás, based on Latin saxifraga (saxifrage) which is thought to mean "rock-breaking" (saxum "stone, rock" + frag- "to break"). The plant Saxifrage grows in rocky conditions. How Sassafras was assigned this name is a bit of a mystery.

The species name *albidum* is Latin for "whiteish" (*albus*, white)

etymology



Other English common names for Sassafras include:



Ague tree Saxifrax Cinnamon wood Saloop Smelling stick Chewing stick Tea tree

etymology

check out this link for more fascinating history & etymology



The Lenape word for Sassafras is *winakw*. There is a town in New Jersey named Wanaque, a name derived from a word that means "land of Sassafras"

> In Tsalagi (Cherokee), Sassafras is SOOLIT (ganasdatsi)

> > In Chahta (Choctaw), it's iti kạfi

In Anishinaabe, maanaagwaakwamizh

etymology

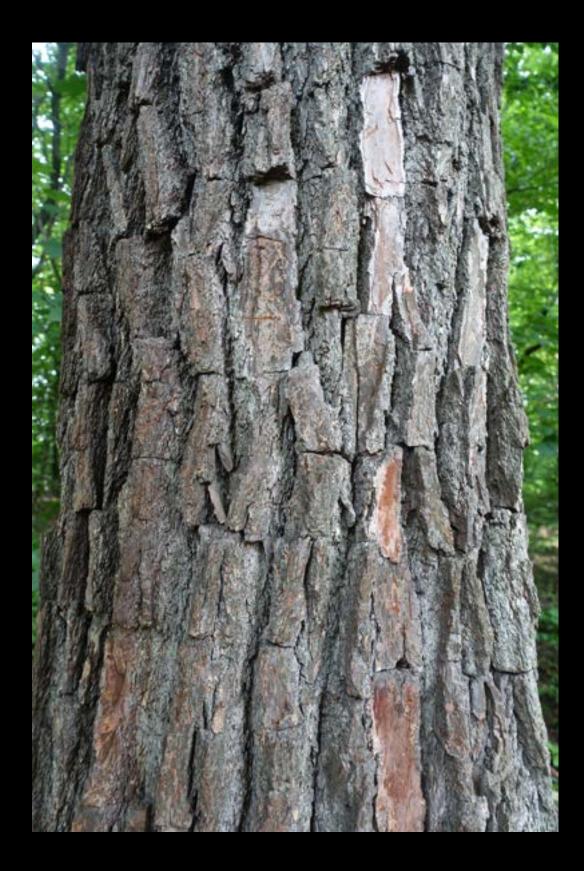






Sassafras is a deciduous tree or shrub in the Lauraceae (Laurel) family. Young trees and shrub forms have greenish bark that is covered with orange-brown fissures. Mature trees have reddish brown, thickly plated bark.







Leaves are waxy and highly mucilaginous. Three different shaped leaves: three lobed, entire ovate, mitten shaped







Clusters of tiny, six-petaled, fragrant flowers that are greenish yellow to creamy yellow-white bloom in spring before the leaves emerge.

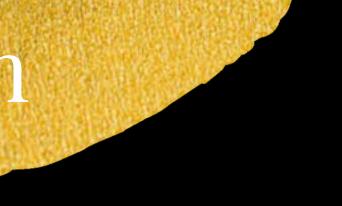




The leaves and roots have a spicy-minty-floral aroma and flavor. Once you smell the roots you'll recognize the scent as root beer—Sassafras root was once and still is used as an ingredient in that beloved beverage.









Clusters of tiny, six-petaled, fragrant flowers that are greenish yellow to creamy yellow-white bloom in spring before the leaves emerge.





You'll most often find Sassafras in groves of at least 3 trees. They spread through the roots – look for young shoots to find the connections between trees.

> Sassafras also spreads by seed. Animals eat the fruit and deposit the seeds. Sassafras seeds need the cold to germinate.

propagation

Image: <u>Ken Potter</u> <u>CC BY-NC 4.0</u>

Sassafras is native to the eastern region of Turtle Island...

In the north, from southwestern Maine to southern Ontario and central Michigan; south down to central Florida; and southwest to Illinois, Missouri, eastern Oklahoma, and eastern Texas.

distribution

invitation

Visit a forested path, a field's edge, or a young woodland.

Sassafras often fills a niche in disturbed soils.

Look for the characteristic bark when the flowers or leaves are not present yet. Look for the three distinctive leaf shapes.

Choose a leaf to pick and crush. Is there a distinctive sweet-spicy fragrance?

If so, you may have found Sassafras!

Make a sketch or painting of Sassafras leaves, or the whole tree, to add to your altar this month.

sketch

Set up an altar to Sassafras. Here are some suggestions for what to include:

- Art featuring Sassafras
 - Sassafras root, bark, flowers, or leaves
 - Red, green, or clear stones or crystals
 - Images or figures of Wild Turkey, Swallowtail
 - Butterfly, White-tailed Deer, or Rabbit

honoring

• Things that come in threes

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Sassafras (Sassafras albidum)

Week 2 - Ague Tree



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It's Sassafras Week 2!

This week we will visit Sassafras trees and look at the long history of this great ally.

We'll explore the early uses of the leaves, bark, and roots of Sassafras and finally finish up with a simple preparation.

Sweetly yours,









meet Sassafras

Let's go out and visit Sassafras!



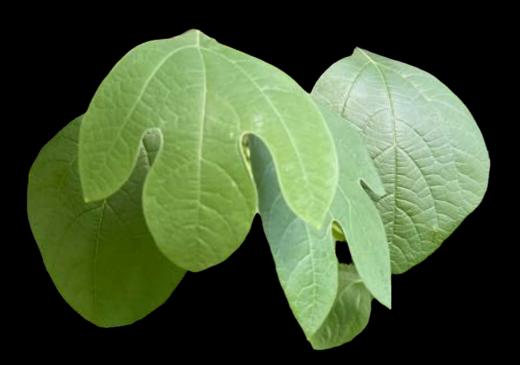


ancient

The Sassafras genus of plants has been on Earth for at least 100 million years.

~49.5 million year old fossilized leaf from the extinct *Sassafras hesperia*. Early Ypresian, Klondike Mountain Formation, Republic, Ferry County, Washington, USA. image: <u>Kevmin</u>





Humans have lived on Turtle Island for at least 33,000 years, some say 50,000 years, and still other evidence may indicate the presence of humans in North America as early as <u>130,000 years</u> ago.

Turtle Island

Sassafras + Humans

In one place where Sassafras grows, along the Savannah River in South Carolina, there is potential evidence of human presence dating back 50,000 years ago.

So it's possible that humans have had a relationship with Sassafras for 50,000 years.

Many different people came to live on the land where the Sassafras grows. And as the people changed the interaction with the Sassafras did, too.

The People



collaboration

In the South, people have worked with Sassafras as:

A decoction of the roots is taken to thin the blood (Choctaw) and purify the blood (Cherokee/Tsalagi)

An infusion of the root is used to treat worms, diarrhea, and to remedy colds (Cherokee/Tsalagi, Seminole)

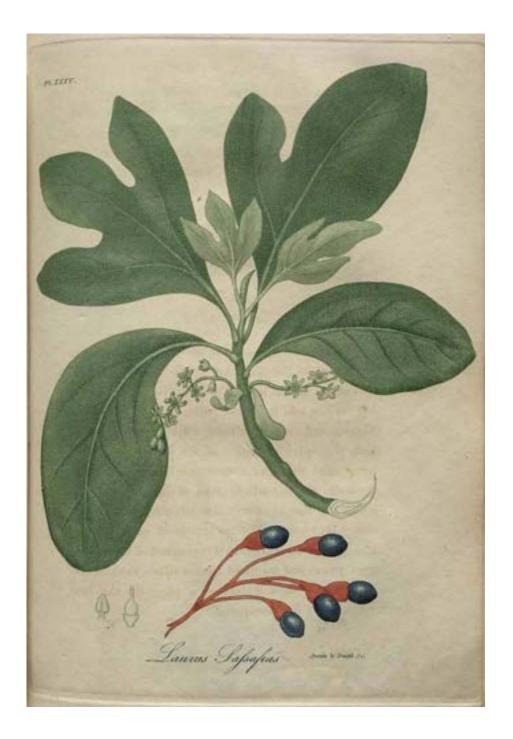
collaboration

In the North, people have worked with Sassafras as:

An infusion of the root bark is used to thin the blood (Anishinaabe, Lenape) and reduce high blood pressure (Haudenosaunee)

An infusion of young shoots used as a wash for sore eyes (Mohegan)





Colonists from Europe saw the plants and animals as commodities to be bought and sold. Sassafras was one of the first plants to be celebrated as a medicine, a trade spice, and other valuable uses.

colonization



Spanish botanist Nicolás Monardes* wrote about Sassafras, and other plants, in Joyfull Newes out of the New Founde Worlde (originally published 1569, translated into English by John Frampton in 1577).

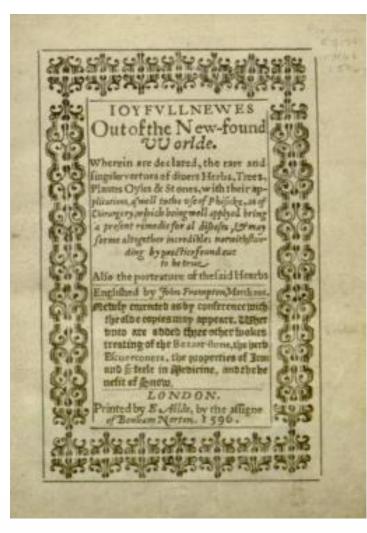
*We'll hear about this guy again in August when we work with Bee Balm (Monarda).

colonization





Ague Tree





The maner of curying with this water made of the Sassafras, for the Tertian Agewes and large Fevers, I will shewe you what doeth passes in this yere, that I doe write this. There have beene many people diseased with the Tertian Agewes, so importunate that no maner of Medicine was sufficient to take them awaie, and to roote them out, in so muche that we did let many alone, with onely good order, and good government, without healpying them any more. They did remaine opilated, and with evill colour of the face, and some swolne.

And in this tyme it was, when the Captaine generall Peter Mellendis came from the Florida, and brought with hym in common this woodde of the Sassafras, and as everie man did so praise it, many of them that had Tertians did take Water of the Sassafras, keepyng the order that the Souldiers gave them, and surely I sawe in this greate marvailes, for that they healed many with the use thereof. Not onely of the Tertians that so muche did molest them, but of the Opilations and evill colour that they had.

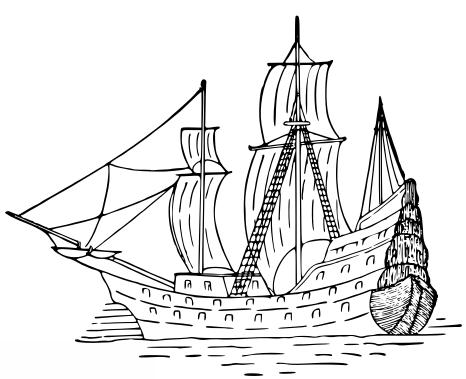
> from Nicolás Monardes, Joyfull Newes out of the New Founde Worlde gatheringground.nyc



The text by Monardes and one by Thomas Harriot titled A briefe and true report of the new found land of Virginia (1588) spurred excitement for the trade of Sassafras throughout England and Europe.

Soon well known herbalists (John Gerard, Nicholas Culpepper) were quoting Monardes and touting the benefits of Sassafras. Ships were sent to the newly colonized land expressly to collect Sassafras for medicinal and culinary use and for the hard wood of the tree.

commodification



Ofthe new foundland of Virginia. Saffafras.

Saffafras, called by the inhabitantes Winauk, a kinde of wood of most pleafand and sweete smel; and of most rare vertues in philick for the cure of many diseases. It is found by experience to bee farre better and of more vses then the wood which is called Guaiacum, or Lignum vita. For the description, the manner of vsing and the manifolde vertues thereof, I referre you to the booke of Monardus, translated and entituled in English, The ioyfull newes from the West Indies.

> from Thomas Harriot's A briefe and true report of the new found land of Virginia (1588)

winauk

The name *winauk* described in this account is likely from an Algonquian speaking group if you recall from the last lesson, *winakw* is the Lenape word for this tree.

The best of all the tree is the root, and that worketh the best effect, the which hath the rinde cleaving very fast to the inner part, and is of colour tawnie, and much more sweet of smell than all the tree and his branches.

The rinde tasteth of a more sweet smell than the tree; and the water being sod with the root is of greater and better effects than any other part of the tree, and is of a more sweet smell, and therefore the Spaniards use it, for that it worketh better and greater effects.

It is a tree that groweth unto the sea, and in temperate places that have not much drouth, nor moisture. There by mountaines growing full of them, and they cast forth a most sweet smell, so that at the beginning when they saw them first, they though they had seen trees of Cinnamon, and in part they were not deceived; for that the rinde of this tree hath as sweet a smell as Cinnamon hath, and doth imitate it in colour and sharpnesses of taste, and pleasantnesse of smell; and so the water that is made of it is is of a most sweet smell and taste, as the Cinnamon is, and procureth the same works and effects as Cinnamon doth.

> from John Gerard's *The herball or Generall historie* of plantes (1597, edited Johnson edition 1633)

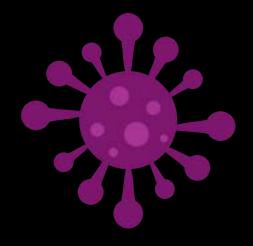
Cinnamon Tree

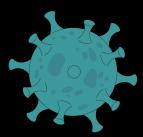
new diseases

Uses for Sassafras changed post-colonial contact, often out of necessity.

The detrimental effects of colonization – such as forced removals – along with the introduction of new diseases left First Peoples susceptible to illness.

For example, the Houma, Choctaw, and Rappahannock began using Sassafras to treat measles and scarlet fever, two diseases that were either not present or not a problem pre-contact.







Sassafras isn't just used for disease, though. It's also utilized as a beverage and for food. We'll look at more of those uses in future lessons.

One way to prepare Sassafras as both medicine and as a tea is in a cold infusion (tapàsikàn in Lenape). In the following video I'll show you how to make this preparation with dried Sassafras leaves.

prepare



How to make tapàsikàn [ni] Cold infusion of fresh or dried leaves Fill a jar with fresh leaves or about 1/4 of the way with dried leaves, cover with cold water and let steep for 1 hour or more. Drink 1 cup as needed.

prepare

winakw - Sassafras

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Sassafras (Sassafras albidum)

Week 3 - Root Medicine

Jathering GROUND

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Week 3 of Sassafras is here!

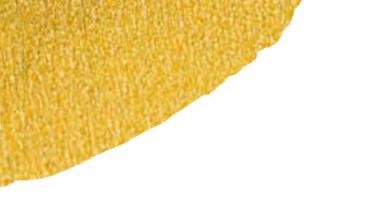
This week we'll dive into the medicinal uses of Sassafras.

We'll also harvest the root.

And make a sweet delicious syrup with it!

With sass,



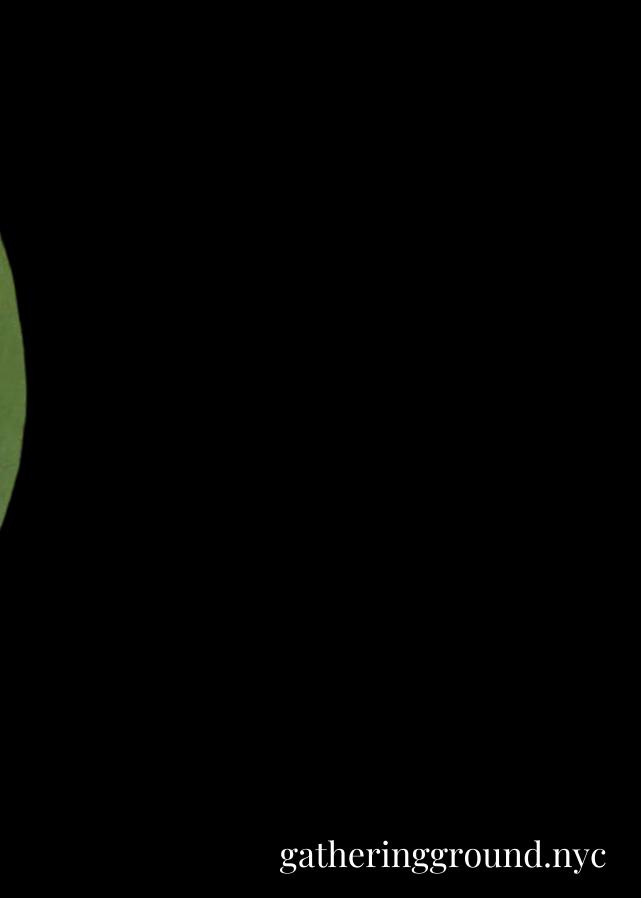




Sassafras by Megan Grace

sometimes my mouth was too sharp, my tongue was too fast, my eyebrow would arch just a bit too high and you would get that slow smile I loved, s a y "whoa there, sassafras."

> but you still loved mein my sassiest moments





Sometimes, Sassafras is slang for someone who is sassy

cheeky bold audacious (if not outright rude)

the obvious root of this association is in the sound - and yet - could the sweet spicyness of Sassafras not evoke a bit of sass?





That sweet spicyness tells us about the medicine of this tree.

The root is warming and aromatic, it's stimulating to circulation and digestive processes.

Sassafras gets things flowing, moving.

Let's see how this aligns with some of the traditional medicinal uses of the roots of Sassafras...

Warn

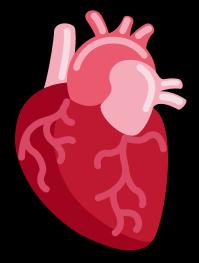


circulation & blood

Sassafras lowers blood pressure & cholesterol, improves blood sugar & insulin resistance

The root is traditionally used as a blood purifier and spring tonic by many peoples (Lenape, Cherokee, Haudenosaunee, Rappahannock)

Pith at center of heartwood used to treat high blood pressure (Muskogee, Haudenosaunee)



circulation & blood

According to late herbalist Tis Mal Crow (Muskogee tradition): Drink root bark tea to lower body temperature in summer. Use powdered leaves externally to warm extremities in winter (add to boots & mittens).

The Lenape take Sassafras to cool the blood in cases of fever and chills especially when caused by going barefoot or swimming too early in spring.

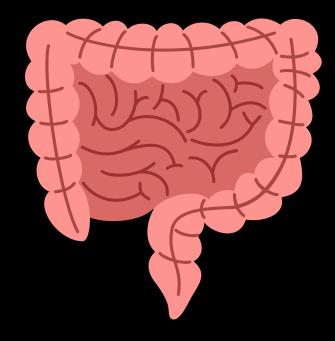


Sassafras root bark is also used traditionally to treat: worms (Cherokee, Haudenosaunee)

diarrhea (Cherokee)

nausea, stomach pains, vomiting, appetite loss, constipation (Seminole) root combined with Sweet flag (Acorus calamus,

A. americanus) root for intestinal pains (Lenape)

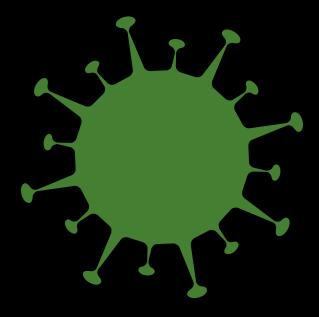


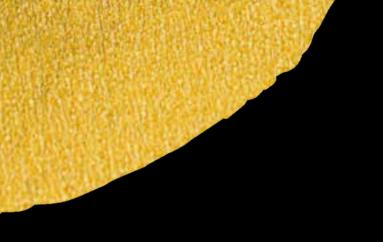
gastrointestinal

immune

Sassafras has antimicrobial properties and is used to treat cold symptoms, including cough and sore throat, and to ease fever and chills (Nanticoke)

It has been used to treat measles and scarlet fever (Houma, Rappahannock, Choctaw)





Chinese medicine

Sassafras tzumu is a species of Sassafras native to China.

In Chinese medicine, Sassafras is used to treat rheumatism (pain, arthritis) and wounds.

Image: <u>Krzysztof Ziarnek, Kenraiz</u>

adapt

The 3 different leaf shapes of Sassafras tell me about variation and adaptability.

Sassafras helps us adapt to fluctuations and changing situations - changing seasons, temperatures, and pressures.

The phrase don't rest on your laurels comes to mind. (Sassafras is in the Lauraceae (Laurel) family). It's a good reminder to be prepared for change at any moment – Sassafras helps us navigate this.





constituents

- Sassafras root cortex contains
- 6-9% essential oil, including the compounds
- safrole (80-85% of the total oil) (antimicrobial, diaphoretic)
 - safrole camphor (3.25%) (analgesic, dispersing)
 - methyleugenol (1.1%) (anesthetic)
 - tannins (sassafrid) (astringent)
 - mucilage (coats/lubricates mucous membranes)
 - sitosterol (lowers blood cholesterol)



1% of the oil includes

pinene (analgesic, anti-inflammatory, relaxant, neuroprotective) eugenol, 5-methoxyeugenol (antiseptic, antinociceptive) apoil (emmenagogue, regulates menstruation) estragol (antioxidant, anxiolytic, smooth muscle relaxant) myristicin (induces euphoria in high doses)

constituents

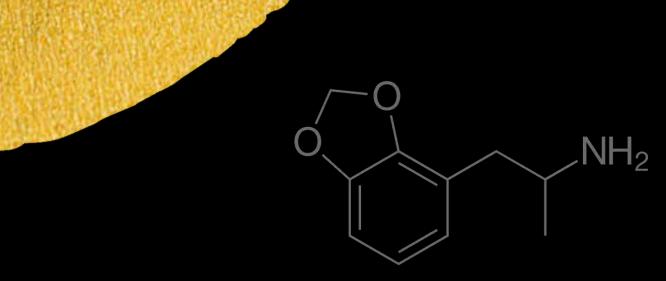
Early 19th century Europeans used the essential oil to treat a variety of conditions. They used it to mask the flavor of opium in preparations given to small children "to keep them quiet and 'well-behaved."" (White Rabbit Institute of Healing)

The oil is also used to make soap and cosmetics. It is difficult to find because it has been banned in the US. If you do find it, camphor is likely added.

essential oil

The recreational drug MDA (Methylenedioxyamphetamine), also known as Sass, Sassafras, or Sally (related to ecstasy or MDMA) can be derived from safrole oil from the Sassafras tree. It stimulates the release of neurotransmitters, creating a sense of euphoria.

Personally, I don't need to take safrole in that way in order to get a natural hight from this plant. Spending time with Sassafras, taking in the scent, drinking the tea that's enough for me!



safrole

In a mid-twentieth-century study, safrole—a constituent isolated from Sassafras leaves and root—given in high concentrations to rats was shown to be carcinogenic, in rats.

Safrole is also found in cinnamon, nutmeg, basil, and anise.

Safrole is not water soluble, and on top of that, traditional use of Sassafras is not the same as taking safrole on its own (without the rest of the sassafras leaf or root). In short, drinking moderate amounts of the decoction or infusion of sassafras is perfectly safe.



offerings

What will you leave as an offering to Sassafras?

Here are some ideas:

Tobacco Sweet herbs or flowers Stones or crystals Some of your hair A song

harvest

Look for saplings or suckers in full shade of abundant Sassafras groves.

They're fairly easy to pull up out of the ground after a little light digging with a hand trowel. You can also find the roots that connect mature mother trees to the saplings and dig some of those. Start with the sapling and unearth it, following the root closer to the mother tree.

Gather when the ground is soft, from spring through fall. Small roots can be used as is. For larger roots, strip off the outer layer and simmer the inner bark to make tea or syrup.

Sassafras





wildcraft

Let's go out and find some Sassafras roots to harvest.



root beer

"all gone her glass of that otbeer?

Sassafras is one of the original ingredients of the commercialized beverage, root beer.

Before Pharmacist Charles Elmer Hires became the first person to successfully market a commercial brand of root beer in 1875, First People of these lands brewed their own root tea from this and other flavorful and medicinal roots. It was a tea such as this that inspired Hires in the first place.



root beer

Settlers adopted beverages such as Sassafras root "tea"and fermented them - crafting beverages that were more sanitary than the water during those times (European colonists did not know how to care for the water, and sadly, we are still experiencing the effects of this negligence).

Today we have carbonated versions of these beverages, rather than fermented. Though you could ferment your own if you wanted, a much quicker way to make your own soda is to craft a syrup and just add seltzer.

root beer

In this video I'll share how to make your own simple Sassafras root syrup to enjoy homemade root beer sweetened to your liking.



Do not use Sassafras if you are taking medications with blood-thinning or bloodclotting actions.

Sassafras should not be used during pregnancy due to its blood-thinning effects.

precautions



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INFUSE

Sassafras (Sassafras albidum)

Week 4 - Leafy Goodness



INFUSE

It's Week 4 of Sassafras!

Have you ever been down to New Orleans? If so maybe you've tried a Louisiana specialty that I'll tell you about in this lesson.

We will also be harvesting the leaves of Sassafras, a key ingredient in this dish.

And I'll share about the other beneficial uses of the leaves, too.

Laissez les bons temps rouler,









We've talked about the root, now let's look at the many ways Sassafras leaves are used...

Sassafras

topical use

Topically, leaves are traditionally used as poultice for wounds and sores and as a wash for sore eyes (Cherokee, Haudenosaunee, Mohegan, Rappahannock)

topical use

Apply a poultice of the mucilaginous leaves or inner root bark to soothe sprains, bruises, burns, and bites.



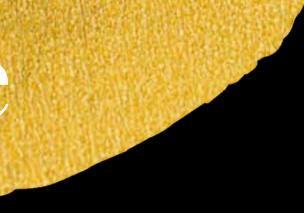


topical use

There is a thought in some herbal circles that the remedy one needs for an ailment is not far from the cause of that ailment. In other words, the herbs we need show up when and where we need them.

For example, Poison Ivy often grows where Sassafras does. (As does another Poison Ivy remedy, Jewelweed *(Impatiens capensis).*

To relieve Poison Ivy rash or clear up weepy wounds, dust the powdered leaf on the affected area.







wildcraft

Let's go out and find some Sassafras leaves to harvest.



conservation

While Sassafras is considered "secure" globally, the tree is "imperiled" in Maine and Kansas and "vulnerable" in Vermont.

Get to know the local trees in your area, be aware, and take only what you need.



Source: <u>NatureServe Explorer</u>

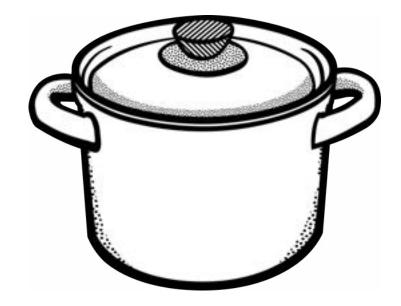




Aside from making an infusion with the leaves, as we did in week 2, dried and powdered Sassafras leaves are traditionally used in cooking and known as filé powder in Creole circles, originating from the Choctaw people in the South.

Use the powder in culinary preparations to add flavor and thicken sauces, soups, and stews.





filé gumbo

Let's get cookin'!

The following recipe is adapted from one on a <u>Louisiana</u> <u>travel site</u>. Instead of making a roux as the flavor base, this recipe uses filé powder, which is one of the traditional ways to make it. Though really, okra is the original thickening ingredient. Gumbo's origins are a blending of West African, Choctaw, and European influences. <u>I</u> <u>recommend reading about the history of gumbo</u>, and the strong argument that this dish is most closely connected with West African traditions.

Watch the video to see how I make it.







filé gumbo

1 1/2 lbs chicken thighs 3/4 lb spicy sausage (I used Mexican chorizo) 1/2 lb sliced ham 1 lb peeled & deveined shrimp 1/2 pound scallops 1 small onion, diced 6 cloves garlic, minced 1 red bell pepper, diced 2 stalks celery, chopped 1/4 cup flour 4 cups broth 3 bay leaves 5 sprigs of fresh thyme 1 1/2 tbsp filé powder (or to taste) salt & pepper to taste vegetable oil to coat the pot

Recipe adapted from Louisiana Travel, originally published in Louisiana Kitchen and Culture Magazine.

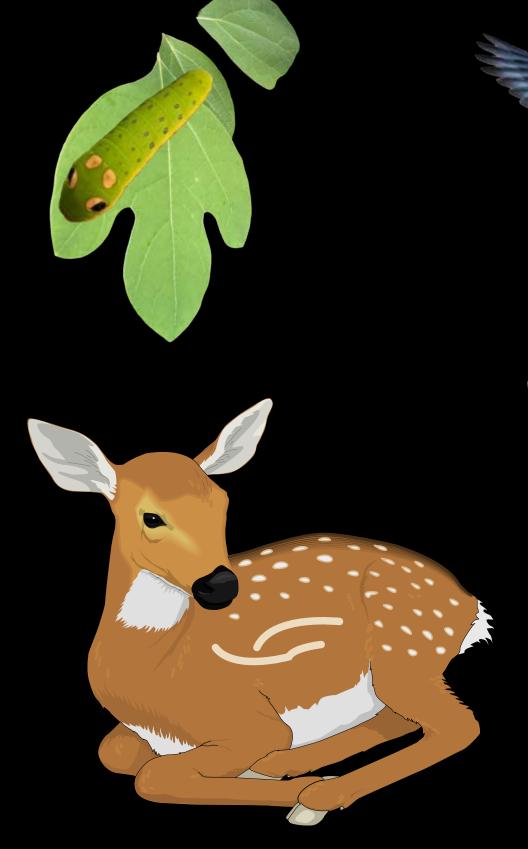
filé gumbo

Add enough oil to coat the bottom of the cooking pot. Heat over medium heat. Add the ham and brown it. Add the onion and cook until soft. Add the sausage and chicken. Cook until chicken is browned on both sides.

Add shrimp and the rest of the vegetables and seasoning except for the filé. Mix well. Dust flour over the mixture and stir until everything is coated. Add broth.

Bring up to a simmer and cook for 40 minutes. Add the scallops and simmer for 5 more minutes.

Turn off the heat and add filé powder to taste. Add salt and pepper to taste. Serve over rice.



Sassafras attracts insects, such as the Promethea silkmoth (*Callosamia promethea*) and the Spicebush Swallowtail butterfly (*Papilio troilus*). Sassafras is one of the only two plants that act as host to the latter species. (Spicebush (*Lindera benzoin*) is the other, as the name suggests.)

Birds eat the fruit. Deer, Black Bears, Woodchucks, and Rabbits occasionally browse the leaves.

Spicebush Swallowtail image: <u>Hagerty Ryan</u>, USFWS Female Promethea image: <u>Jomegat</u>

fauna





precautions

Do not use Sassafras if you are taking medications with blood-thinning or bloodclotting actions.

Sassafras should not be used during pregnancy due to its blood-thinning effects.

Sassafras



further reading

The Owensboro Sassafras Tree

Sacred Tree Profile: Sassafras' Medicine, Magic, Mythology and Meaning (Druid's Garden)

Cumberland Island National Seashore (Timucua people and Sassafras)

Vanishing North American Materia Medica (pages 8-10)



disclaimer

The statements herein have not been evaluated by the Food and Drug Administration. The recipes and information in this course are not intended to diagnose, treat, cure or prevent any disease.

This course is also not meant to replace medical care. If you are in need of medical assistance, please reach out to a qualified healthcare practitioner.



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