

Syrup? How about other nontimber products?

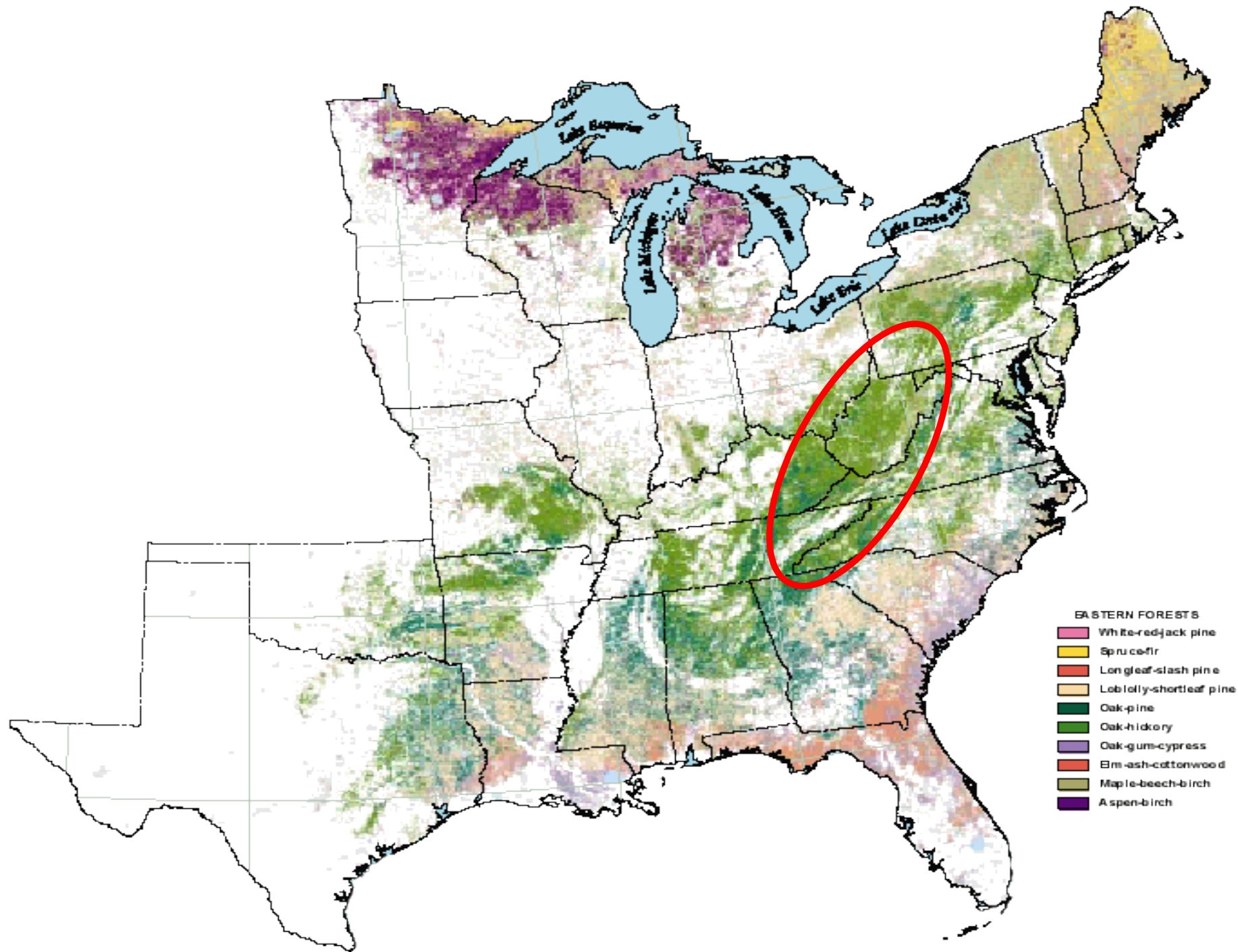


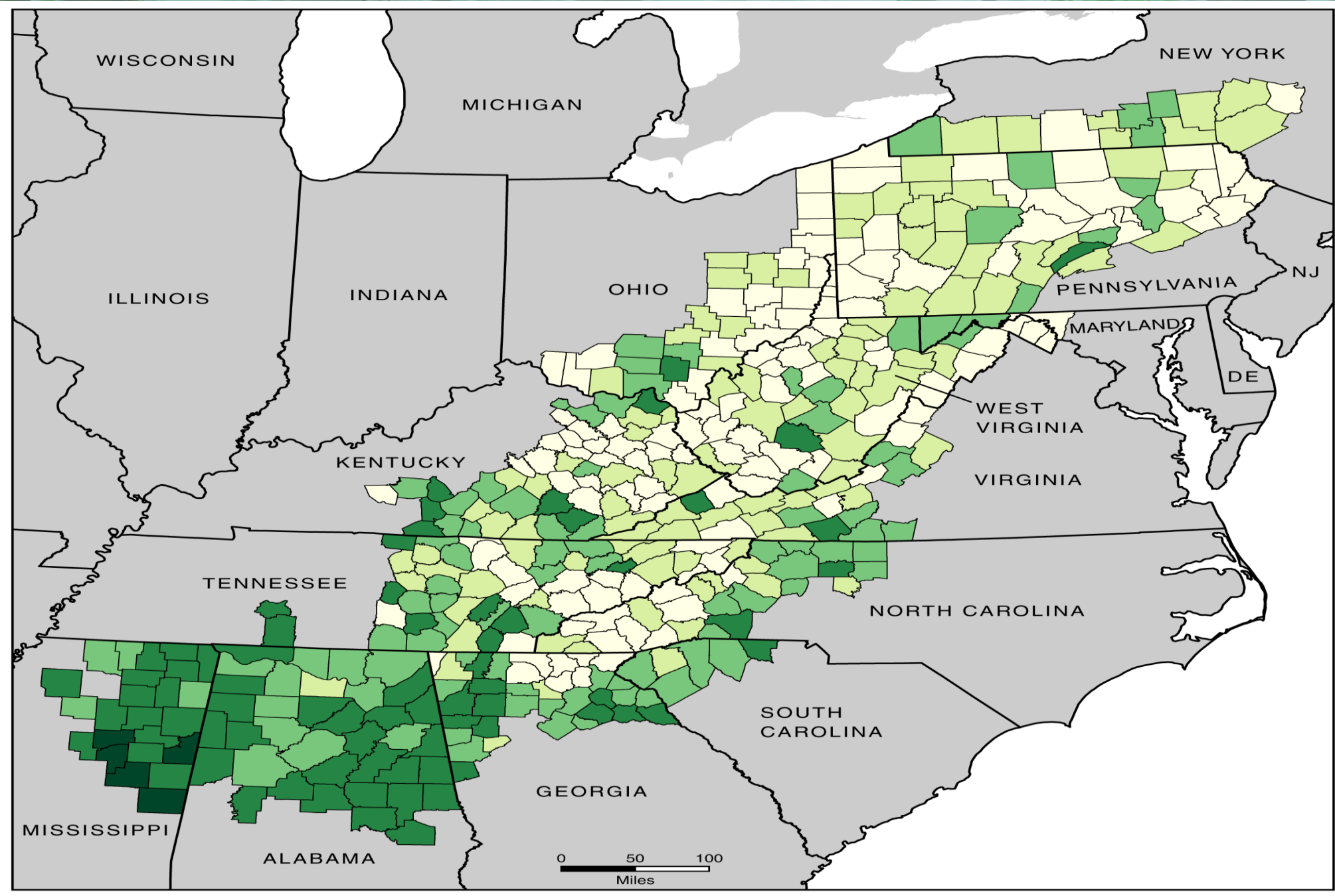
Jim Chamberlain
USDA Forest Service
28 September 2018



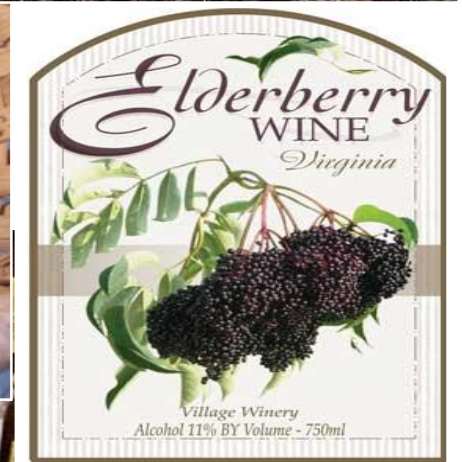
Forest Service
Southern Research Station
General Technical Report SRS-232
June 2018







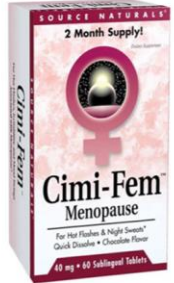




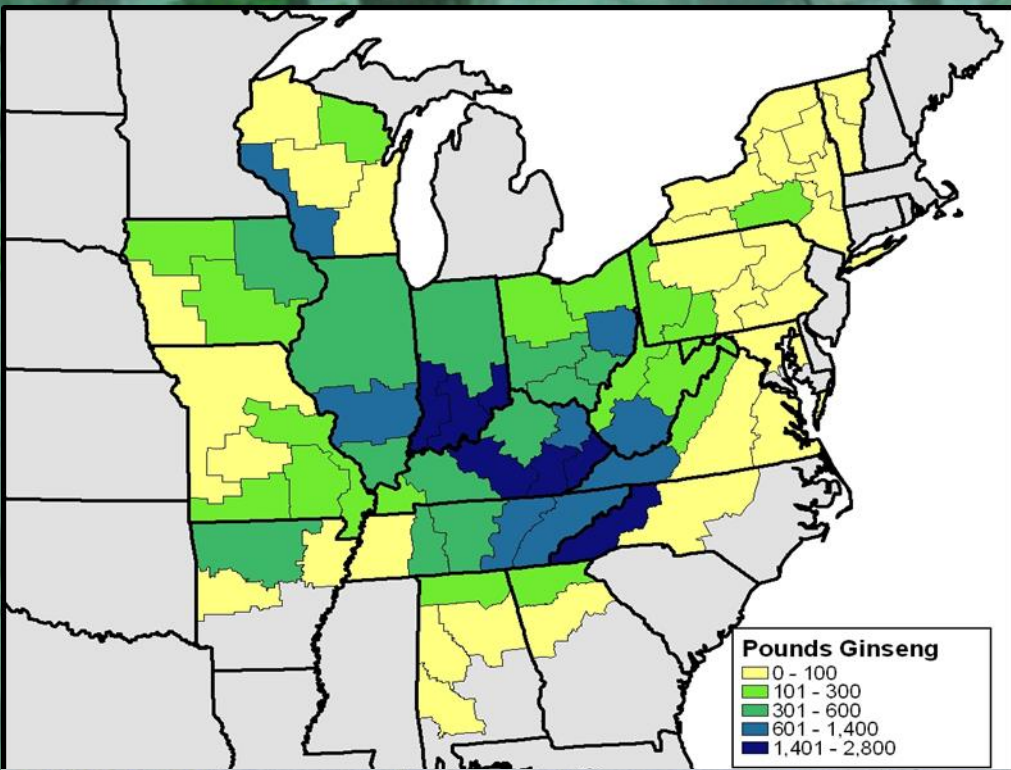




Medicinal Forest Products

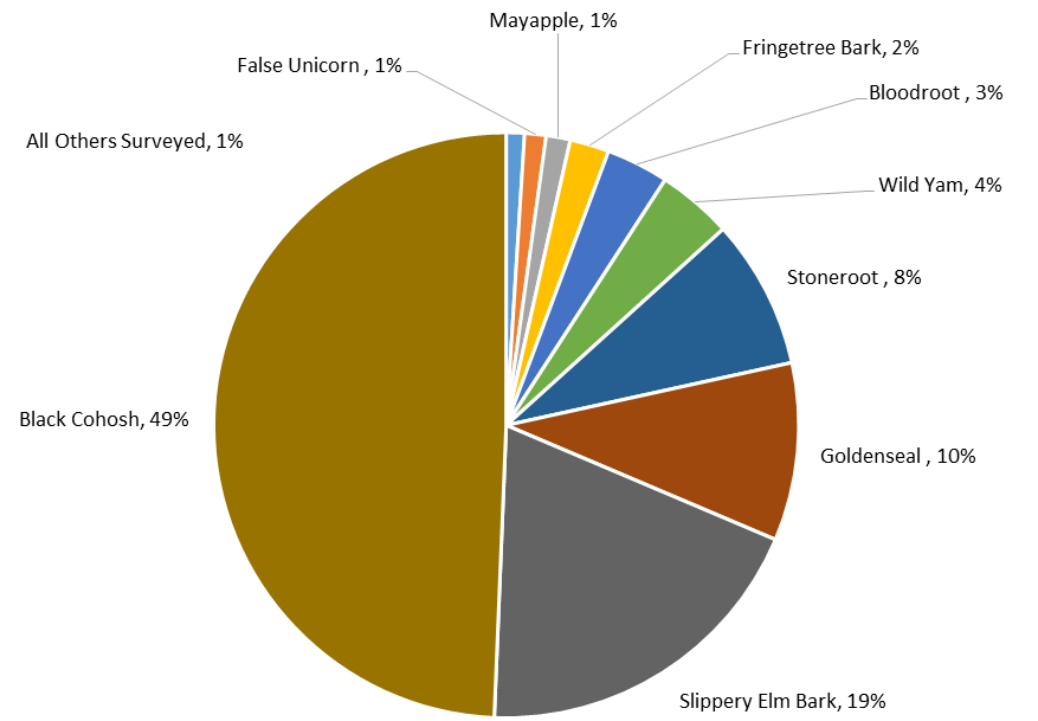
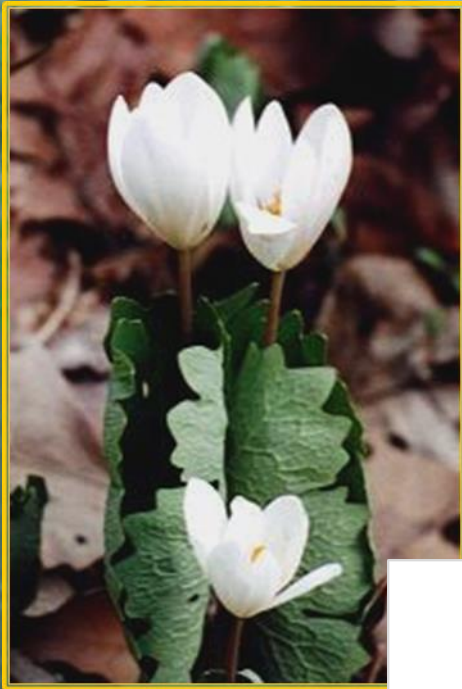






Ginseng and Forest Stand

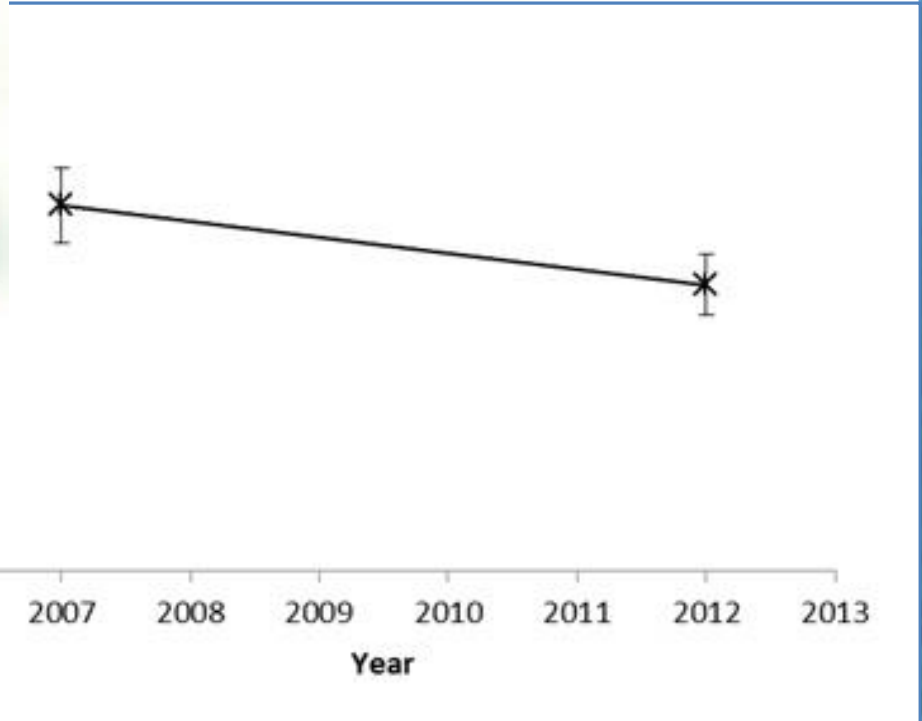
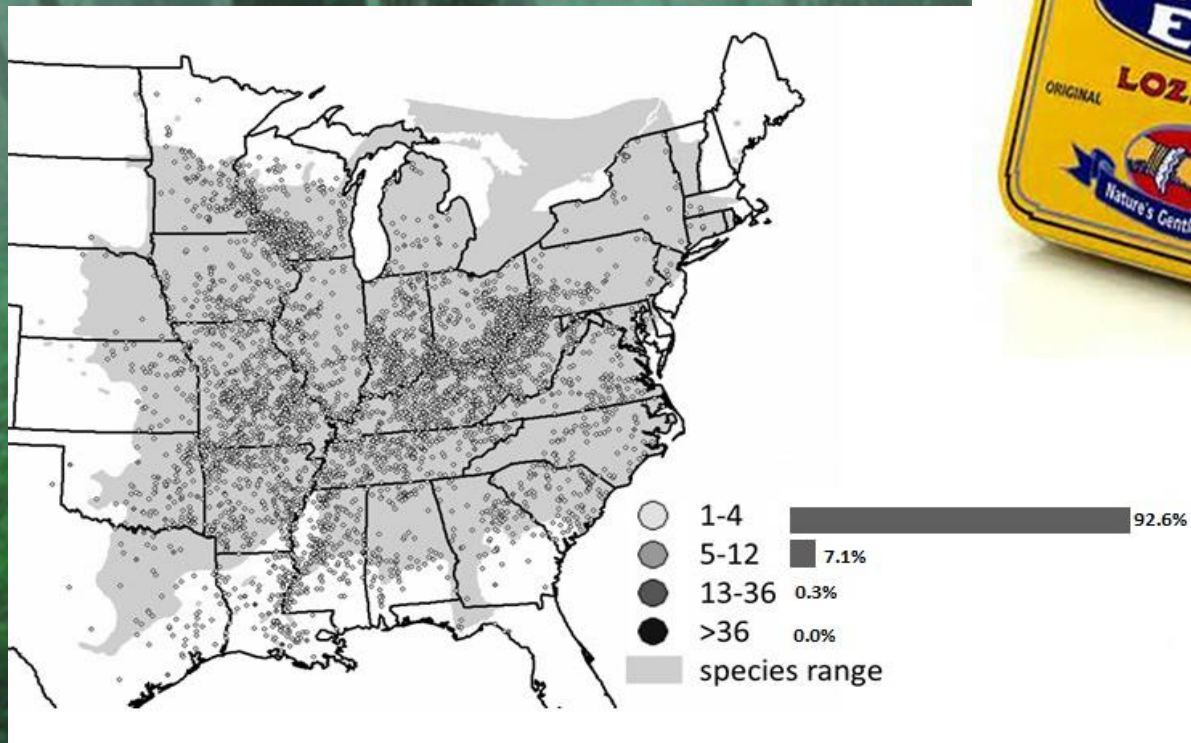
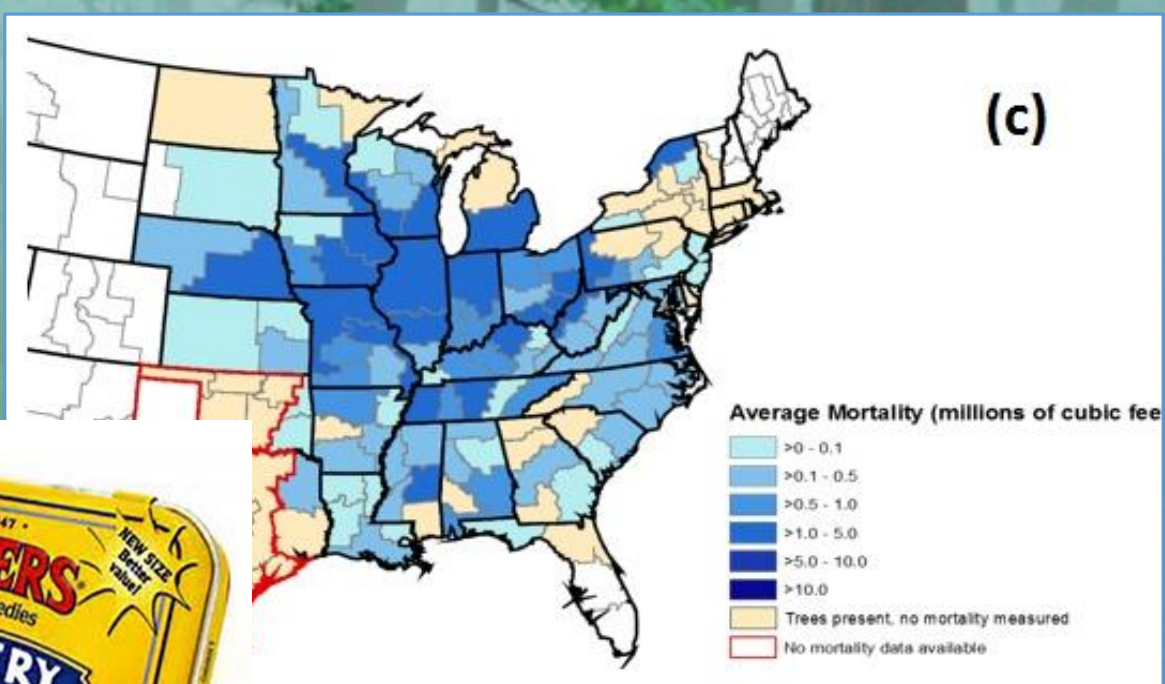
Variable	Total Forest	Hardwood only
Forest area	0.2626*	0.2896*
Growing Stock Volume	0.3398*	0.3669*
Removals	0.1682	0.1871
Removals/GS (%)	0.0385	0.0856



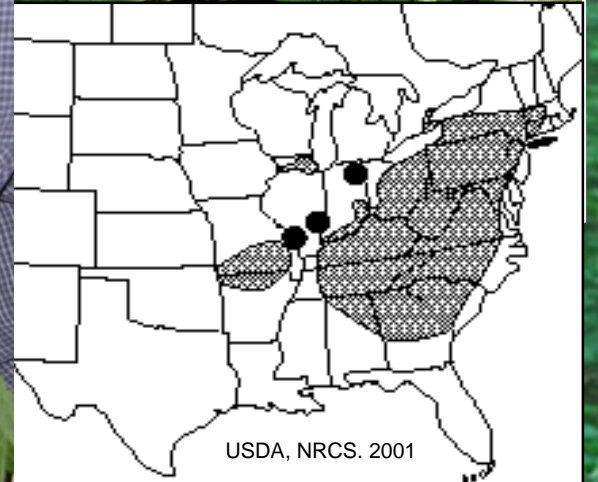
Latin Name	Common Name	Plant part	Average Annual Harvest ^a 2001-2005	Average Annual Harvest ^a 2006-2010	Percent Change
Actaea racemosa	black cohosh	Root	224,072	284,162	26.8%
Aletris farinosa	white colicroot	Root	1,012	690	-31.9%
Aristolochia serpentaria	Virginia snakeroot	Root	121	43	-64.2%
Caulophyllum thalictroides	blue cohosh	Root	6,651	5,169	-22.3%
Chamaelirium luteum	fairywand	Root	4,688	4,541	-3.1%
Cypripedium spp.	lady's slipper	Whole plant	51	48	-4.3%
Dioscorea villosa	wild yam	Tuber	33,422	37,692	12.8%
Hydrastis canadensis	goldenseal	Root & Leaf	73,619	74,708	1.5%
Panax quinquefolius	American ginseng	Root	62,294	63,461	2.0%
Sanguinaria canadensis	bloodroot	Root	24,823	5,056	-79.6%
Serenoa repens	saw palmetto	Fruit	3,293,377	2,432,841	-26.1%
Trillium erectum	red trillium	Whole plant	1,099	1,445	31.5%
Ulmus rubra	slippery elm	Bark	182,435	304,207	66.7%

Slippery Elm *Ulmus rubra*





Black Cohosh
(*Actaea racemosa* L.)



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US Mainstream Multi-Outlet Channel [retail]

2017 -- \$32,374,000

2016 -- \$36,508,000

2010 -- \$ 9,303,000

Comparative Value



\$432 per pound



\$1 per pound

Opportunities Abound, but so do Challenges and Concerns

- Challenges

- Determining sustainable harvest
- Harvest impacts on populations
- How much to harvest
- Ability to inventory
- Need for management

- Concerns

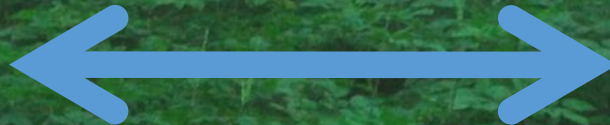
- Over harvesting
- Reproduction
- Response to Disturbance -- organ harvested and reproductive strategies



Wild Harvesting



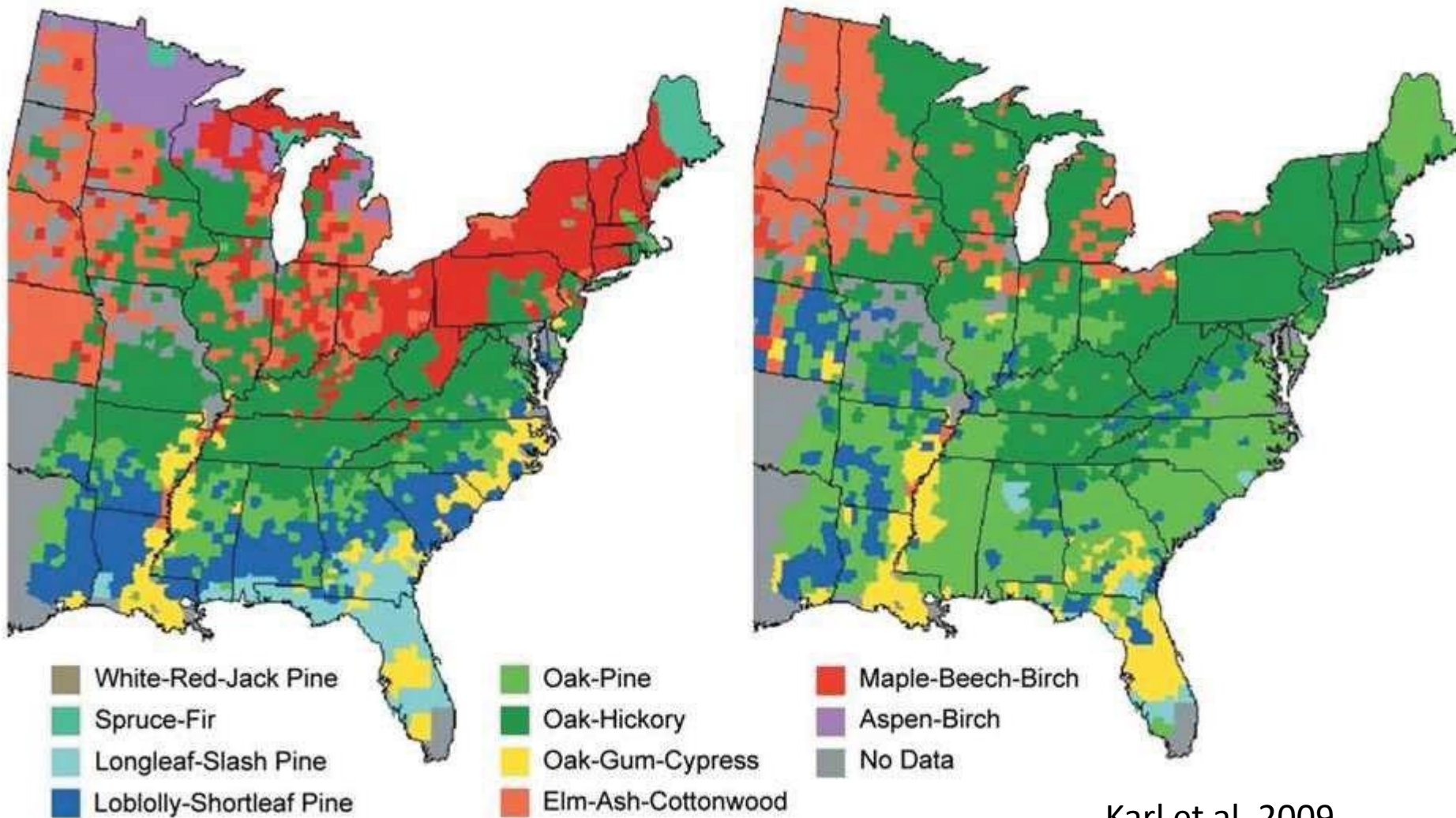
Forest Farming





Current
1960-1990

Projected
2070-2100



Karl et al. 2009

Sugar Maple (*Acer saccharum*)

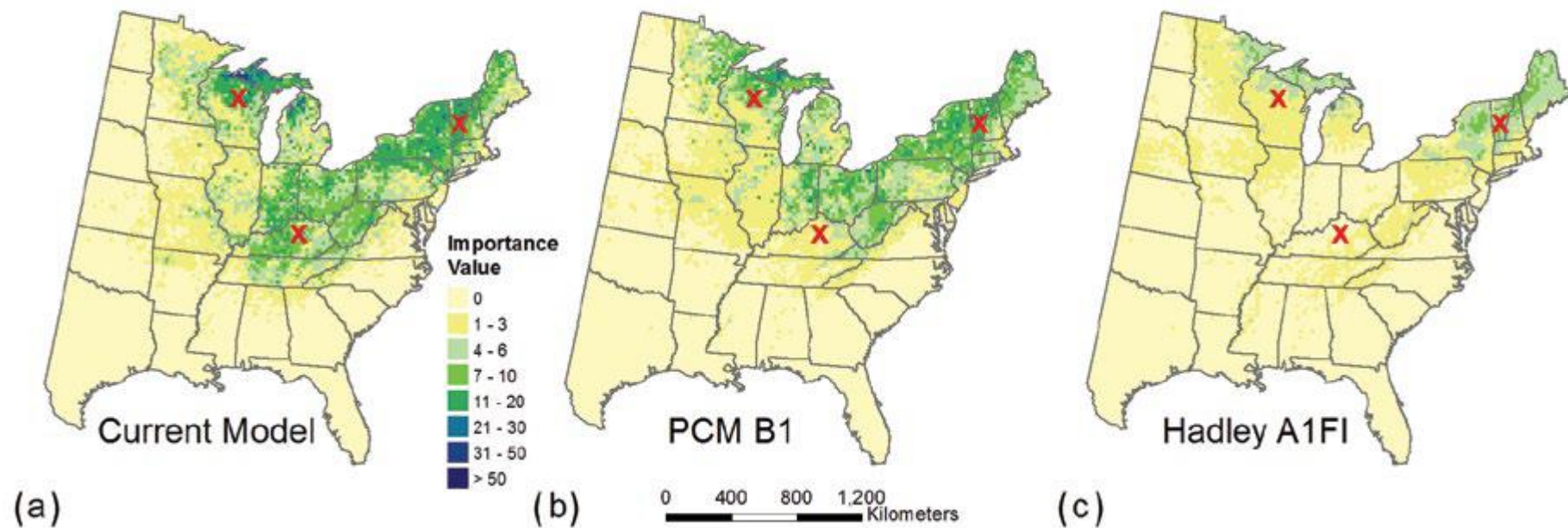
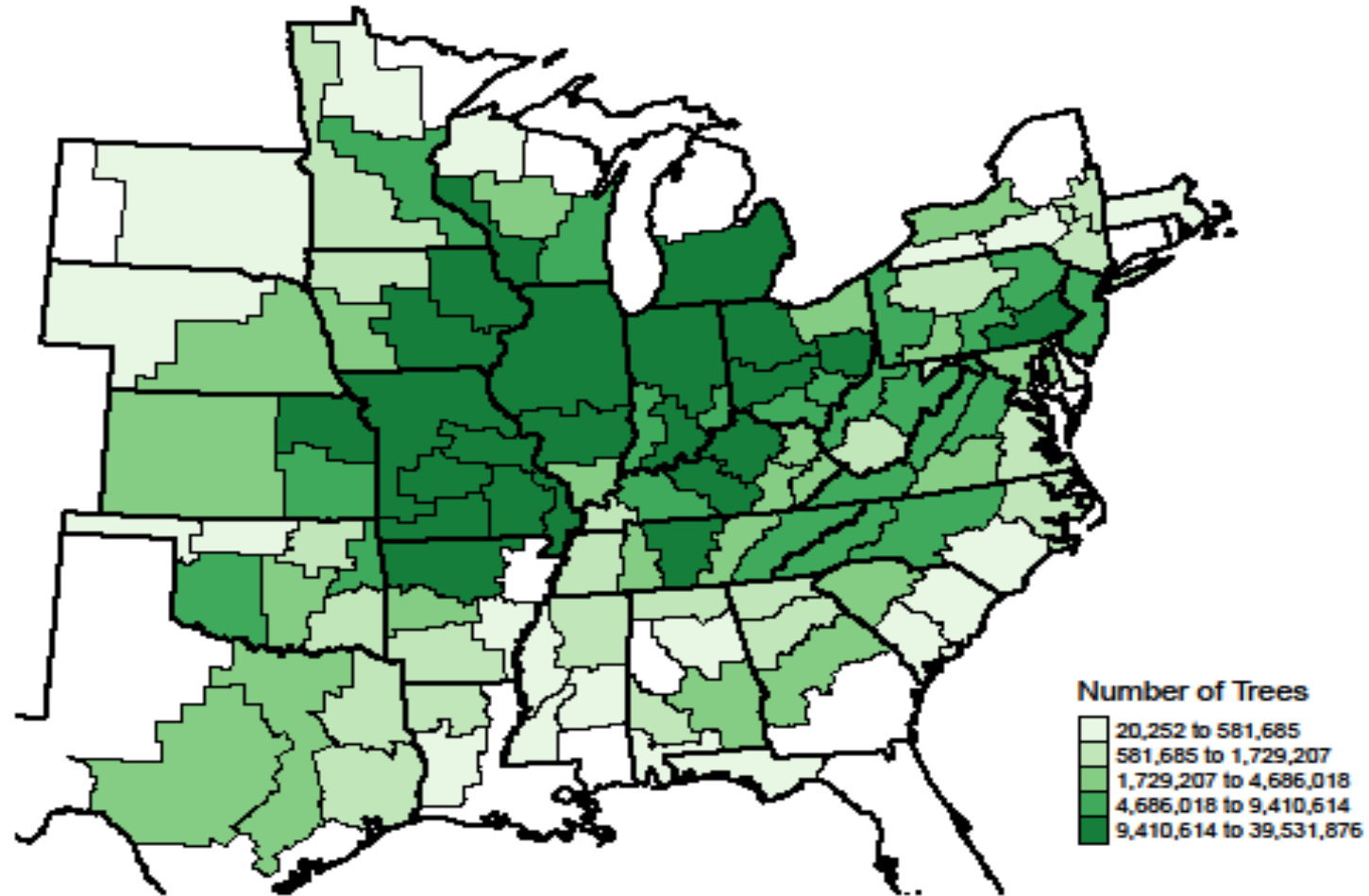


Figure A29—Suitable habitat for sugar maple across the eastern United States according to (a) current estimates for 1980 to 2000, (b) projected future habitat for the year ~2100 under a mild scenario of climate change (PCM B1), and (c) a harsh scenario (Hadley A1FI). The Xs mark the northern Wisconsin (upper left), Vermont (upper right), and Kentucky (lower center) locations for the risk matrices presented in figure A2.10.

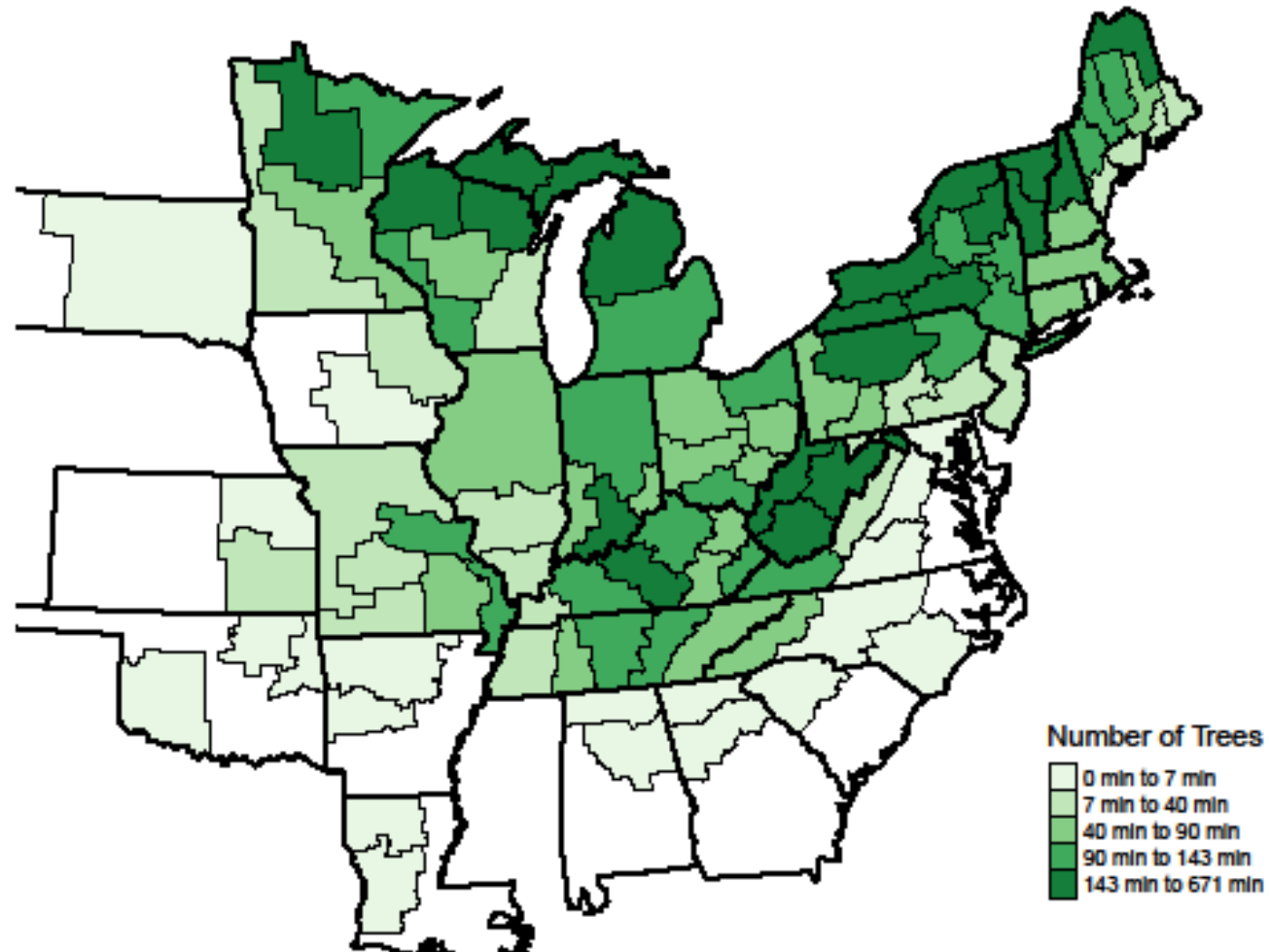
Resources

Number of Trees by FIA Unit in 2017
for Black walnut



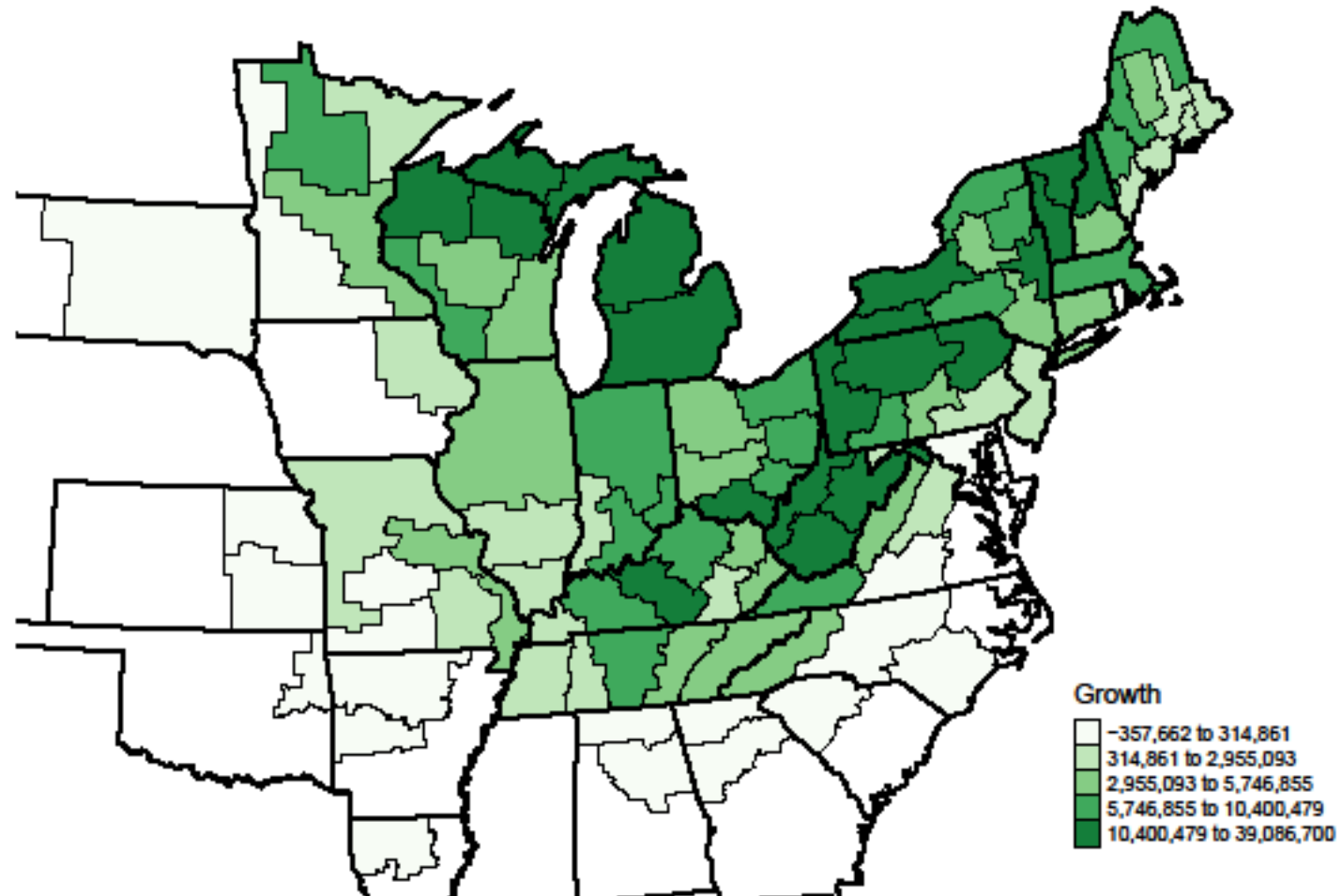
Resources

Number of Trees by FIA Unit in 2016
for Sugar maple



Resources


Growth by FIA Unit in 2016
for Sugar maple



Resources

shortcuts: eXtension.org Ask an Expert


Print PDF Email TI 100% 100%

 eXtension

Forest Farming Community

articles.extension.org/pages/62959/forest-farming-community

Forest Farming January 01, 2013






Photo source: <http://www.unl.edu/nac/forestfarming.htm>

The forest farming community

The forest farming community shares information about growing and selling high-value non-timber forest products. Members are from across the country and have experience farming and studying edible, medicinal, decorative, and craft-based products in woodlands. The community provides woodland owners and managers with information about startup, best practices, and markets and policies.

Non-timber forest products are a key part of the US forest-based economy. Examples of high-value products include shiitake mushrooms, medicinal plants such as goldenseal, decoratives such as pine straw and salal, and craft products such as cypress knees. Forest farming is the sustainable cultivation of these

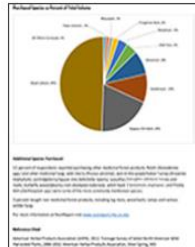
More Forest Farming information will be coming soon, but in the meantime



Welcome to Virginia Tech's RootReport

What We Do

We provide research and extension services for people who work with nontimber forest products (NTFPs), including medicinal, edible and decorative plants and fungi.



[2015 RootReport Summary](#)

About RootReport

People have harvested roots, barks, foliage, fruits and mushrooms from forests for generations. Today these are meaningful traditions and sources of income for families and communities across the country. There is growing interest in cultivating NTFPs and managing forests to produce them, but there is a lack of reliable information about their markets. Our goal is to measure the scope and distribution of NTFP production and its economic impact, and make that research available to people who work with and care about these important species.



Our Website

This website is a place to learn about our work, [see results](#) and [participate](#) in this year's confidential survey. You can also find other [resources](#) for stewarding, growing and managing lands for nontimber forest products.





Thank You!!



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