

Virginia Tech RootReport Questionnaire

Part 1: The Business. These questions tell us about the different kinds of companies that purchase medicinal forest products. They allow us to create more accurate assessments of the market and more effective extension services. Questions about employment and whether you sell to other buyers or directly to consumers help us measure the botanical industry's contribution to the regional economy. **Any information you give throughout the survey is confidential and will not be shared.**

1) Which of the following was true in **2015**?

I only bought ginseng in 2015 I bought **other** medicinal products in 2015 I bought ginseng **and** other medicinal products in 2015

I did not buy **any** medicinal forest products in 2015

2) Do you buy any **non-medicinal** forest products (edible plants or products for the floral or craft industry)? These include morels, galax, log moss, ramps, etc.

Yes No

If you answered **yes**, what non-medicinal forest products do you purchase?

If you bought medicinal products other than ginseng in 2015, please continue. If not, you've completed the survey and can send it in.

3) What **percentage** of your medicinal products do you and/or your employees harvest? _____% } **Should total 100%**
What **percentage** of your medicinal products are harvested by someone else? _____%

4) How many people (including yourself) are employed at your company (or the part of your company that works with botanicals)?

_____ Part time _____ Full time

5) Do you manufacture your own consumer products from the plants you buy? (as packaged whole root, teas, tinctures, supplements, etc)

Yes No

6) Approximately what percentage of your non-ginseng products do you sell to the following:

Other Buyers _____ Manufacturers _____ Retailers _____ Consumers _____ Other(Please Specify) _____

Part 2: Your Purchasing With your help, we want to be able to estimate total regional production in 2015 for the plants listed below. To do so, we need to know the total weight purchased, how much was dry vs fresh, how much was bought from harvesters vs other buyers (so as not to count the same product twice), and how much was wild-harvested versus cultivated. We are asking for products bought **between January and December of 2015**. Please fill in the table to the best of your ability. **This information will be kept confidential.**

<u>Product Purchased in 2015</u>	Total Amount Purchased		Amount Bought Directly From Harvesters		Amount Bought From a Primary Buyer		Wild		Cultivated	
	Dry Pounds	Fresh Pounds	Dry Pounds	Fresh Pounds	Dry Pounds	Fresh Pounds	Dry Pounds	Fresh Pounds	Dry Pounds	Fresh Pounds
Black Cohosh (<i>Actaea racemosa</i>)										
Bloodroot (<i>Sanguinaria canadensis</i>)										
Blue Cohosh (<i>Caulophyllum thalictoides</i>)										
Cranesbill, Wild Geranium (<i>Geranium maculatum</i>)										
False Unicorn, Star Grub Root, Fairywand, Devils Bit, (<i>Chamaelirium luteum</i>)										
Fringetree Bark (<i>Chionanthus virginicus</i>)										
Goldenseal (<i>Hydrastis canadensis</i>)										
Mayapple (<i>Podophyllum peltatum</i>)										
Slippery Elm (<i>Ulmus rubra</i>)										
Solomons Seal (<i>Polygonatum biflorum</i>)										
Stoneroot (<i>Collinsonia canadensis</i>)										
Trillium, Beth Root (<i>Trillium spp.</i>)										
Virginia Snakeroot (<i>Aristolochia serpentaria</i>)										
Wild Yam (<i>Dioscorea villosa</i>)										

Congratulations, you're over halfway done...

Part 3: Harvest Distribution This section is about where products are harvested. On pages 5 to 7 you will find maps of the study area divided into multi-county zones. Each zone is given a number (VA1, PA2 etc). Find the zones on the map where your products were harvested in 2015. In the first row of the table on this page (in the cells marked "Zone:"), write the zone numbers where your products were harvested. Then, to the best of your ability please fill in the percentage of each product that came from each zone you listed.

For Example:

Example	Zone: VA1	Zone: NC4	Zone: KY7	Zone: WV3	Zone: NY6	Zone: OH4	Zone: MO3	Zone:	Zone:	Zone:	% All other zones in Study Area	% Outside Study Area	% Origin Unknown	Total (Should Total 100)
Black Cohosh (<i>Actaea racemosa</i>)	15	20	20	20	20							5		100%
Bloodroot (<i>Sanguinaria canadensis</i>)	20	15	10	10	15	13	17							100%

Please fill out the table below to the best of your ability:

	Zone:	Zone:	Zone:	Zone:	Zone:	Zone:	Zone:	Zone:	Zone:	Zone:	Zone:	% All other zones in Study Area	% Outside Study Area	% Origin Unknown	Total (Should Total 100)
Black Cohosh (<i>Actaea racemosa</i>)															100%
Bloodroot (<i>Sanguinaria canadensis</i>)															100%
Blue Cohosh (<i>Caulophyllum thalictoides</i>)															100%
Cranesbill, Wild Geranium (<i>Geranium maculatum</i>)															100%
False Unicorn, Star Grub, Fairy Wand (<i>Chamaelirium luteum</i>)															100%
Fringetree Bark (<i>Chioanthus virginicus</i>)															100%
Goldenseal, Yellowroot (<i>Hydrastis canadensis</i>)															100%
Mayapple (<i>Podophyllum peltatum</i>)															100%
Slippery Elm (<i>Ulmus rubra</i>)															100%
Stoneroot (<i>Collinsonia canadensis</i>)															100%
Trillium, Beth Root (<i>Trilium spp.</i>)															100%
VA Snakeroot (<i>Aristolochia serpentaria</i>)															100%
Wild Yam (<i>Dioscorea villosa</i>)															100%

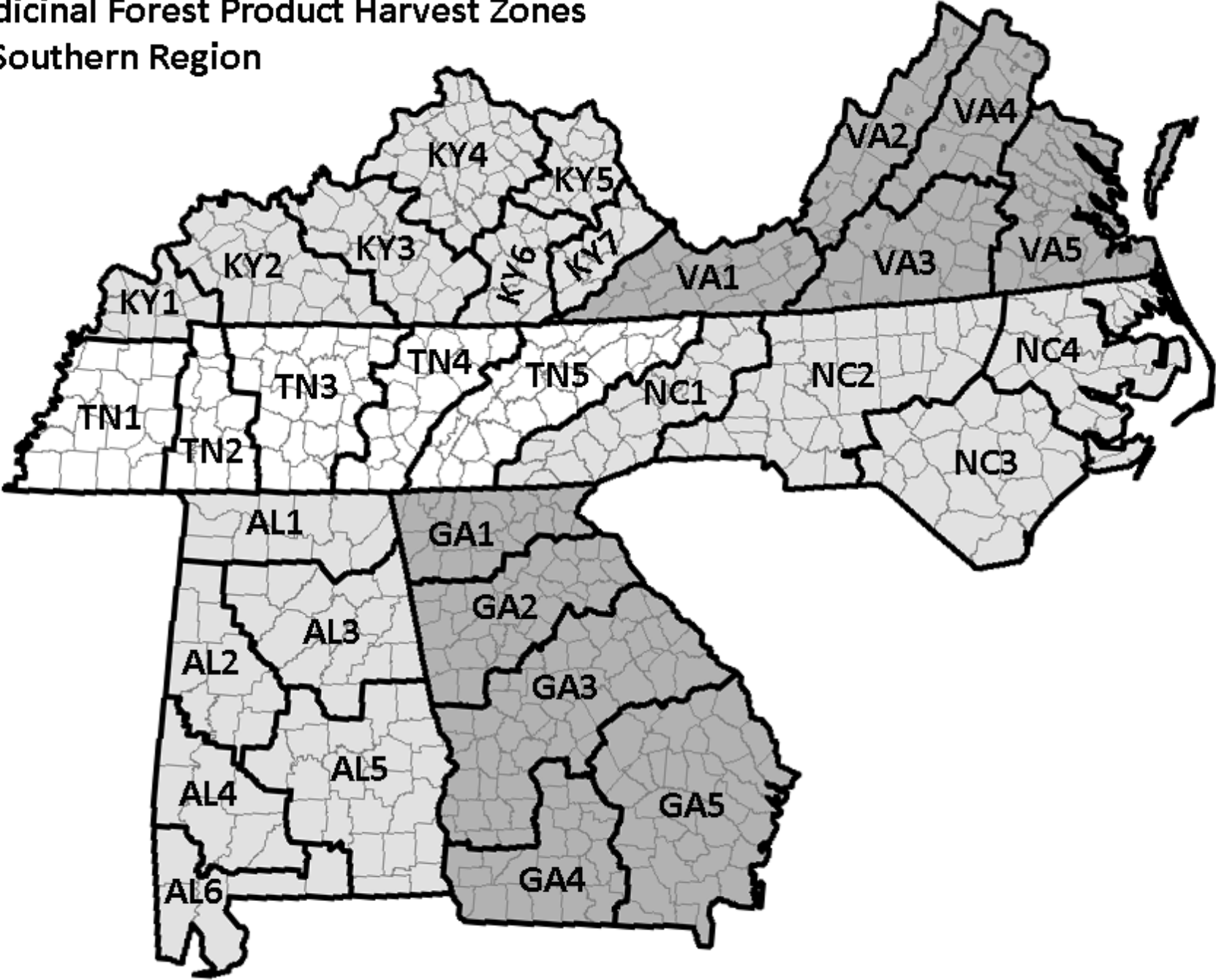
Part 4: Wrapping Up Are there other medicinal forest products you commonly purchase that we did not ask about?

Optional: To understand the impact of non-timber forest products on our region’s economy, and how changes in price influence harvesting from year to year we need to have an idea of the value of these products. To do so we are asking for participants to enter the average price (or range of prices) **paid to harvesters** in your area in 2015. **These numbers do not represent your own prices**, just your estimate of the average amount paid in **2015** in your area.

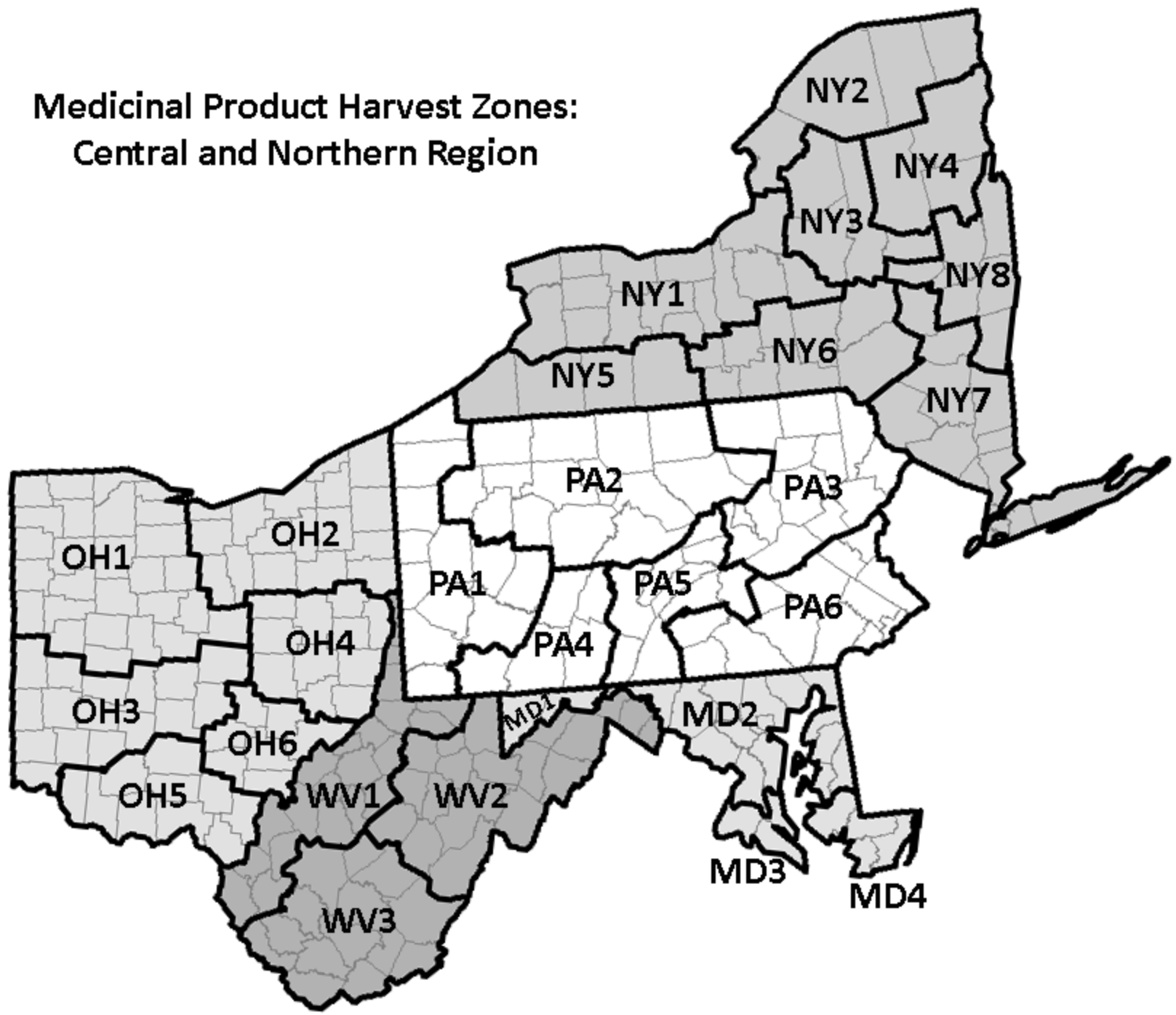
	Black Cohosh	Bloodroot	Blue Cohosh	Cranesbill	False Unicorn, Star Grub	Fringetree Bark	Goldenseal	Mayapple	Slippery Elm Bark	Solomons Seal	Stoneroot	Trillium (Bethroot)	Virginia Snakeroot	Wild Yam
Dry Price														
Fresh Price														

Thank you for taking the time and effort to complete this questionnaire. If you have any additional comments, questions, or feedback on ways we can improve the survey, please feel free to add them below.

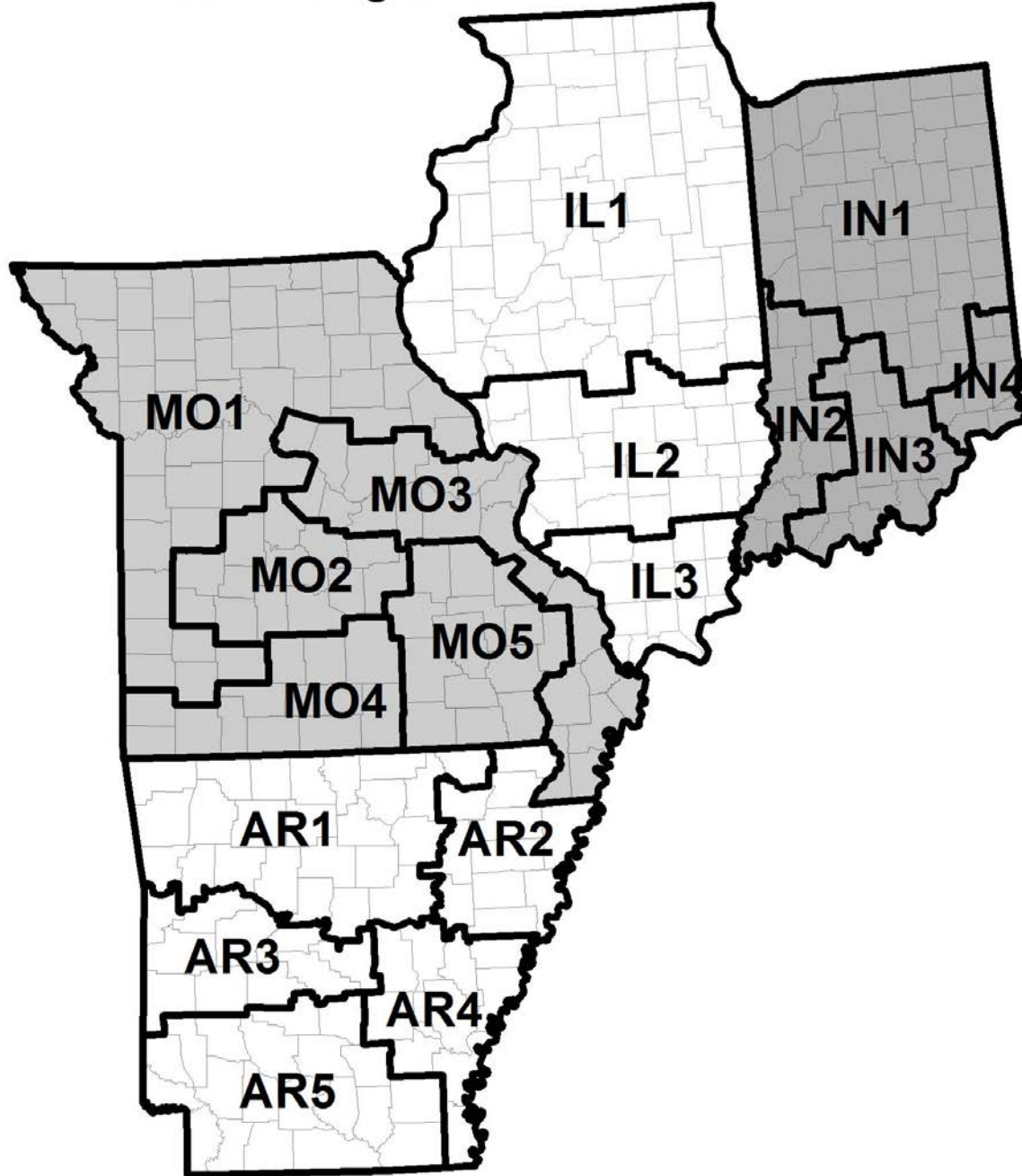
**Medicinal Forest Product Harvest Zones
Southern Region**



**Medicinal Product Harvest Zones:
Central and Northern Region**



Medicinal Forest Product Harvest Zones Western Region



Medicinal Forest Product Zones by County

Alabama Zones by County

AL1: Colbert, DeKalb, Franklin, Jackson, Lauderdale, Lawrence, Limestone, Madison, Marshall, Morgan. **AL2:** Bibb, Fayette, Greene, Hale, Lamar, Marion, Perry, Pickens, Tuscaloosa. **AL3:** Blount, Calhoun, Cherokee, Clay, Cleburne, Coosa, Cullman, Etowah, Jefferson, Randolph, Saint Clair, Shelby, Talladega, Walker, Winston. **AL4:** Choctaw, Clarke, Conecuh, Marengo, Monroe, Sumter, Wilcox. **AL5:** Autauga, Barbour, Bullock, Butler, Chambers, Chilton, Coffee, Crenshaw, Dale, Dallas, Elmore, Geneva, Henry, Houston, Lee, Lowndes, Macon, Montgomery, Pike, Russell, Tallapoosa. **AL6:** Baldwin, Covington, Escambia, Mobile, Washington.

Arkansas Zones by County

AR1: Baxter, Benton, Boone, Carroll, Cleburne, Conway, Crawford, Franklin, Fulton, Independence, Izard, Johnson, Madison, Marion, Newton, Pope, Randolph, Searcy, Sharp, Stone, Van Buren, Washington, White. **AR2:** Clay, Craighead, Crittenden, Cross, Greene, Jackson, Lawrence, Mississippi, Pointsett, Saint Francis, Woodruff. **AR3:** Garland, Logan, Montgomery, Perry, Polk, Pulaski, Saline, Scott, Sebastian, Yell. **AR4:** Arkansas, Chicot, Desha, Jefferson, Lee, Lincoln, Lonoke, Monroe, Phillips, Prairie. **AR5:** Ashley, Bradley, Calhoun, Clark, Cleveland, Columbia, Dallas, Drew, Grant, Hempstead, Hot Springs, Howard, Lafayette, Little River, Miller, Nevada, Ouachita, Pike Sevier, Union

Georgia Zones by County

GA1: Bartow, Catoosa, Chattooga, Cherokee, Dade, Dawson, Fannin, Floyd, Fulton, Gilmer, Gordon, Habersham, Hall, Lumpkin, Murray, Pickens, Rabun, Stephens, Towns, Union, Walker, Whitfield, White. **GA2:** Banks, Barrow, Bartow, Carroll, Clarke, Clayton, Cobb, Coweta, DeKalb, Douglas, Elbert, Fayette, Forsyth, Franklin, Fulton, Gwinnett, Hall, Haralson, Hart, Heard, Henry, Jackson, Madison, Meriwether, Newton, Oconee, Oglethorpe, Paulding, Polk, Rockdale, Spalding, Troup, Walton. **GA3:** Baldwin, Bibb, Bleckley, Burke, Butts, Calhoun, Chattahoochee, Clay, Columbia, Crawford, Dougherty, Glascock, Greene, Hancock, Harris, Houston, Jasper, Jefferson, Jones, Lamar, Lee, Lincoln, Macon, Marion, McDuffie, Monroe, Morgan, Muscogee, Peach, Pike, Pulaski, Putnam, Quitman, Randolph, Richmond, Schley, Stewart, Sumter, Talbot, Taylor, Taliaferro, Terrell, Twiggs, Upson, Warren, Washington, Webster, Wilkes, Wilkinson. **GA4:** Baker, Ben Hill, Berrien, Brooks, Colquitt, Cook, Crisp, Decatur, Dooly, Early, Grady, Irwin, Lanier, Lowndes, Miller, Mitchell, Seminole, Thomas, Tift, Turner, Wilcox, Worth. **Zone GA5:** Appling, Atkinson, Bacon, Brantley, Bryan, Bulloch, Camden, Candler, Charlton, Chatham, Clinch, Coffee, Dodge, Echols, Effingham, Emanuel, Evans, Glynn, Jeff Davis, Jenkins, Johnson, Liberty, Laurens, Long, McIntosh, Montgomery, Pierce, Screven, Tattnall, Telfair, Toombs, Treutlen, Ware, Wayne, Wheeler

Illinois Zones by County

IL1: Adams, Boone, Brown, Bureau, Carroll, Cass, Champaign, Christian, Coles, Cook, DeKalb, De Witt, Douglas, Edgar, Ford, Fulton, Grundy, Hancock, Henderson, Henry, Iroquois, Jo Daviess, Kane, Kankakee, Kendall, Knox, Lake, La Salle, Lee, Livingston, Logan, Macon, Marshall, Mason, McDonough, McHenry, Menard, Mercer, Moultrie, Ogle, Peoria, Piatt, Pike, Putnam, Rock Island, Sangamon, Schuyler, Scott, Stark, Stephenson, Tazewell, Vermillion, Warren, Whiteside, Will, Winnebago, Woodford. **IL2:** Bond, Calhoun, Clark, Clay, Clinton, Crawford, Cumberland, Edwards, Effingham, Fayette, Greene, Jasper, Jefferson, Jersey, Lawrence, Macoupin, Madison, Marion, Monroe, Montgomery, Richland, Saint Clair, Shelby, Wabash, Washington, Wayne. **IL3:** Alexander, Franklin, Gallatin, Hamilton, Hardin, Jackson, Johnson, Massac, Perry, Pope, Pulaski, Randolph, Saline, Union, White, Williamson

Indiana Zones by County

IN1: Allen, Bartholomew, Benton, Blackford, Boone, Carroll, Cass, Decatur, DeKalb, Delaware, Elkhart, Fulton, Grant, Hamilton, Hancock, Hendricks, Henry, Howard, Huntington, Jasper, Jay, Johnson, Kosciusko, Lagrange, La Porte, Lake, Madison, Marion, Marshall, Miami, Montgomery, Newton, Noble, Porter, Pulaski, Randolph, Rush, Saint Joseph, Shelby, Stark, Steuben, Tippecanoe, Tipton, Wabash, Wayne, Wells, White, Whitley. **IN2:** Clay, Daviess, Gibson, Greene, Knox, Martin, Parke, Pike, Posey, Putnam, Sullivan, Vanderburgh, Vermillion, Vigo

IN3: Brown, Clark, Crawford, Dubois, Floyd, Harrison, Jackson, Lawrence, Monroe, Morgan, Owen, Perry, Scott, Spencer, Warrick, Washington. **IN4:** Dearborn, Fayette, Franklin, Jefferson, Jennings, Ohio, Ripley, Switzerland, Union

Kentucky Zones by County

KY1: Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, Livingston, Lyon, Marshall, McCracken, Trigg. **KY2:** Allen, Butler, Caldwell, Christian, Crittenden, Daviess, Edmonson, Franklin, Henderson, Hopkins, Logan, McLean, Monroe, Montgomery, Muhlenberg, Ohio, Scott, Shelby, Simpson, Union, Todd, Warren, Webster. **KY3:** Adair, Barren, Breckinridge, Bullitt, Casey, Clinton, Cumberland, Grayson, Green, Hancock, Hardin, Hart, LaRue, Marion, Meade, Metcalfe, Nelson, Pulaski, Russell, Taylor, Wayne. **KY4:** Anderson, Bath, Boone, Bourbon, Boyle, Bracken, Campbell, Carroll, Clark, Fayette, Fleming, Gallatin, Garrard, Grant, Harrison, Henry, Jefferson, Jessamine, Kenton, Lincoln, Madison, Mason, Mercer, Nicholas, Oldham, Owen, Pendleton, Robertson, Spencer, Trimble, Washington, Woodford. **Zone KY5:** Boyd, Carter, Elliott, Greenup, Johnson, Lawrence, Lewis, Magoffin, Menifee, Morgan, Powell, Rowan, Wolfe. **Zone KY6:** Bell, Breathitt, Clay, Estill, Knox, Jackson, Laurel, Lee, McCreary, Owensley, Rockcastle, Whitley **KY7:** Floyd, Harlan, Knott, Leslie, Letcher, Martin, Perry, Pike.

Maryland Zones by County

MD1: Allegany, Garrett. **MD2:** Anne Arundel, Baltimore, Baltimore City, Caroline, Carroll, Cecil, Frederick, Harford, Howard, Kent, Montgomery, Prince George's, Queen Anne's, Talbot, Washington **MD3:** Calvert, Charles, St. Mary's. **MD4:** Dorchester, Somerset, Wicomico, Worcester.

Missouri Zones by County

MO1: Adair, Andrew, Atchison, Audrain, Barton, Bates, Buchanan, Caldwell, Carroll, Cass, Chariton, Clark, Clay, Clinton, Cooper, Dade, Daviess, DeKalb, Gentry, Greene, Grundy, Harrison, Henry, Holt, Jackson, Jasper, Johnson, Knox, Lafayette, Lawrence, Lewis, Lincoln, Linn, Marion, Mercer, Monroe, Nowaday, Pettis, Pike, Platte, Putnam, Ralls, Randolph, Ray, Saline, Schuyler, Scotland, Shelby, Sullivan, Vernon, Worth **MO2:** Benton, Camden, Cedar, Dallas, Hickory, Laclede, Maries, Morgan, Miller, Pulaski, Phelps, Polk, Saint Clair. **MO3:** Bollinger, Boone, Butler, Callaway, Cape Girardeau, Chariton, Crawford, Dunklin, Franklin, Gasconade, Howard, Jefferson, Lincoln, Maries, Miller, Mississippi, Moniteau, New Madrid, Osage, Pemiscot, Perry, Phelps, Pike, Saint Charles, Saint Francois, Saint Louis County, Sainte Genevieve, Saline, Scott, Stoddard, Washington, Wayne. **MO4:** Barry, Christian, Douglas, Howell, McDonald, Newton, Ozark, Stone, Taney, Texas, Webster, Wright. **MO5:** Bollinger, Butler, Carter, Crawford, Dent, Iron, Madison, Oregon, Reynolds, Ripley, Saint Francois, Shannon, Washington, Wayne.

New York Zones by County

NY1: Cayuga, Erie, Genesee, Livingston, Madison, Monroe, Niagara, Onondaga, Orleans, Oswego, Seneca, Wayne, Wyoming, Yates. **NY2:** Clinton, Franklin, Jefferson, St. Lawrence. **NY3:** Fulton, Herkimer, Lewis, Oneida. **NY4:** Essex, Hamilton, Warren. **NY5:** Allegany, Cattaraugus, Chautauque, Steuben **NY6:** Broome, Chemung, Chenango, Courtland, Delaware, Otsego, Schuyler, Tioga, Tompkins. **NY7:** Bronx, Dutchess, Greene, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Schoharie, Suffolk, Sullivan, Ulster, Westchester **NY8:** Albany, Columbia, Montgomery, Rensselaer, Saratoga, Schenectady, Washington.

North Carolina Zones by County

NC1: Alleghany, Ashe, Avery, Buncombe, Burke, Caldwell, Cherokee, Clay, Graham, Haywood, Henderson, Jackson, McDowell, Macon, Madison, Mitchell, Swain, Transylvania, Watauga, Wilkes, Yancey. **NC2:** Alamance, Alexander, Anson, Cabarrus, Caswell, Catawba, Chatham, Cleveland, Davidson, Davie, Durham, Forsyth, Franklin, Gaston, Granville, Guilford, Iredell, Lincoln, Mecklenburg, Montgomery, Orange, Person, Polk, Randolph. **NC3:** Rockingham, Rowan, Rutherford, Stanly, Stokes, Surry, Union, Vance, Wake, Warren, Yadkin. **NC3:** Bladen, Brunswick, Columbus, Cumberland, Duplin, Greene, Harnett, Hoke, Johnston, Jones, Lee, Lenoir, Moore, New Hanover, Onslow, Pender, Richmond, Robeson, Sampson, Scotland, Wayne. **NC4:** Beaufort, Bertie, Camden, Carteret, Chowan, Craven, Currituck, Dare, Edgecombe, Gates, Halifax, Hertford, Hyde, Martin, Nash, Northampton, Pamlico, Pasquotank, Perquimans, Pitt, Tyrrell, Washington, Wilson.

Ohio Zones by County

OH1: Allen, Auglaize, Champaign, Crawford, Delaware, Defiance, Fulton, Hancock, Hardin, Harding, Henry, Knox, Logan, Lucas, Marion, Mercer, Morrow, Ottawa, Putnam, Sandusky, Seneca, Shelby, Union, Williams, Van Wert, Wood, Wyandot. **OH2:** Ashland, Ashtabula, Columbiana, Cuyahoga, Erie, Geauga, Huron, Lake, Lorain, Mahoning, Medina, Portage, Richland, Stark, Summit, Trumbull, Wayne. **OH3:** Butler, Clark, Clinton, Darke, Fairfield, Fayette, Franklin, Greene, Hamilton, Licking, Madison, Miami, Montgomery, Pickaway, Preble, Warren. **OH4:** Belmont, Carroll, Coshocton, Guernsey, Harrison, Holmes, Jefferson, Monroe, Muskingum, Noble, Tuscarawas. **OH5:** Adams, Brown, Clermont, Gallia, Highland, Jackson, Lawrence, Pike, Ross, Scioto. **OH6:** Athens, Hocking, Meigs, Morgan, Perry, Vinton, Washington.

Pennsylvania Zones by County

PA1: Allegheny, Armstrong, Beaver, Butler, Crawford, Erie, Indiana, Greene, Lawrence, Mercer, Washington, Westmoreland. **PA2:** Cameron, Centre, Clarion, Clearfield, Clinton, Elk, Forest, Jefferson, Lycoming, McKean, Potter, Sullivan, Tioga, Venango, Warren **PA3:** Bradford, Carbon, Lackawanna, Luzerne, Monroe, Montour, Northumberland, Pike, Schuylkill, Susquehanna, Wayne, Wyoming. **PA4:** Bedford, Blair, Cambria, Fayette, Somerset. **PA5:** Dauphin, Franklin, Fulton, Huntingdon, Juniata, Mifflin, Perry, Snyder, Union. **PA6:** Adams, Berks, Bucks, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Montgomery, Northampton, Philadelphia, York.

Tennessee Zones by County

TN1: Carroll, Chester, Crockett, Dyer, Fayette, Gibson, Hardeman, Haywood, Henderson, Henry, Lake, Lauderdale, Obion, Madison, McNairy, Shelby, Tipton, Weakley. **TN2:** Benton, Decatur, Hardin, Hickman, Houston, Humphreys, Lawrence, Lewis, Perry, Stewart, Wayne. **TN3:** Bedford, Cannon, Cheatham, Clay, Coffee, Davidson, DeKalb, Dickson, Giles, Jackson, Lincoln, Macon, Marshall, Maury, Montgomery, Moore, Robertson, Rutherford, Smith, Sumner, Trousdale, Williamson, Wilson. **TN4:** Bledsoe, Campbell, Cumberland, Fentress, Franklin, Grundy, Marion, Morgan, Overton, Pickett, Putnam, Scott, Sequatchie, Van Buren, Warren, White. **TN5:** Anderson, Blount, Bradley, Carter, Claiborne, Cocke, Grainger, Greene, Hamblen, Hamilton, Hancock, Hawkins, Jefferson, Johnson, Knox, Loudon, McMinn, Meigs, Monroe, Polk, Rhea, Roane, Sevier, Sullivan, Unicoi, Union, Washington.

Virginia Zones by County

VA1: Bland, Bristol, Buchanan, Carroll, Dickenson, Floyd, Galax, Giles, Grayson, Lee, Montgomery, Pulaski, Radford, Russell, Scott, Smyth, Tazewell, Washington, Wise, and Wythe. **VA2:** Alleghany, Augusta, Bath, Botetourt, Buena Vista, Clarke, Covington, Craig, Frederick, Harrisonburg, Highland, Lexington, Page, Roanoke, Roanoke city, Rockbridge, Rockingham, Salem, Shenandoah, Warren, Waynesboro, and Winchester. **VA3:** Amelia, Appomattox, Bedford, Bedford City, Buckingham, Campbell, Charlotte, Cumberland, Danville, Franklin, Halifax, Henry, Lunenburg, Lynchburg, Martinsville, Mecklenburg, Nottoway, Patrick, Pittsylvania, Powhatan, and Prince Edward. **VA4:** Albemarle, Alexandria, Amherst, Arlington, Charlottesville, Culpepper, Fairfax, Fairfax City, Falls Church, Fauquier, Fluvanna, Fredericksburg, Goochland, Greene, Loudon, Louisa, Madison, Manassas, Manassas Park, Nelson, Orange, Prince William, Rappahannock, Spotsylvania, and Stafford. **VA5:** Accomack, Brunswick, Caroline, Charles City, Chesapeake, Colonial Heights, Dinwiddie, Emporia, Essex, Franklin City, Gloucester, Greensville, Hampton, Hanover, Henrico, Hopewell, Isle of Wight, James City, King and Queen, King George, King William, Lancaster, Mathews, Middlesex, New Kent, Newport News, Norfolk, Northampton, Northumberland, Petersburg, Poquoson, Portsmouth, Prince George, Richmond, Richmond City, Southampton, Suffolk, Surry, Sussex, Virginia Beach, Westmoreland, Williamsburg, York.

West Virginia Zones by County

WV1: Brooke, Cabell, Calhoun, Doddridge, Gilmer, Hancock, Jackson, Lincoln, Marion, Marshall, Mason, Monongalia, Ohio, Pleasants, Putnam, Ritchie, Roane, Tyler, Wayne, Wetzel, Wirt, Wood. **WV2:** Barbour, Berkeley, Braxton, Grant, Hampshire, Hardy, Harrison, Jefferson, Lewis, Mineral, Morgan, Pendleton, Preston, Pocahontas, Preston, Randolph, Taylor, Tucker, Upshur, Webster. **WV3:** Boone, Clay, Fayette, Greenbrier, Kanawha, Logan, McDowell, Mercer, Mingo, Monroe, Nicholas, Raleigh, Summers, Wyoming