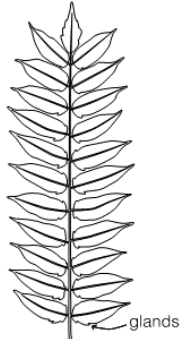
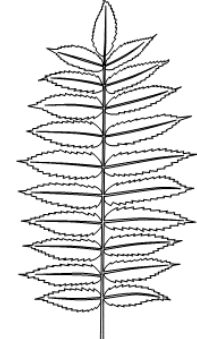
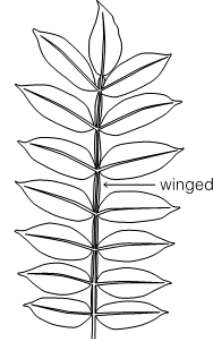
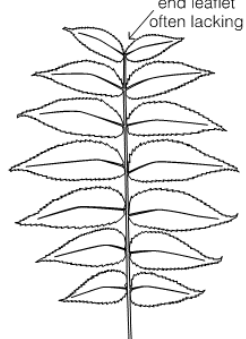
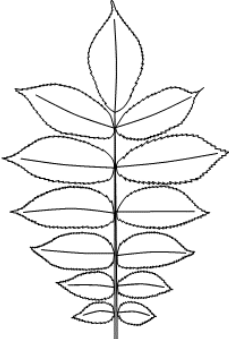
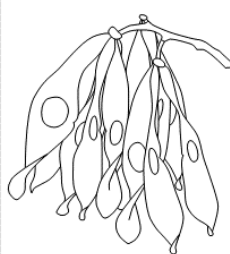

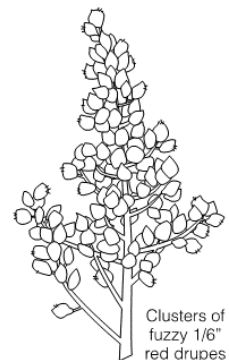
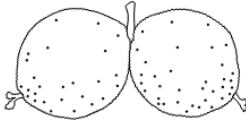
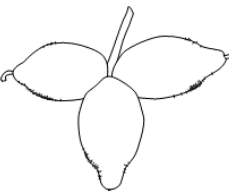


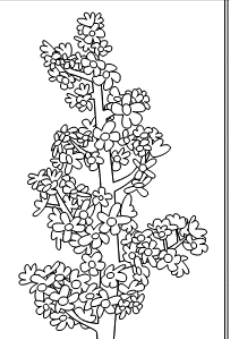
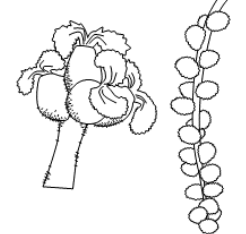
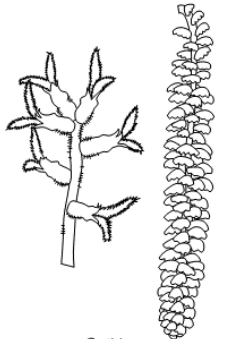
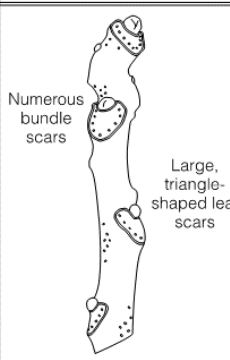
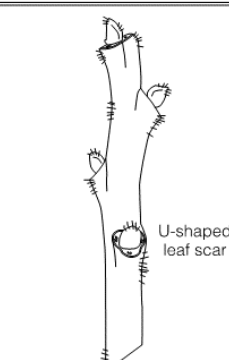
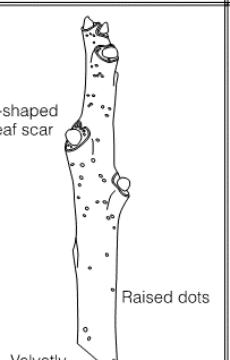
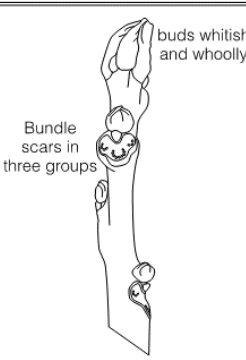
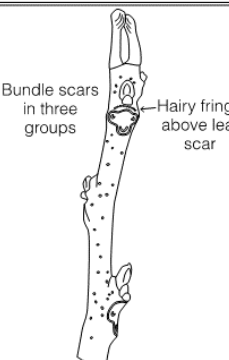


## Invasive Tree-of-Heaven & Native Look-Alike Identification Drawings

Tree-of-Heaven <i>Allanthus altissima</i> (invasive)	Staghorn Sumac <i>Rhus typhina</i> (native)	Winged/Shining Sumac <i>Rhus copallina</i> (native)	Black Walnut <i>Juglans nigra</i> (native)	Butternut <i>Juglans cinerea</i> (native)
 <p style="text-align: right;">glands</p> <p>11-41 leaflets    leaves 12-36"</p>	 <p>11-31 leaflets    leaves 12-24"</p>	 <p style="text-align: right;">winged</p> <p>11-23 leaflets    leaves 6-14"</p>	 <p style="text-align: right;">end leaflet often lacking</p> <p>7-17 leaflets    leaves 12-24"</p>	 <p>7-17 leaflets    leaves 15-25"</p>
 <p>Samaras - yellowish or brown</p>	 <p>Clusters of fuzzy 1/8" red drupes</p>	 <p>Clusters of fuzzy 1/6" red drupes</p>	 <p>Fruit large and spherical Nuts with 1-piece husks</p>	 <p>Fruits pear shaped and sticky Nuts with 1-piece husks</p>
 <p>Panicles of yellowish flowers</p>	 <p>Panicles of yellow-green flowers</p>	 <p>Panicles of yellow-green flowers</p>	 <p>Catkins</p>	 <p>Catkins</p>
 <p>Numerous bundle scars</p> <p>Large, triangle-shaped leaf scars</p> <p>Stout and hairless</p>	 <p>U-shaped leaf scar</p> <p>Very hairy</p>	 <p>U-shaped leaf scar</p> <p>Raised dots</p> <p>Velvety</p>	 <p>buds whitish and woolly</p> <p>Bundle scars in three groups</p> <p>Stout and hairless</p>	 <p>Bundle scars in three groups</p> <p>Hairy fringe above leaf scar</p>

Prepared by Rachel Brooks (Virginia Tech), Barbara Bailey (VCE-Loudoun), and Beth Sastre (VCE-Loudoun). Photos by: John Seiler, Edward Jensen, Alex Niemiera, and John Peterson (<http://dendro.cnre.vt.edu/dendrology/factsheets.cfm>); tree-of-heaven leaves photo: Doug Goldman (hosted by the USDA-NRCS PLANTS Database). SPES-148NP

## Invasive Tree-of-Heaven & Native Look-Alike Identification Photographs

Tree-of-Heaven <i>Ailanthus altissima</i> (invasive)	Staghorn Sumac <i>Rhus typhina</i> (native)	Winged/Shining Sumac <i>Rhus copallina</i> (native)	Black Walnut <i>Juglans nigra</i> (native)	Butternut <i>Juglans cinerea</i> (native)
				
				
				
				

Prepared by Rachel Brooks (Virginia Tech), Barbara Bailey (VCE-Loudoun), and Beth Sastre (VCE-Loudoun). Photos by: John Seiler, Edward Jensen, Alex Niemiera, and John Peterson (<http://dendro.cnre.vt.edu/dendrology/factsheets.cfm>); tree-of-heaven leaves photo: Doug Goldman (hosted by the USDA-NRCS PLANTS Database). SPES-148NP