

Project Name:

Arnold Air Force Base, Tennessee

Approximate Area of Project:

Approximately 11,000+ acres

Activity:

On the Ground Invasive Plant Management

IPC has worked continuously at Arnold Air Force Base since 1999 controlling invasive plant species. During this time staff have either visited or managed plants on all of the following sites:

- Airfield which represents an endemic barrens prairie population with numerous RTE species, including Eggerts sunflower (*Helianthus eggertii*).
- Saltwell Hollow
- Model Airplane Field
- Diameter Limit Cut
- Elk River Bottoms
- Bradley Creek
- National Guard Range
- Camp Forrest
- J6 Roadside
- Cow Pond Road
- Dixie Road
- Sinking Pond



Many areas at AEDC require foliar applications. IPC utilizes boomless nozzles from RTV's, ATV's and tractors where applicable to apply herbicides



In order to protect rare species IPC utilizes Integrated pest management practices such as brush cutting followed by a selective spray on this Autumn Olive at AEDC.



There are many sites with rare species at AEDC that require selective low volume spraying.



When spraying this garlic mustard at AEDC, IPC uses backpack sprayers because these sites are inaccessible to vehicles.



Invasive Pest Plants IPC has managed for Arnold Air Force Base

<i>Scientific Name</i>	Common name	Cut and Treat	Girdle	Foliar Spray	Grub	Basal Bark
Tree Species						
<i>Ailanthus altissima</i>	Tree of Heaven	X	X	X	X	X
<i>Albizia julibrissin</i>	Silk tree	X	X	X	X	X
<i>Paulownia tomentosa</i>	Princess tree	X	X	X	X	X
<i>Pinus taeda L</i>	Loblolly pine	X			X	
Multistemmed Species						
<i>Ligustrum sinense</i>	Privet	X		X	X	X
<i>Rosa multiflora</i>	Multiflora rose	X		X		X
<i>Elaeagnus fortunei</i>	Autumn olive	X		X		X
<i>Euonymus alatus</i>	Burning bush	X		X	X	X
<i>Lespedeza bicolor</i>	Shrub lespedeza	X		X		
<i>Poncirus trifoliata</i>	Trifoliolate Orange	X		X	X	
Herbaceous Species						
<i>Alliaria petiolata</i>	Garlic mustard			X	X	
<i>Polygonum cuspidatum</i>	Japanese knotweed			X	X	
<i>Microstegium vinineum</i>	Japanese stiltgrass			X	X	
<i>Lespedeza cuneata</i>	Sirecea lespedeza			X		
<i>Sorghum halepense</i>	Johnsongrass			X		
<i>Schedonorus phoenix</i>	Tall fescue			X		
<i>Securigera varia</i>	Crown vetch			X		
<i>Centaurea stoebe ssp. micranthos</i>	Spotted knapweed			X		
Vine Species						
<i>Dioscorea oppositifolia L.</i>	Chinese yam			X		
<i>Pueraria montana</i>	Kudzu	X		X		
<i>Lonicera japonica</i>	Japanese honeysuckle	X		X	X	
<i>Vinca minor</i>	Periwinkle			X	X	
<i>Vinca major</i>	Large-leafed periwinkle			X	X	
<i>Hedera helix</i>	English ivy	X		X	X	