

Removal Techniques for Aquatic and Terrestrial Non-native Invasive Plant Species

Scientific name (common name)	Approximate Extent on Prospect	Technique	Herbicide	Herbicide Timing	Mechanical Timing
AQUATIC PLANT SPECIES					
<i>Ludwigia</i> spp. (<i>peploides</i> - <i>ss montevendensis</i>) (water primrose)	160–200 ac	dewater, herbicide, and physical removal	tank-mix of imazapyr (est. 6 pints (pts)/ac of Habitat or Polaris), glyphosate (est. 7.5 pts/ac of Roundup Custom or AquaMaster), or other approved products	post-dewatering	post-herbicide
<i>Myriophyllum spicatum</i> (Eurasian water-milfoil)	50–60 ac				
<i>Potamogeton crispus</i> (curlyleaf pondweed)	5–7 ac				
TERRESTRIAL PLANT SPECIES					
<i>Arundo donax</i> (giant reed)	<0.1 ac	physical rhizome removal and cut/herbicide	spot application of glyphosate (est. 3.3 qts/ac of Roundup ProMax)	Sep–Oct	3 weeks–3 months prior to herbicide
<i>Foeniculum vulgare</i> (fennel)	2 ac	herbicide	spot application of triclopyr (est. 8 qts/ac of Garlon 4 Ultra)	Mar–Apr	N/A
<i>Centaurea solstitialis</i> (yellow star-thistle)	0.2 ac	mowing and herbicide	spot application of glyphosate (est. 3.3 qts/ac of Roundup ProMax)	Apr–May	prior to herbicide, April–May
<i>Sesbania punicea</i> (red sesbania)	<0.01 ac	physical and herbicide	spot application of triclopyr (est. 8 qts/ac of Garlon 4 Ultra)	Apr–May	year-round, immediately prior to herbicide

Scientific name (common name)	Approximate Extent on Prospect	Technique	Herbicide	Herbicide Timing	Mechanical Timing
<i>Rubus armeniacus</i> (Himalayan blackberry)	2–5 ac (estimated)	mowing and herbicide	spot application of triclopyr (est. 8 qts/ac of Garlon 4 Ultra)	Mar–Apr	Mar, immediately prior to herbicide
<i>Cortaderia selloana</i> (pampas grass)	<0.01 ac	mowing and herbicide	spot application of glyphosate (est. 3.3 qts/ac of Roundup ProMax)	Sept–Nov	Sept–Nov, immediately prior to herbicide
<i>Lepidium latifolium</i> (perennial pepperweed)	unknown	herbicide	spot application of chlorsulfuron (est. 2.5 oz/ac of Telar)	Apr–May	N/A

Timeline of Invasive Terrestrial Plant Species Removal Techniques

Scientific name (common name)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<i>Arundo donax</i> (giant reed)								Mechanical removal	Herbicide			
<i>Foeniculum vulgare</i> (fennel)			Herbicide									
<i>Centaurea solstitialis</i> (yellow star-thistle)				Mechanical removal followed immediately by herbicide								
<i>Sesbania punicea</i> (red sesbania)				Mechanical removal followed immediately by herbicide								
<i>Rubus armeniacus</i> (Himalayan blackberry)			Mechanical removal followed immediately by herbicide									
<i>Cortaderia selloana</i> (pampas grass)									Mechanical removal followed immediately by herbicide			
<i>Lepidium latifolium</i> (perennial pepperweed)				Herbicide								

Source: (WWR and SWS 2013)