

The following list represents the results of my review of published research and literature. I'm sharing it with the intention of encouraging others to consider using these species when planting in or near **residential areas, rail corridors, utility corridors, agricultural fields** (current and historical), and **orchards**. Note that not all of the species listed here are ideal for home gardens and landscaping projects where a clean, manicured aesthetic is desired. Please cross-reference the species contained on this list with Lissa's List of Well Behaved Natives before planting them in a location where a "well behaved" plant species is more desirable.

NATIVE SPECIES FOR PHYTOREMEDIATION OF PESTICIDES					
Common Name	Scientific Name	Vegetation Type	Sunlight requirements	Soil moisture requirements	Pesticide Targeted
Big bluestem	<i>Andropogon gerardii</i>	Grass	Full sun	Dry to medium	Atrazine, Chlorpyrifos, Chlorothalonil, Pendimethalin, Propiconazole
River Birch	<i>Betula nigra</i>	Tree	Full sun to part shade	Medium to wet	Bentazon
Coontail	<i>Ceratophyllum demersum</i>	Aquatic	Full sun to full shade	Inundated	Metolachlor
Pondweed	<i>Elodea canadensis</i>	Aquatic	Full sun	Inundated	Atrazine, Copper sulfate, Dimethomorph, Flazasulfron
Common rush	<i>Juncus effusus</i>	Rush	Full sun	Wet	Anthracene
Common Duckweed	<i>Lemna minor</i>	Aquatic	Full sun to part shade	Inundated	Demeton-8-methyl, Copper sulfate, Dimethomorph, Flazasulfron, Glyphosate Isoproturon, Malathion, Metolachlor
Red mulberry	<i>Morus rubra</i>	Tree	Full sun to part shade	Medium	Anthracene

Switchgrass	<i>Panicum virgatum</i>	Grass	Full sun to part shade	Medium to wet	Atrazine, Pendimethalin
Eastern Cottonwood	<i>Populus deltoides</i>	Tree	Full sun	Medium to wet	Alachlor, Atrazine, Chlorpyrifos, Dinoseb, Dioxane, Metolachlor, Metribuzin
Black Willow	<i>Salix nigra</i>	Tree	Full sun to part shade	Medium to wet	Bentazone
Indiangrass	<i>Sorghastrum nutans</i>	Grass	Full sun	Dry to medium	Altrazine, Pendimethalin
Eastern Gamagrass	<i>Tripsacum dactyloides</i>	Grass	Full sun to part shade	Medium	Anthracene, Chlorpyrifos, Chlorothalonil, Pendimethalin, Propiconazole
Southern Cattail	<i>Typha domingensis</i>	Grass	Full sun	Wet	Atrazine
Broadleaf Cattail	<i>Typha latifolia</i>	Grass	Full sun to part shade	Wet	Atrazine