

































## What is Interfering Vegetation?

any plant species that complicates restoration or management of firedependent systems

 non-native invasive plants
competitive native plants



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## Invasive's and Competitive Natives

## Woody

- BuckthornsOlives
- OlivesMultiflora Rose
- Honeysuckles
- Tree-of-heaven
- Black Locust
- Barberrys
- Privets
- Mesophytes
- Maples
- Red cedar
- Hazelnut

- <u>Herbaceous</u> • Garlic Mustard • Bouncing Bet
- Bouncing Be
- Myrtle Dame's Rocket
- Spotted Knapweed
- St. Johnswort
- Phragmites
- Hybrid Cattails
- Reed canary grass
- Bracken fern
- Pennsylvania sedge
- Dominant prairie grasses









































The timing of the fire determines which species will be positively or negatively impacted (native plants)							
	April-May	June-Aug	Sept	Oct-Nov			
Grasses and sedges							
Warm season	<b>1</b>	₽	$\Leftrightarrow$	<b>1</b>			
Cool season	₽	1	<b>1</b>	<b>↓</b> ?			
Forbs							
Early-flowering forbs	₽	ſ	ſ	<b>↓</b> ?			
Mid-flowering forbs	₽	€	ᠿ	<b>1</b> ?			
Late-flowering forbs	1	₽	₽	<b>1</b> ?			
Legumes (Fabaceae)	1	ſ	ſ	ſ			
Population Inc Note: it is better to use yearly Phenolo	rease 1 gy, but illustrated abo	Decrease U	~Same 🦛	➡ for N. Midwest			



	March April	May	June Aug	Sent	Oct Nov
knonwood			June-Aug	Sept	
Kilapweeu		· · · · · · · · · · · · · · · · · · ·			
sweet clovers					
garlic mustard	$\Leftrightarrow$	Ļ			
St. Johnswort	1	ţ	Ļ	ĴĴ	1
bouncing bet	1	1	$\Leftrightarrow$	$\rightleftharpoons$	1
buckthorn	1	$\Leftrightarrow$	I	Ţ	1
autumn olive	$\Leftrightarrow$	↓ ↓	T	↓	$\Leftrightarrow$
honeysuckles	1	↓	Ļ	ţ	1
bracken fern	1	$\Leftrightarrow$	↓ ↓	ţ	1
red maple	1	↓	<b>↓</b>	1	1
Penn sedge	1	$\Leftrightarrow$	Ļ	$\Leftrightarrow$	1

















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- dense veg matt alters fuel load & inhibits other species
- fire in growing season reduces; fire in dormant season increases











































