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ID # 18-3

Evaluation of Japanese barberry (*Berberis thunbergii*) control with Method

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How We Sprayed	
Application Timing	Prior to leaf drop; minor leaf senescence present
Date	September 12th, 2018
Spray Equipment	CO2 pressurized backpack sprayer (50 GPA)

Herbicide Treatments		
Treatment	**Active Ingredient**	**Rate**
Untreated Control	-	-
Method 240 SL	aminocyclopyrachlor	0.25% volume/volume (v/v)
Method 240 SL	aminocyclopyrachlor	0.375% v/v
Method 240 SL	aminocyclopyrachlor	0.5% v/v
Milestone	aminopyralid	0.33% v/v
Arsenal	imazapyr	3% v/v
Garlon 4	triclopyr	1% v/v
Escort	metsulfuron	1.5 ounces dry weight per 100 gallons (oz wt/100 gal)
Roundup Powermax	glyphosate	1.5% v/v

Research site: individual plant treatment of Japanese barberry shrubs in a mixed hardwood forest understory

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Key Takeaways:

- Method rates of 0.375% v/v and higher controlled Japanese barberry for 2 years without resprouts occurring
- Method's control was comparable to Milestone, Arsenal, Escort, and Roundup PowerMax