

Can Method (aminocyclopyrachlor) control buckthorn (*Rhamnus cathartica*) as effectively as recommended standards?

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How We Sprayed

Application Timing	Buckthorn fully leafed out and actively growing
Date	August 27 th , 2019
Spray Equipment	Tolco 942 hand-pumped sprayer calibrated to apply 30GPA

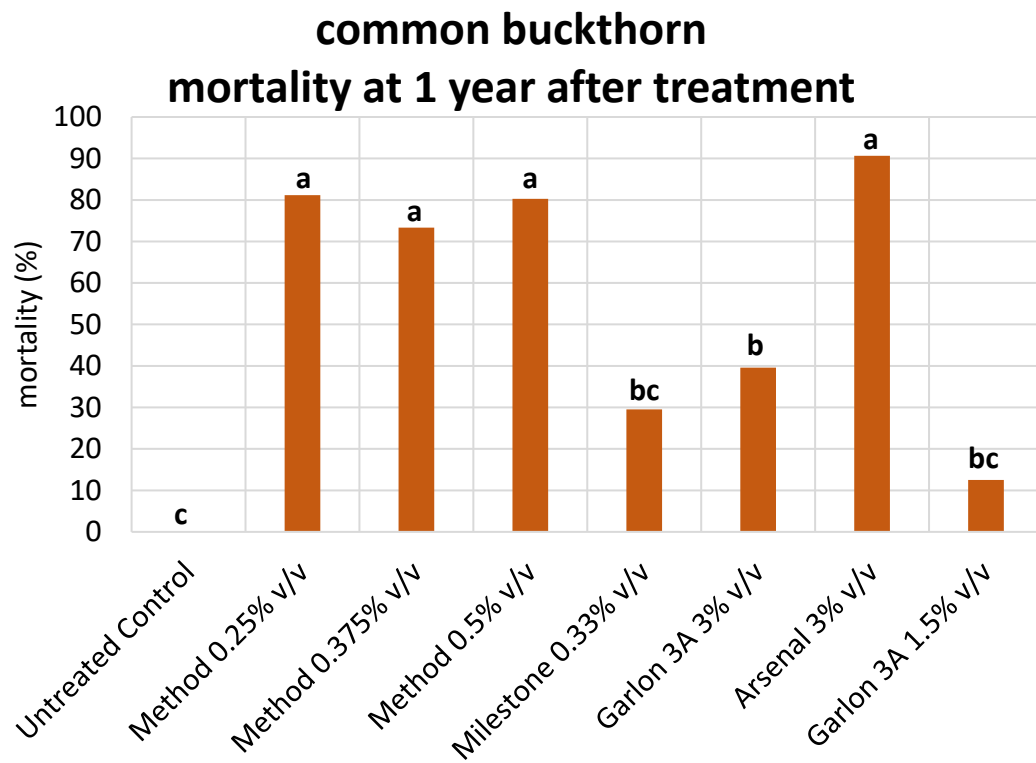
Herbicide Treatments

Treatment	Active Ingredient	Rate
Untreated Control	-	-
Method 240SL	aminocyclopyrachlor	0.25% volume/volume (v/v)
Method 240SL	aminocyclopyrachlor	0.375% v/v
Method 240SL	aminocyclopyrachlor	0.5% v/v
Milestone	aminopyralid	0.33% v/v
Garlon 3A	triclopyr	3% v/v
Arsenal	imazapyr	3% v/v
Garlon 3A	triclopyr	1.5% v/v

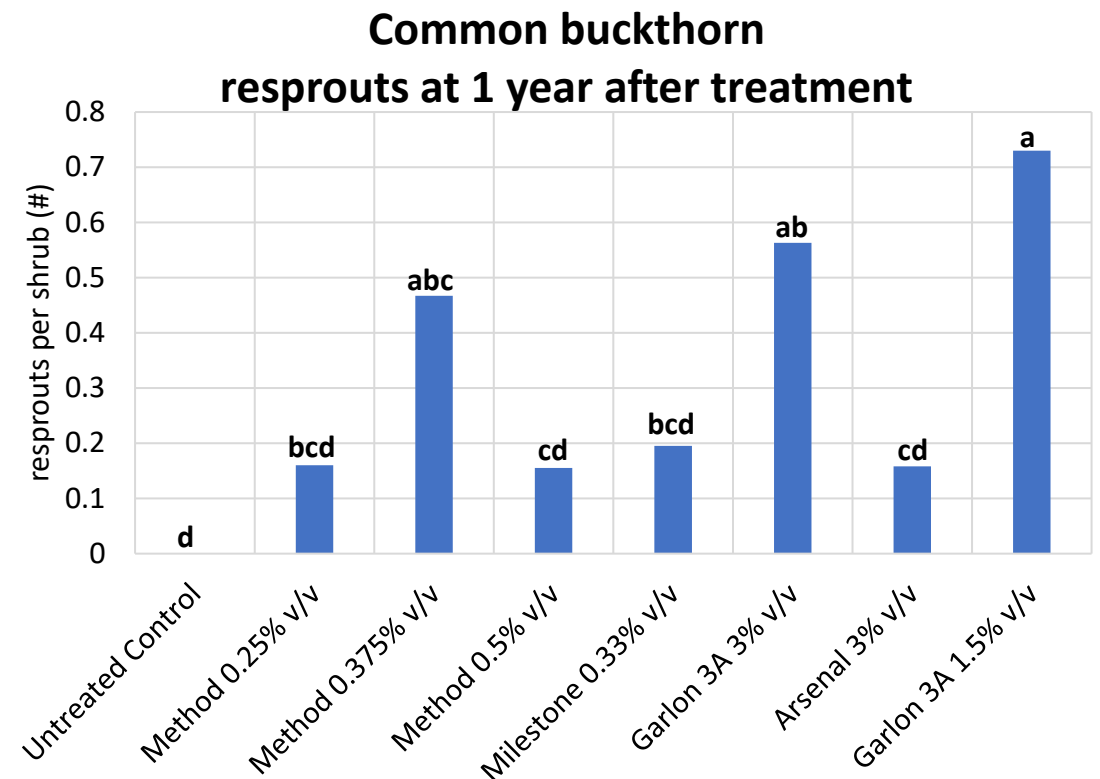
Research site:

Common buckthorn infestation
in a mixed hardwood overstory





Bars indicated with the same letter do not significantly differ (LSD, P=0.05)



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Key Takeaways:

- Method at 0.375% v/v and up provides high buckthorn mortality, resulting in few resprouts
 - Method efficacy is comparable to Arsenal, superior to Garlon 3A and Milestone
- Repeat treatments over multiple growing seasons necessary to fully control buckthorn basal resprouts