

Can Milestone, DuraCor, or Elevore control common buckthorn (*Rhamnus cathartica*)?

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How We Sprayed

Application Timing	common buckthorn shrubs leafed out and actively growing
Date	June 25 th , 2020
Spray Equipment	1 CO ₂ pressurized TeeJet flat fan 8002E nozzle (50 GPA)

Herbicide Treatments

Treatment	Active Ingredient	Rate
1. Milestone	aminopyralid	0.25% volume/volume (v/v)
2. DuraCor	aminopyralid + florypyrauxifen	0.71% v/v
3. Milestone Elevore	aminopyralid halauxifen	0.25% v/v 0.0625% v/v
4. Vastlan	triclopyr choline salt	0.75% v/v
5. Remedy Ultra	triclopyr-butotyl	0.75% v/v
6. DuraCor Vastlan	aminopyralid + florypyrauxifen triclopyr choline salt	0.71% v/v 0.75% v/v
7. DuraCor Remedy Ultra	aminopyralid + florypyrauxifen triclopyr-butotyl	0.71% v/v 0.75% v/v
8. Milestone Elevore Vastlan	aminopyralid halauxifen triclopyr choline salt	0.25% v/v 0.0625% v/v 0.75% v/v
9. Milestone Elevore Remedy Ultra	aminopyralid halauxifen triclopyr-butotyl	0.25% v/v 0.0625% v/v 0.75% v/v
10. GF-3635	fluroxypyr + halauxifen + triclopyr-butotyl	1% v/v

**Research site: individual plant treatment of
common buckthorn shrubs
in a mixed hardwood forest with a dense
buckthorn-honeysuckle understory**



Key Takeaways:

- All treatments resulted in high leaf drop levels by end of growing season
- 2021 evaluations will determine long-term common buckthorn control

Results at 92 days after treatment		
Treatment	Rate	Common buckthorn leaf drop (%)
1. Milestone	0.25% v/v	100 -
2. DuraCor	0.71% v/v	100 -
3. Milestone Elevore	0.25% v/v 0.0625% v/v	100 -
4. Vastlan	0.75% v/v	82 -
5. Remedy Ultra	0.75% v/v	95 -
6. DuraCor Vastlan	0.71% v/v 0.75% v/v	100 -
7. DuraCor Remedy Ultra	0.71% v/v 0.75% v/v	86 -
8. Milestone Elevore Vastlan	0.25% v/v 0.0625% v/v 0.75% v/v	100 -
9. Milestone Elevore Remedy Ultra	0.25% v/v 0.0625% v/v 0.75% v/v	100 -
10. GF-3635	1% v/v	100 -
Statistics		
Treatment Prob(F)		0.2765
Note: Means followed by same letter do not significantly differ (P=.05, LSD).		