

# Can TerraVue (aminopyralid + florpypyrauxifen) control autumn olive (*Eleagnus umbellata*)?

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### How We Sprayed

|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Application Timing</b> | autumn olive shrubs leafed out and actively growing                 |
| <b>Date</b>               | July 2 <sup>nd</sup> , 2020                                         |
| <b>Spray Equipment</b>    | 1 CO <sub>2</sub> pressurized TeeJet flat fan 8002E nozzle (50 GPA) |

### Herbicide Treatments

| Treatment    | Active Ingredient              | Rate                                   |
|--------------|--------------------------------|----------------------------------------|
| 1. Milestone | aminopyralid                   | 0.25% volume/volume (v/v)              |
| 2. TerraVue  | aminopyralid + florypyrauxifen | 0.114 ounces weight/gallon (oz wt/gal) |
| 3. TerraVue  | aminopyralid + florypyrauxifen | 0.228 oz wt/gal                        |
| 4. Vastlan   | triclopyr                      | 0.75% v/v                              |
| 5. Milestone | aminopyralid                   | 0.25% v/v                              |
| Vastlan      | triclopyr                      | 0.75% v/v                              |
| 6. TerraVue  | aminopyralid + florypyrauxifen | 0.114 oz wt/gal                        |
| Vastlan      | triclopyr                      | 0.75% v/v                              |
| 7. TerraVue  | aminopyralid + florypyrauxifen | 0.228 oz wt/gal                        |
| Vastlan      | triclopyr                      | 0.75% v/v                              |
| 8. TerraVue  | aminopyralid + florypyrauxifen | 0.114 oz wt/gal                        |
| Vastlan      | triclopyr                      | 2% v/v                                 |

### Research site: individual plant treatment of autumn olive shrubs in an unmanaged grassland





## Key Takeaways:

- All treatments caused substantial leaf drop (78-98%)
- 2021 evaluations will evaluate long-term shrub control

### Results at 83 days after treatment

| Treatment               | Rate                         | autumn olive leaf drop (%) |
|-------------------------|------------------------------|----------------------------|
| 1. Milestone            | 0.25% v/v                    | 78 -                       |
| 2. TerraVue             | 0.114 oz wt/gal              | 86 -                       |
| 3. TerraVue             | 0.228 oz wt/gal              | 90 -                       |
| 4. Vastlan              | 0.75% v/v                    | 88 -                       |
| 5. Milestone<br>Vastlan | 0.25% v/v<br>0.75% v/v       | 95 -                       |
| 6. TerraVue<br>Vastlan  | 0.114 oz wt/gal<br>0.75% v/v | 96 -                       |
| 7. TerraVue<br>Vastlan  | 0.228 oz wt/gal<br>0.75% v/v | 96 -                       |
| 8. TerraVue<br>Vastlan  | 0.114 oz wt/gal<br>2% v/v    | 98 -                       |

### Statistics

|                   |        |
|-------------------|--------|
| Treatment Prob(F) | 0.5551 |
|-------------------|--------|

Note: Means followed by same letter do not significantly differ (P=.05, LSD).



**TerraVue 0.228 oz wt/gal  
at 83 days after treatment:  
Note high amount of leaf drop**