

## Common Greenbrier Control



Common Greenbrier (*Smilax rotundifolia*) is a perennial vine with waxy coated leaves and prickles along the stem. It is found in woodlands, fencerows and fields throughout Arkansas. There are several species of *Smilax* in Arkansas, but common greenbrier was the species in our weed control demonstrations.

We receive a lot of questions on controlling greenbrier, and demonstrations have shown it can be a challenge to control. In 2020 Zach Gardner and I conducted a greenbrier demonstration in a Perry County field. The field is infrequently mowed, lightly grazed, and had a uniform stand of greenbrier. The treatments were applied on May 19, 2020. Late April is ideal time to treat for greenbrier control.

<b>Treatment</b>	<b>rate per acre</b>	<b>% controlled</b>	
		<b>44 days</b>	<b>106 days</b>
Pastureguard	1.5 qt	60	70
Weedmaster	1.5 qt	80	70
Grazon P+D	1.5 qt	0	20
GrazonNext	1.5 qt	70	70
Surmount	1.5 qt	20	20
Remedy	1.5 qt	90	80

*½% nonionic surfactant was added to all treatments. All treatments were applied with a boom sprayer at 15 gallons per acre.*

These results are typical of what we have seen in several demos over the last 5 years. Weedmaster is the cheapest option and is usually effective. Grazon P+D is very ineffective for greenbrier control. In all greenbrier demonstrations, Remedy has been the most effective treatment.

Fence rows – We receive a lot of calls on controlling greenbrier in fence rows. Most of these infestations will be sprayed with a hand held spray wand. The approximate mix rate for hand wands is a 2.25 % solution (9 quarts per 100 gallons) plus ½ gallon of nonionic surfactant.

**Conclusion:** Greenbrier is difficult to control and we rarely get 90—100% control. Treating in late April when the leaves are more succulent will result in increased control. Remedy is recommended for control.



Greenbrier infestation on May 19, 2020



Remedy 1.5 quart per acre, September 4, 106 days after treatment.