HARDWOOD NURSERY WEED CONTROL: AN OPEN DISCUSSION

SFNMC 2022 CONTACT MEETING JULY 18, 2022

Forest

1

UPDATE

- Any new products for weed control in bareroot hardwood nurseries?
- NO

2

SFNMC RESEARCH

- Most recent (2020) herbicide tested in hardwood was flumioxazin
- Applied 10 oz/ac of 51% flumioxazin at sowing on 13 species



Species	Control (0 oz/ac)	Treated (10 oz/ac)	
Baldcypress	0.0	0.0	bed washed out
Catalpa	8.2	5.4	
Chickasaw plum	3.1	2.9	
Crabapple	5.0	0.6	germ too low
Crepe myrtle	13.2	0.0	germ too low
Dogwood	14.8	1.2	germ too low
Northern red oak	3.6	3.8	
Persimmon	3.6	3.2	
Redbud	11.4	1.6	germ too low
Sawtooth oak	5.8	6.8	
Swamp chestnut oak	4.8	4.4 🗸	
White oak	2.0	1.4	bed washed out
Yellow poplar	0.6	0.3	bed washed out

1



Management Implications

Use of flumioxazin at sowing may be a weed control option on catalpa, Chickasaw plum, northern red oak, persimmon, sawtooth oak, and swamp chestnut oak

* Always test any new herbicide in a small trial plot prior to operational use

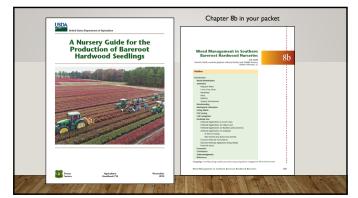
5

SFNMC RESEARCH SINCE 1995

 Of 173 total trials and reports reviewed, only 6% studied hardwood weed control

RR No.	Herbicides	No. of species	Timing	Results
96-01*	9 herbicides	6 species	at sowing	*greenhouse study
99-08	oxyfluorfen	5 species	at sowing	no negative effects
TN 04-01*	7 herbicides			*a Summary Report
05-02	flumioxazin, dimethenamid	2 species	7 months post-sow	no negative effects
06-02*	halosulfuron	2 species	6 weeks post-sow	*directed spray
12-03	pendimethalin	4 species	at sowing to 22 weeks post-sow	negative effects on sycamore only
13-03	pendimethalin	7 species	at sowing	negative effects on silver maple and sweetgum only
13-05	pendimethalin, sulfentrazone, flumioxazin	6 species	3 to 10 weeks post-sow	negative effects on plum only
14-05	imazamox	4 species	3 to 6 months post-sow	negative effects on plum and white oak
16-03	pendimethalin	I species	6 weeks post-sow	no negative effects
16-04*	indaziflam	I species	at sowing to 26 weeks post-sow	*directed spray

7



8

THE FLOOR IS YOURS!

- Any new products you have tested or heard about?
- Any new methods of applying older products?

SFNMC	STAFF	IS OPEN	FOR	TESTI	NG

• Contact Nina at:

nina.payne@auburn.edu 334-844-4917

 Proposals for trials of new products, methods, etc. are made at the SFNMC Advisory Meeting in November each year