

HARDWOOD NURSERY WEED CONTROL: AN OPEN DISCUSSION

SFNCM 2022 CONTACT MEETING
JULY 18, 2022



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UPDATE

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

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SFNCM RESEARCH

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



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Germination density per square foot at 8- or 12-weeks post-sowing on 13 species treated with flumioxazin at sowing (RR 21-02)

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

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Southern Forest
Nursery Management Cooperative

RESEARCH REPORT 21-02
TOLERANCE OF 13 HARDWOOD SPECIES TO PRE-SOWING APPLICATIONS OF FLUMIOXAZIN

- **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**

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SFNCM RESEARCH SINCE 1995

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

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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	1 species	6 weeks post-sow	no negative effects
16-04 *	indaziflam	1 species	at sowing to 26 weeks post-sow	*directed spray

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THE FLOOR IS YOURS!

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

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SFPMC STAFF IS OPEN FOR TESTING

- Contact Nina at:
nina.payne@auburn.edu
334-844-4917
- Proposals for trials of new products, methods, etc. are made at the SFPMC Advisory Meeting in November each year
