NEMATICIDE TRIAL 2021 INSTALLATION SFNMC 2022 CONTACT MEETING JULY 18, 2022 Nina Dowling Payne

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Second SFNMC non-fumigant nematicide trial (purpose is to extend fumigation, not replace) One fungicide aka nematicide: Broadform™ fluopyram 21.4% + trifloxystrobin 24.4% same nursery as 2020 trial − ArborGen Bullard TX nursery maximum allowable application per acre per year: 27.1 oz. applied in nematode hot spot in field last fumigated in 2019 2 treatments: 0 sprays - control 3 sprays - 8 oz/ac at sowing + 11 oz/ac 21 DAT + 8 oz/ac 21 DAT

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Coop staff:	took soil samples for processing to AU nematode lab
	measured seedlings at end of season and analyzed results

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Treatment June 2021 Dec 2021 Shoot height (cm)¹ Root collar Shoot dry weight (g) weight (g) weight (g) weight (g) weight (g) Shoot applications 3 applications Broadform™ 3 applications 26.0 ± 0.67 27.9 ± 0.80 22.4 ± 0.53 5.09 ± 0.07 3.58 ± 0.11 0.96 ± 0.09 Broadform™ P>f 0.528 0.328 0.018 0.014 0.166 0.629 1 Bold means within a seedling characteristic indicate significant treatment difference from that of the nontreased control at that rate according to Dunnent's T-test at alpha = 0.05.

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2021 Nematode populations in control plots and Broadform™-treated plots

	Soil Sampling Date	CONTROL mean number of nematodes per plot	TREATMENT mean number of nematodes per plot
	5/12/2021	38.4	47.8
Ī	6/2/2021	26.2	30.2
	6/21/2021	10.0	12.2
	8/3/2021	10.4	29.3
	9/22/2021	16.2	21.3
	Mean	20.2	28.2

*Nematode pressure was not high enough in 2021 to adequately test the product's efficacy on nematode control

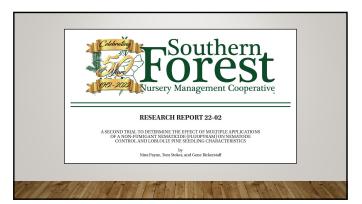
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2022 NEMATICIDE TRIAL

- Third trial installed at IFCO Jesup, GA Nursery in loblolly and slash pine
- 2 treatments
- 0 sprays control
- 3 sprays 9 oz/ac 14 days after sow + 9 oz/ac 14 DAT + 9 oz/ac 14 DAT
- As of June, post-treatment nematode counts: control plots range from 6 to 218/100 cc soil treatment plots range from 4 to 84/100 cc soil
- Soil samples will be collected and processed through August, seedling samples will be collected, measured, and analyzed at end of growing season



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