

NEMATOCIDE TRIAL UPDATE

SFNMC FY 2021 ADVISORY MEETING

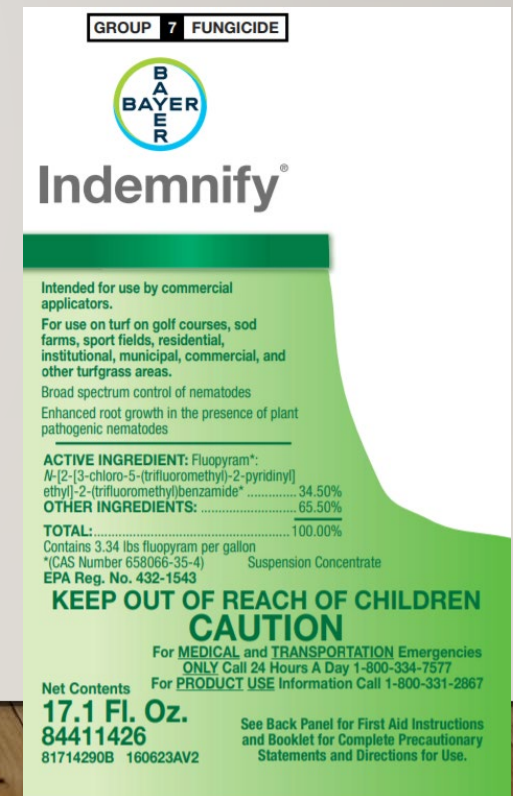
NOVEMBER 5, 2020

NEMATICIDE TRIAL UPDATE 2020

- Purpose of the trial is to test product(s) that are **applied by nursery staff** for nematode control
- To target nematode problem areas in nursery to augment fumigation

NEMATOCIDE TRIAL UPDATE 2020

- Initially considered new product Indemnify®:
 - manufactured by Bayer as a fungicide and nematocide
 - labeled for **turf** (golf courses, sports fields, etc.)
 - active ingredient is fluopyram, a contact nematocide
 - has an extremely long soil half-life of 6 months to 2 years



NEMATOCIDE TRIAL UPDATE 2020

- Chemical rep identified another Bayer product, Broadform™
 - fluopyram + trifloxystrobin
 - labeled for 'outdoor nurseries, outdoor seedbeds, and Christmas trees'
 - SFNMC tested trifloxystrobin (Compass®) in rust trial



Intended for use by commercial applicators.
For use on ornamentals and crops in residential and commercial landscapes, interiorscapes, field grown and container crops in nurseries and greenhouses, lathhouses, shadehouses, and other enclosed structures.

ACTIVE INGREDIENT:	
FLUOPYRAM*	21.40%
TRIFLOXYSTROBIN*	21.40%
OTHER INGREDIENTS	57.20%
TOTAL:	100.00%

Contains 2.10 lbs fluopyram and 2.10 lbs trifloxystrobin per gallon

*(CAS Number 658066-35-4 and 141517-21-7)

EPA Reg. No. 432-1537

Suspension Concentrate
Shake Well Before Use

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

Net Contents

12 Fl. Oz.

85758497

85761811B 181214AV2

See Back Panel for First Aid
Instructions and Booklet for
Complete Precautionary
Statements and Directions for Use.

NEMATICIDE TRIAL UPDATE 2020

- Testing product for nematode control and seedling tolerance
- 1 replicated study in loblolly pine at ArborGen Bullard, TX nursery
- Developed 3 spraying regimens based on maximum 27.1 oz/ac allowed by label

<u>Trt #</u>	<u>Desc.</u>	<u>Rate/Timing (using 27 oz total per treatments 2,3,4)</u>
1	control	no sprays - fumigated Fall 2018
2	2 sprays	13.5 oz @ sowing + 13.5 oz @ 21 days
3	3 sprays	8 oz @ sowing + 11 oz @ 21 days + 8 oz @ 21 days
4	4 sprays	6.75 oz @ sowing + 6.75 oz @ 21 days + 6.75 oz @ 21 days + 6.75 oz @ 21 days

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- Nursery staff installed entire trial, making all spray applications, seedling counts, soil samples, will collect and ship seedling samples for measurements at AU



Photos credits ArborGen, Inc.

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- Trial measurements and analyses will include:
 - Seedling germination counts
 - Nematode counts pre-plant and end of season
 - End of season seedling quality measurements
- Visual analysis of treated areas look promising; trial proposed to be continued in 2021

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