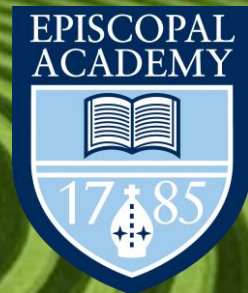
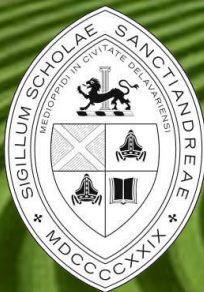


Turfgrass Paint, a Revisited Idea for Turfgrass Recovery



Turf Paint For Cool Season Varieties

Philip Braselton
St. Andrews School



Turf Paint for Winter Recovery?

What's the number one issue we are all trying to solve?

Field Wear!!!



November 17, 2022

The Challenges.

- Fall Season ends mid November possibly first week of December
- Spring sports start March 1.
- Avg temps high 37 / Low 27 Soil temp average 39

A Possible Solution.

An old idea with new potential.

- Painting or Dying our fields.

The Potential Questions.

- Can we increase recovery during harsh growing conditions?
- Is limiting the hardening off process beneficial?
- How does the turf bounce out of dormancy?

The Research

- Winter of 2021 we started a trial looking at the benefits of turf paint.
- We used two products Civitas and TS Pro Green Shield
 - First application was done December 2, 2021
 - Second Application was applied to select fields March 3, 2022
- Application rates
 - Civitas 2.5gal/acre and 5gal/acre
 - TS Pro Green Shield 4oz/1000sq ft and 8oz/1000sq ft

Fescue/Rye

12/2/21

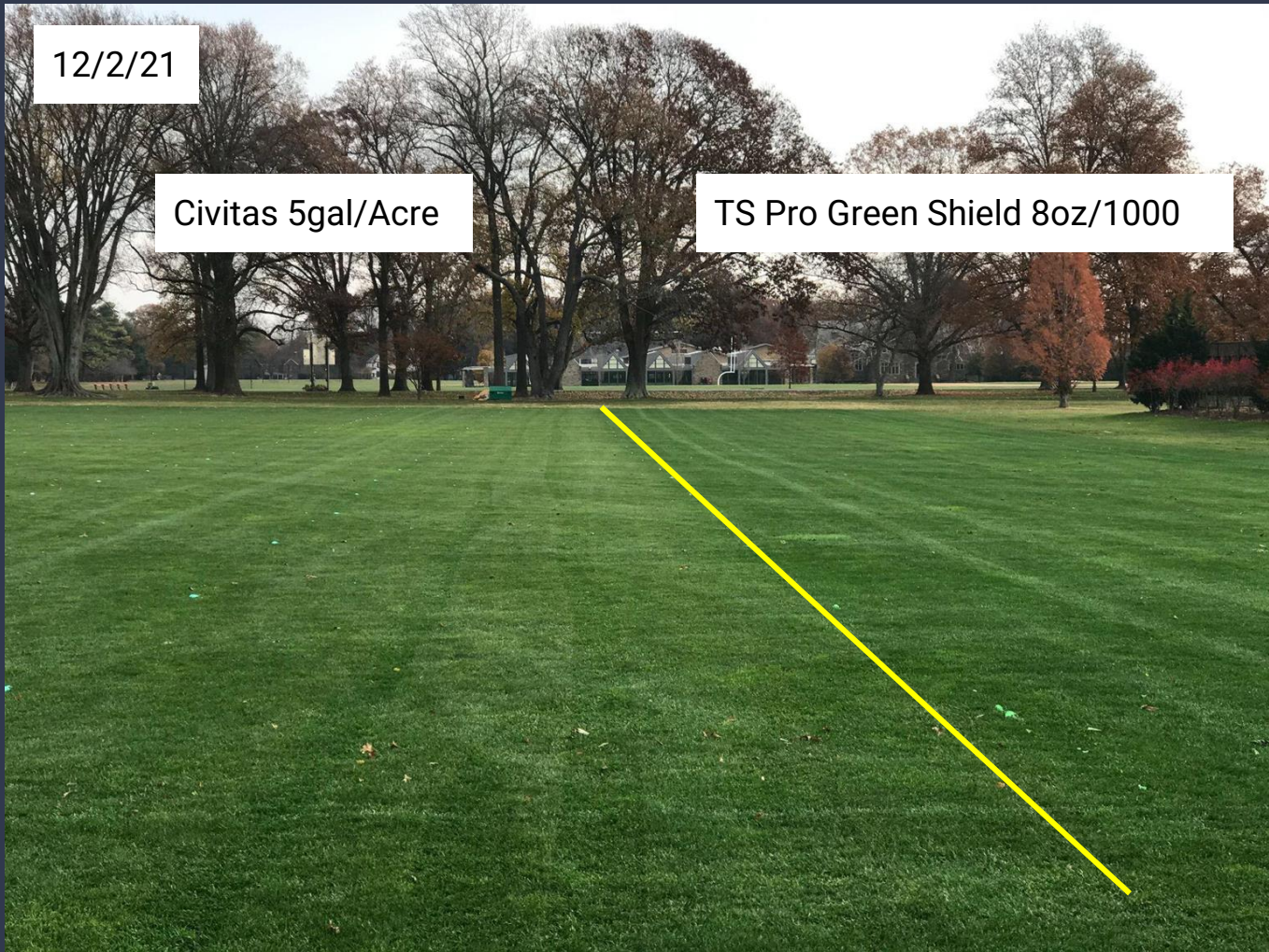
TS Pro Green Shield 8oz rate



12/2/21

Civitas 5gal/Acre

TS Pro Green Shield 8oz/1000



Nothing

12/7/21

TS Pro Green Shield 4oz/1000



Civitas 2.5g/acre

12/7/21

Green Shield 4oz/g + Civitas 2.5 g/acre

TS Pro Green Shield 4oz/1000



12/7/21

Green Shield 4oz/g + Civitas 2.5 g/acre

Civitas 2.5g/acre

TS Pro Green Shield 4oz/1000



12/7/21

Nothing



Civitas 2.5g/acre

12/9/21

Green Shield 4oz/G

Overlap

Civitas 2.5
G/A



12/17/21

TS Pro Green Shield 8oz rate



Civitas 5gal/acre

12/22/21

Civitas - dew

Green Shield – no dew



Snow Cover 1/4/22



42 days after application

1/13/22

TS Pro Green Shield 8oz rate

Civitas 5gal/Acre



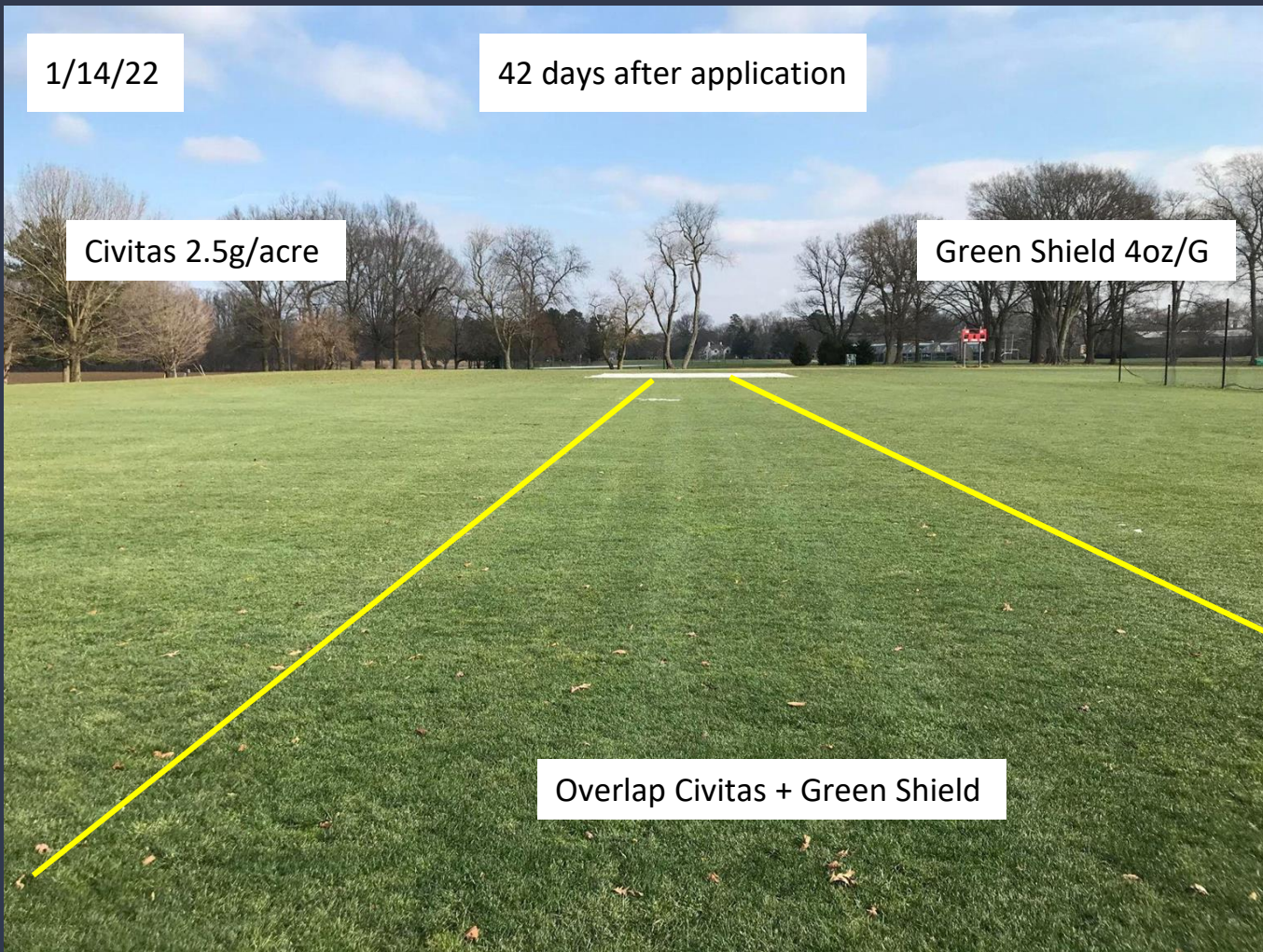
1/14/22

42 days after application

Civitas 2.5g/acre

Green Shield 4oz/G

Overlap Civitas + Green Shield

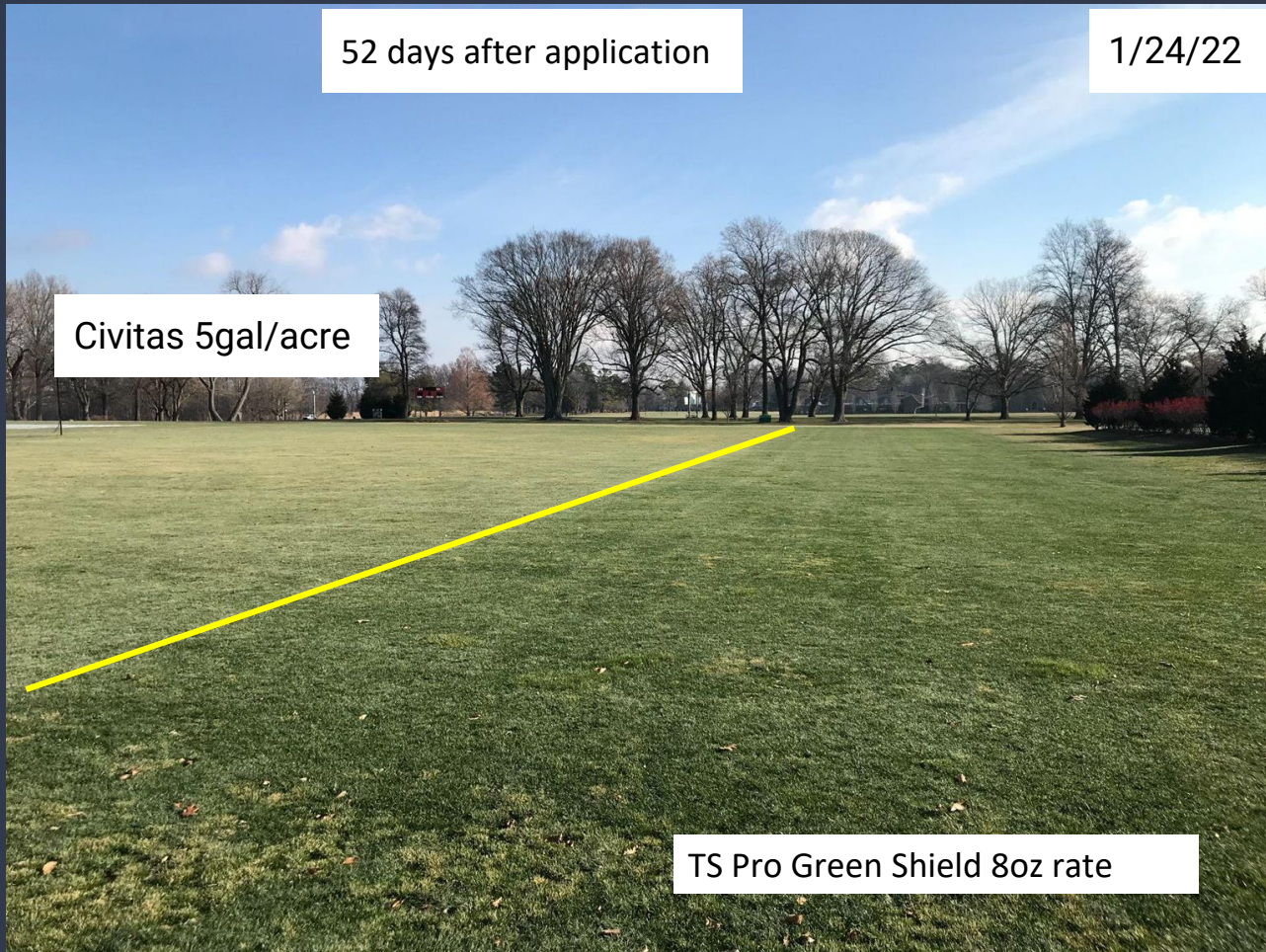


52 days after application

1/24/22

Civitas 5gal/acre

TS Pro Green Shield 8oz rate



1/24/22

52 days after application

Civitas 2.5g/A

Green Shield 4oz/G

Overlap Civitas + Green Shield



52 days after application

Green Shield 4oz/G

Civitas 5gal/Acre



69 days after application

2/8/22

TS Pro Green Shield 8oz rate

Civitas 5gal/Acre



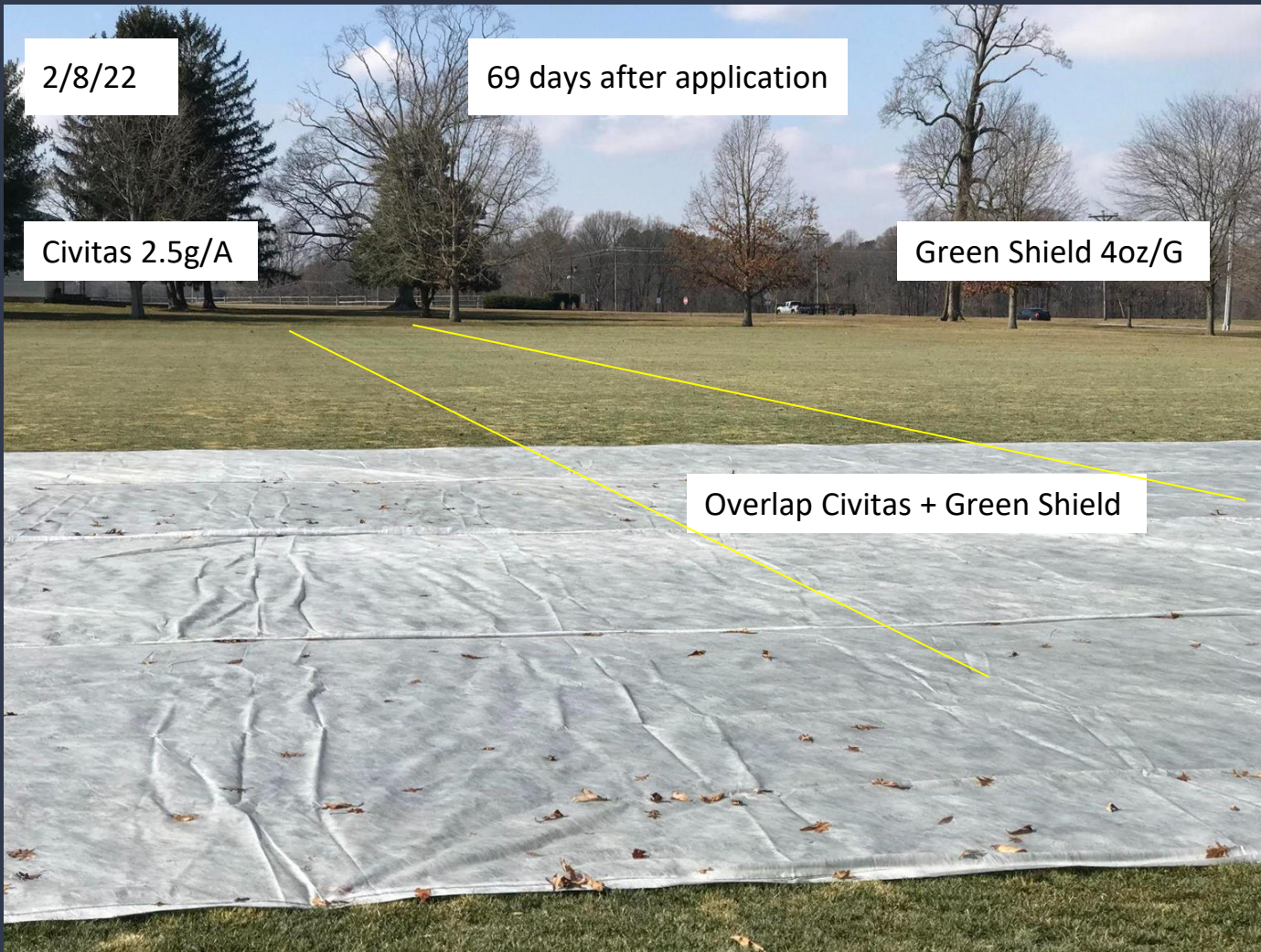
2/8/22

69 days after application

Civitas 2.5g/A

Green Shield 4oz/G

Overlap Civitas + Green Shield



90 days after application

2/25/22

Civitas 5gal/Acre

TS Pro Green Shield 8oz rate



90 days after application

2/25/22

TS Pro Green Shield 4oz rate

Civitas 5gal/Acre



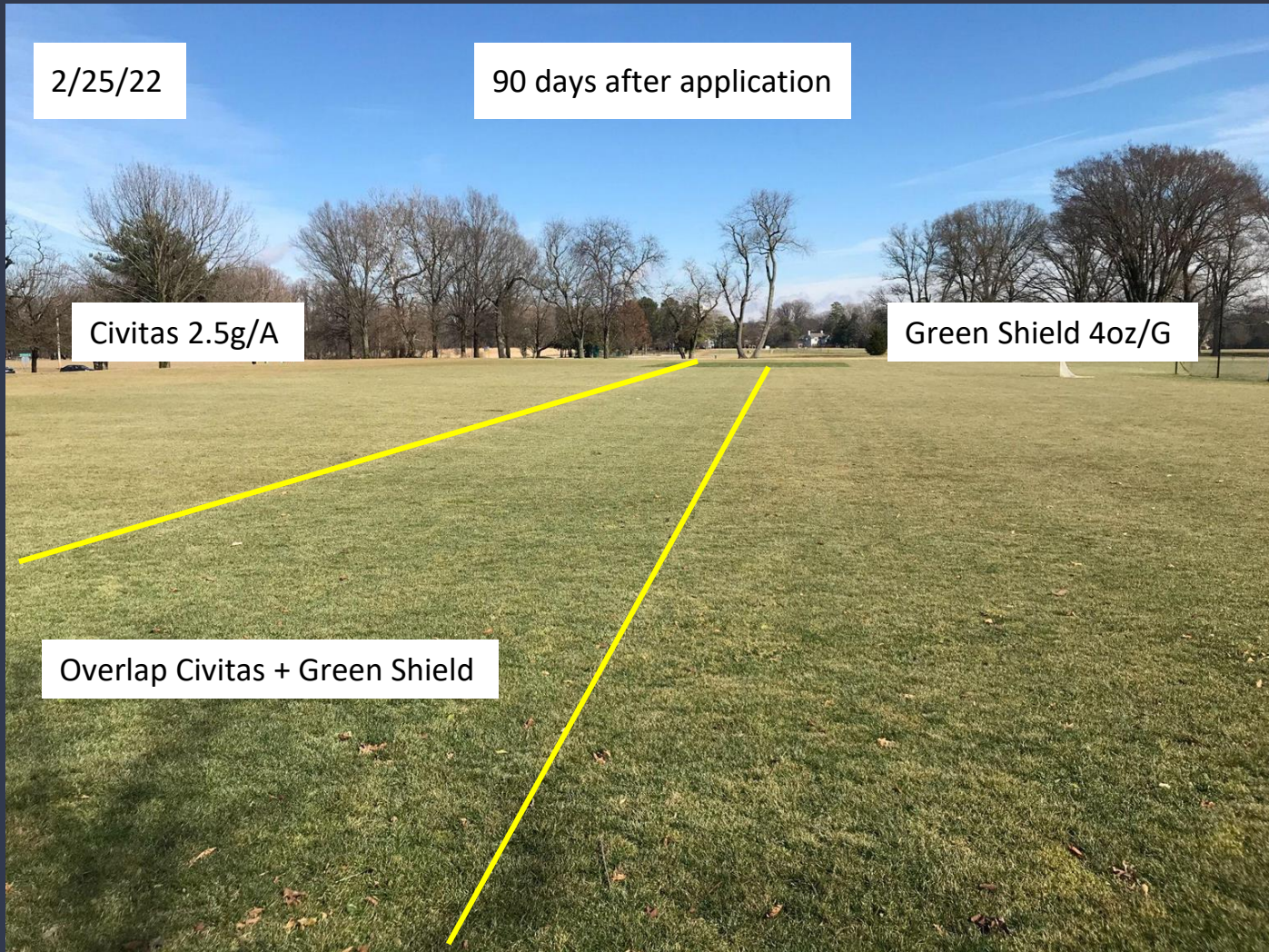
2/25/22

90 days after application

Civitas 2.5g/A

Green Shield 4oz/G

Overlap Civitas + Green Shield

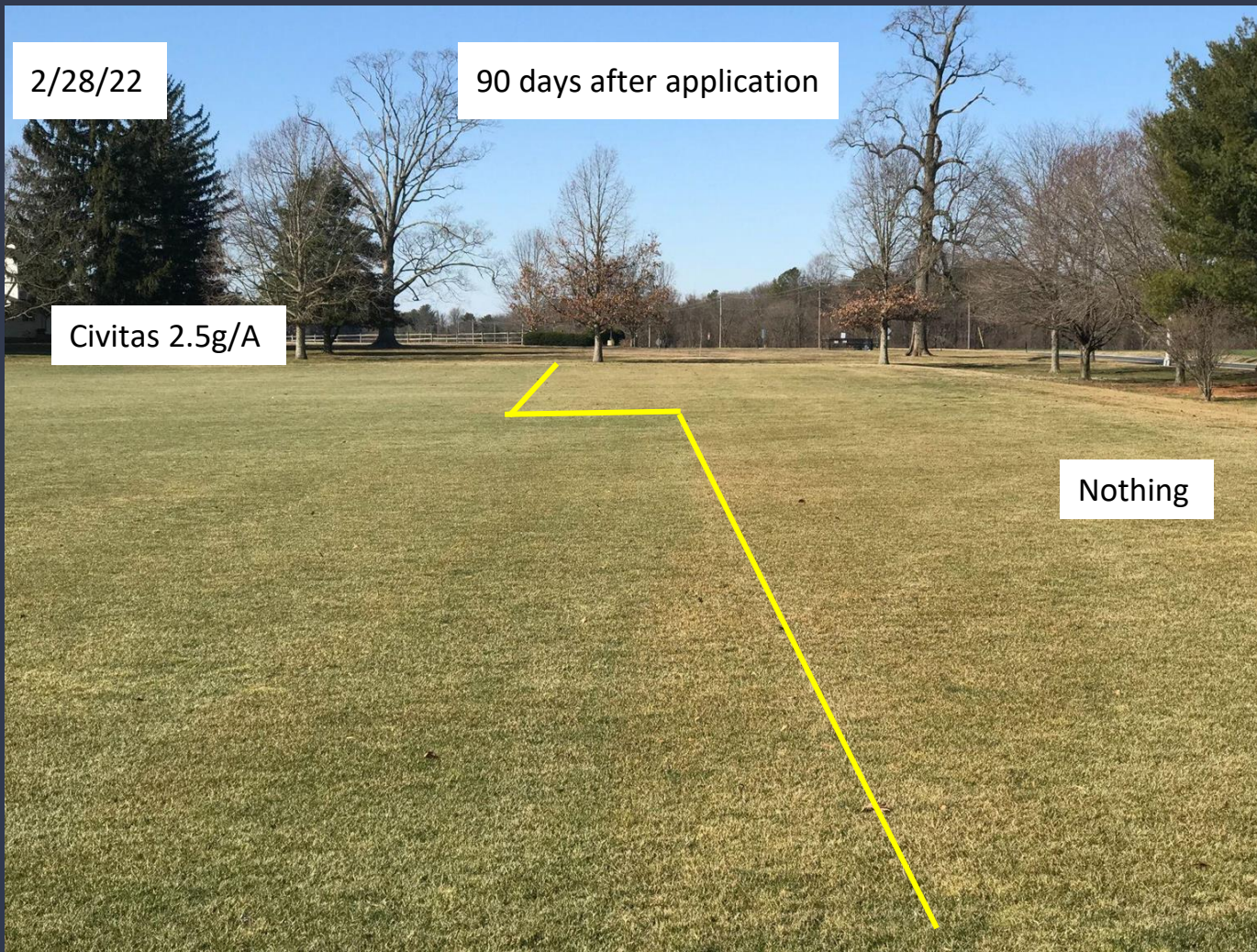


2/28/22

90 days after application

Civitas 2.5g/A

Nothing



The Turn

- March 1, 2022 we start to see some very interesting results



83 days after application

2/25/22

Civitas 2.5g/A

Overlap

Green Shield 2.5g/A



3/2/22

Spring Application Green Shield 2.5g/A, sprayed over Green Shield & Civitas
trial



3/8/22



3/11/22



3/16/22



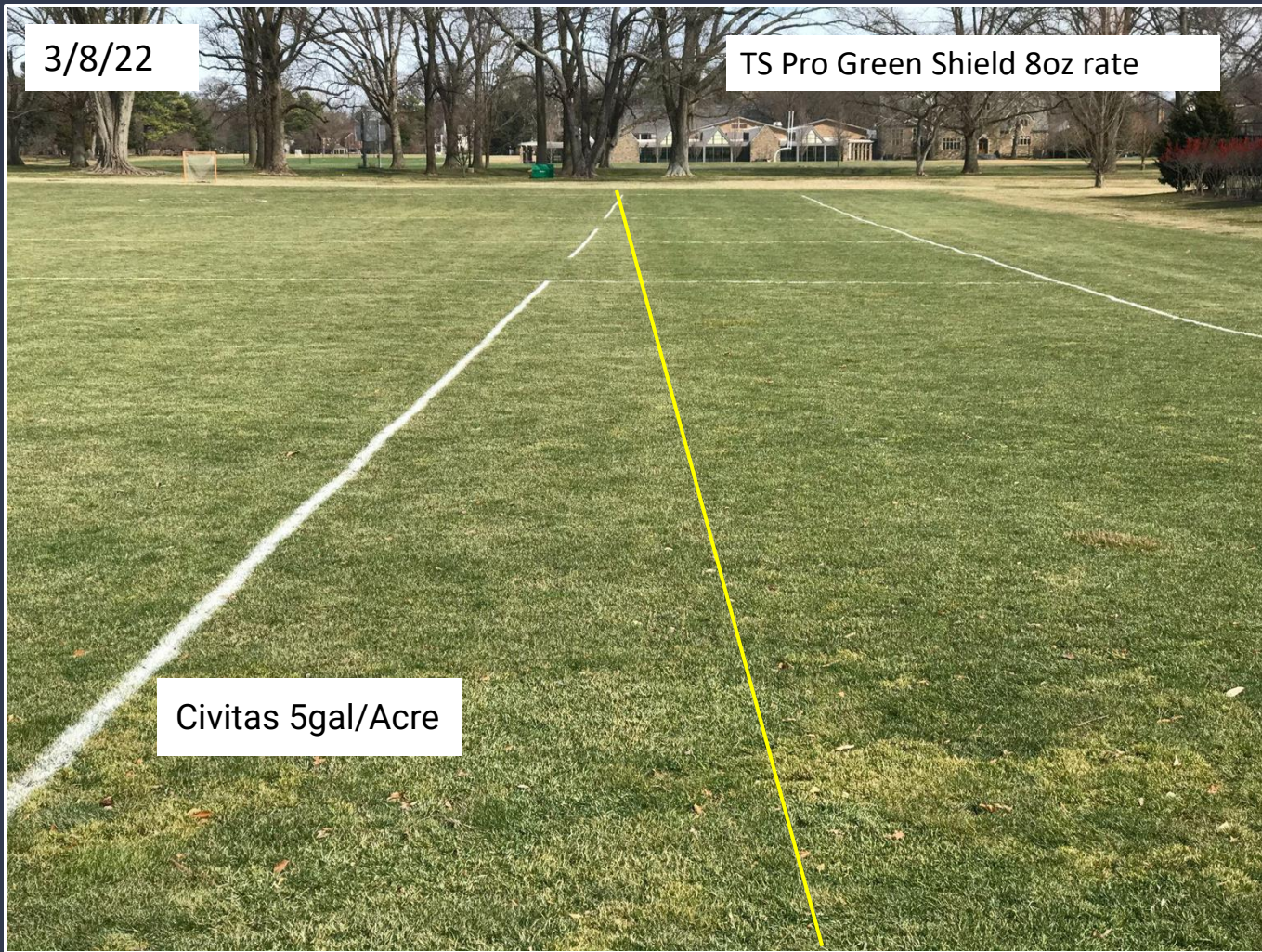
3/21/22



3/8/22

TS Pro Green Shield 8oz rate

Civitas 5gal/Acre



3/21/22

TS Pro Green Shield 8oz rate

Civitas 5gal/Acre



3/21/22

Civitas 2.5gal/Acre



The Turn Part II

- Game fields were sprayed with Civitas at 5g/100g H₂O rate on December 3, 2021
- March 2, 2022 sprayed TS Pro Green Shield at 2.5gal/100g H₂O on all game fields.



March 2, 2022 Spray with TS Pro Green Shield



3/11/22

Civitas in Dec and TS Pro Green Shield in March



3/16/22

HGT KBG, sodded 1 year ago, 1st mow of the year



Green Shield 2.5g/A , 13 days after Application

3/21/22

KBG/Rye



3/21/22

KBG/Rye

Green Shield 2.5g/A , 18 days after Application
before first mow of the year



Synopsis of Research

- Bouncing out of winter quicker
- Winter Recovery / Spring Recovery
- Spring Nitrogen Use
- Spring Green up
- Negatives?

Moving Forward

- Increased applications & additional products?
- Compost, Covers etc?
- At least do something but don't do nothing.
- Will you be a Guinea Pig?

Turf Paint For Warm Season Varieties

Matthew Kerns
The Episcopal Academy



Tahoma 31

Check 11/15/21



Just Perimeter were covers were not going to cover.

11/15/21

TS Pro Green Shield 2.5gal/100g H2o



Overseeded treated and untreated 5gal/100gal H₂O

11/15/21



Overseeded treated and untreated 5gal/100g H₂O

12/3/21



52 days after
application

1/4/22

TS Pro Green Shield 2.5gal/100g H₂O



140 days after Application

4/4/22

TS Pro Green Shield 2.5gal/100g H₂O



April 15th, 2022



April 29, 2022



May 17th 2022



August 19th 2022



October 9th 2022 Green Shield @ 5 gallons paint/2 directions single fan

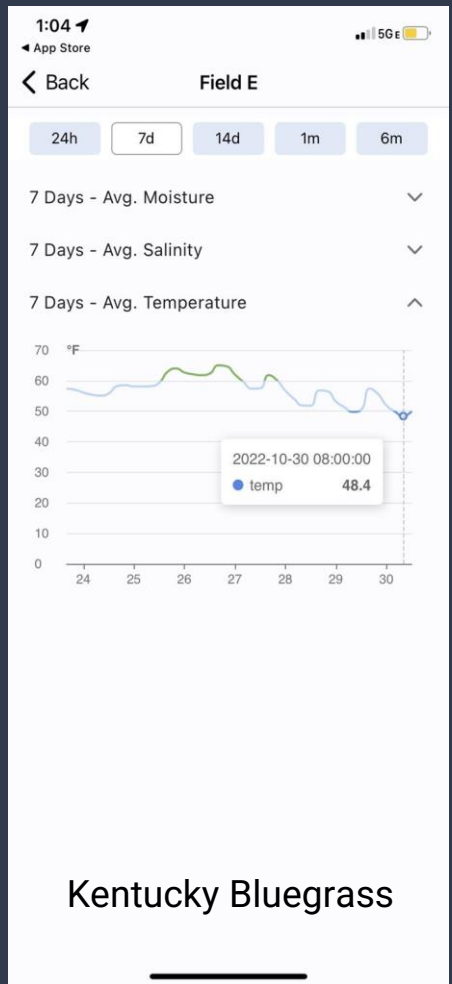
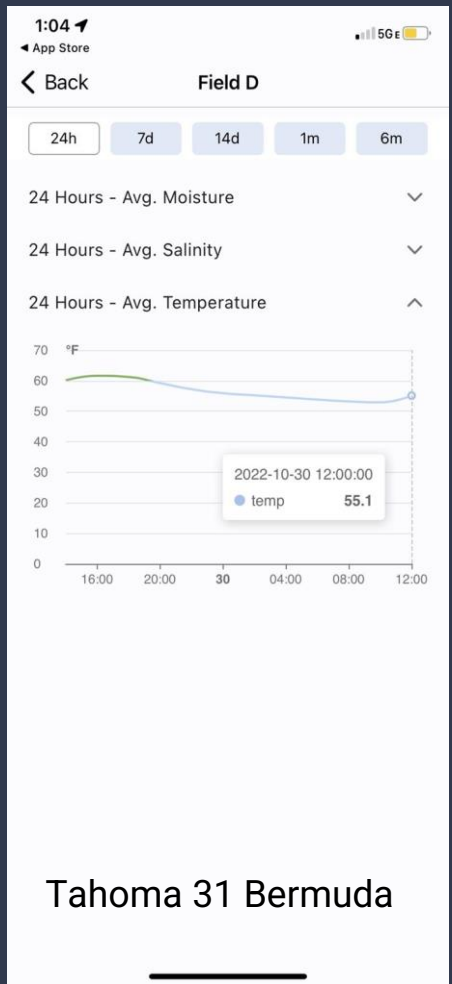
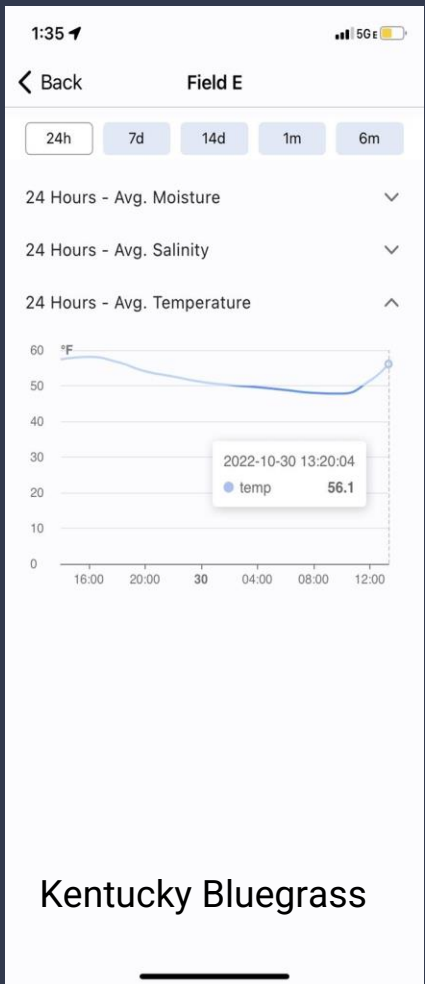




October 14, 2022 5 days after first Paint.

October 27th





Green Shield @ 5 gal paint /2 directions, df tip @ 40psi

11/7/22



Green Shield @ 5 gal paint, Dual Fan tips, 1x

11/6/22



Bluegrass field no paint

Tahoma 31 Field, overseeded rye 4lbs/1000 with Green Shield 3 apps – 20 gallons of paint in 3 apps

11/11/2
2




What worked best

- Dual Fan Nozzle
- TeeJet nozzles TTJ60-11006VP
- 40 psi
- 120 gallons water sprayed at 1.5 gal/1000
- 10 gallons split
- 240 gallons water with 10 gallon of paint did not work well too diluted.

Tahoma 31 – hoc 3/8 – Green Shield @ 8 oz/1000

12/2/22





12/2/2

2

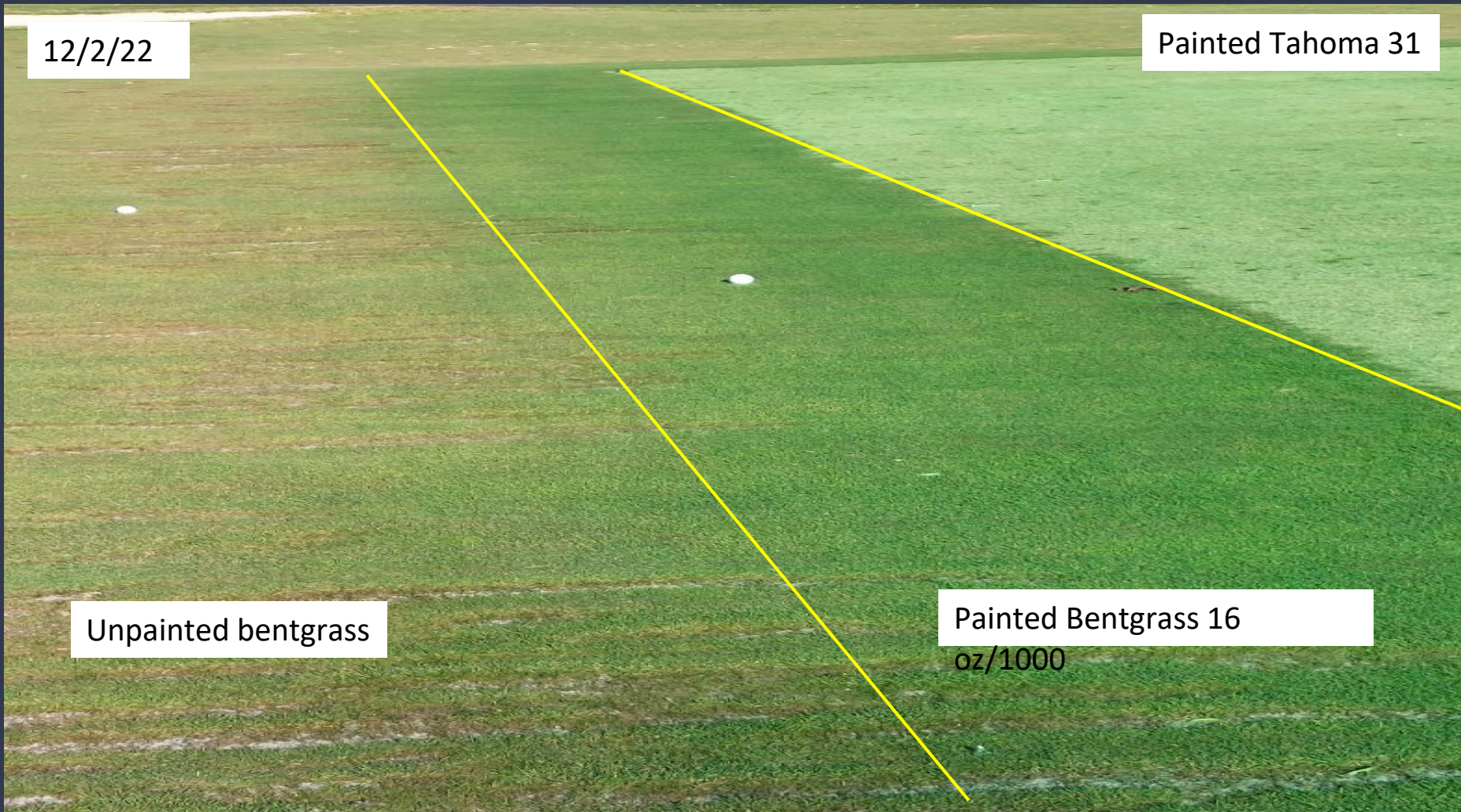
Tahoma 31- hoc 3/8" - Green Shield @ 16 oz/1000, 2 apps 8 oz/1000 2 directions

12/2/22

Painted Tahoma 31

Unpainted bentgrass

Painted Bentgrass 16
oz/1000



Turf Paint a Revisited Idea for Turfgrass Recovery

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