

Increase the Precision of Your Nitrogen Application a GCSAA webcast with Bill Kreuser, Ph.D.

Please use complete and return the quiz below if you need CECs. Upon successful completion, we will return a Certificate of Completion that you can forward. You can send this completed page to us at:

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Name: _____ **Member #:** _____

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1) Precision and accuracy as to turfgrass management are the same thing.

True False

2) Fertilizing turfgrass can help it

- a) recover from traffic.
- b) recover from environmental stress.
- c) neither.
- d) both.

3) Calibration data for phosphorus is available from past research and it is clear from the SLN when to apply more.

True False

4) The use of the turf makes no difference as to how much Nitrogen (N) is required for health.

True False

5) The Nitrogen cycle shows there are several ways N can be lost.

True False

6) In the analysis of a new sand putting, over the first ten years, about one pound of N per year from fertilization as being immobilized by soil microbes and is not available to the plant.

True False

7) In a Michigan State study, a bluegrass lawn showed no Nitrogen leaching regardless of the rate of fertilizer used.

True False

8) As turfgrass ages we can lower the N it needs for health but can't control when that timing takes place.

True False

9) Nitrogen drives

- a) growth
- b) demand for other nutrients
- c) both
- d) neither

10) Fertilizing soils with sufficient nutrients does not affect turf.

True False

11) When you think of soil as a bank account, inputs and use should balance.

True False

12) Primo decreased fertility requirements by

- a) 10%
- b) 20%
- c) 50%
- d) 80%

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13) ISNT was a good predictor of N in corn crops and that translates to turfgrass.

True False

14) Soil carbon and N uptake are related strongly in the POXC described.

True False

15) NDVI is a measure of

- a) green speed
- b) color
- c) traffic wear

16) Late spring fertilizer application has little impact on green color.

True False

17) Late fall fertilizer applications may contribute more to leaching than previously thought.

True False

18) In the Madison, Wisc. study, the late N application on the sand-based green didn't have the increase in clipping production in part due to leaching.

True False

19) Relative actual growth and growth potential in the study described were not parallel.

True False

20) Organic matter impacts the Cation Exchange Capacity.

True False