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Low Level Fertility Management With APEX-10

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BACKGROUND

The objective of this study was to determine if **APEX-10** maintains turf quality, while reducing fertilizers inputs, and the plants reaction to nutrient uptake.

All Bentgrass and Bluegrass plots were divided into four treatment rates.

- **A Plots:** Full Fertility
- **B Plots**: 25% Reduction
- **C Plots:** 50% Reduction
- **D Plots:** 66% Reduction

APEX-10 was applied to both species at the following rates.

Bentgrass 1½oz. 1,000, 14-days
Bluegrass 3 oz. 1,000, 30-days

MATERIALS

Bentgrass was treated every 2-week with a liquid 34-0-0. Bluegrass was every 4-weeks with a liquid 16-4-8.

DISCUSSION

Normalized Difference Vegetation Index (NDVI), Leaf Area Index (LAI), Turf Quality (TQ), Shoot Growth, and Clip Count results show a visible differences with both Bluegrass and Bentgrass.

CONCLUSION

There were significant differences with **APEX-10** and fertility rates being reduced by as much as 66% when compared to turf receiving fertilizer alone.

Results indicate **APEX-10** plants will not be subject turf decline and will maintain root mass in the presence of less fertility.

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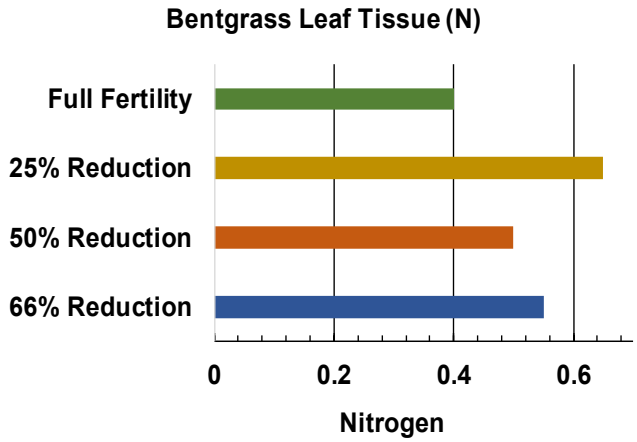

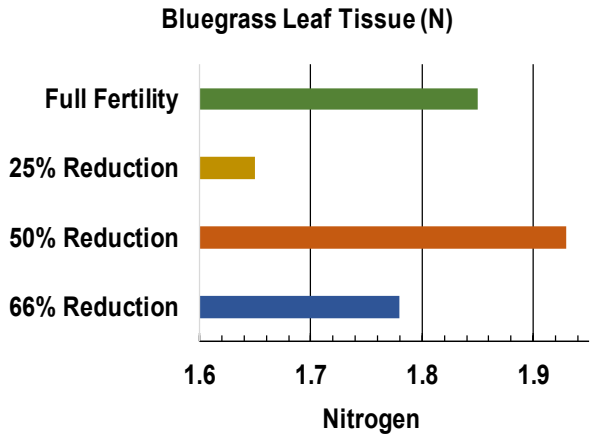

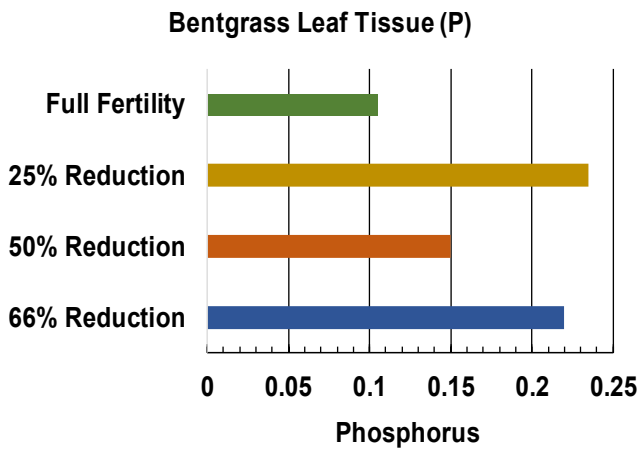

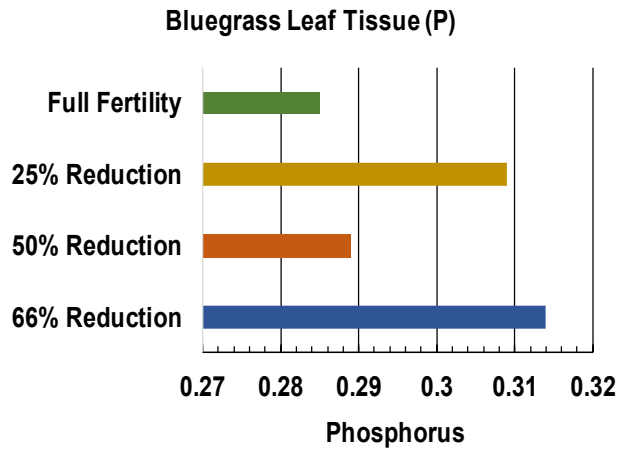

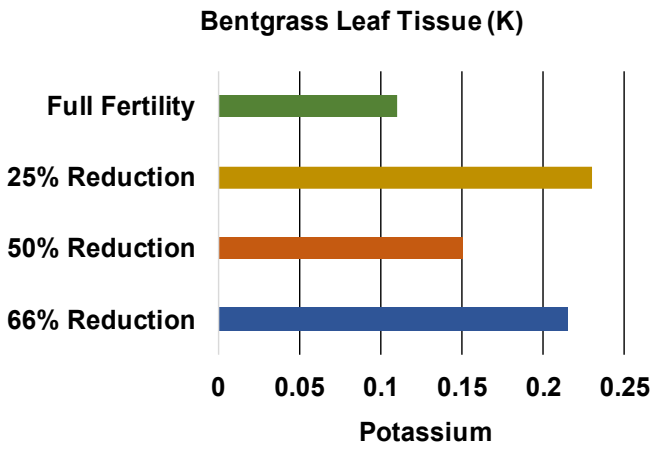

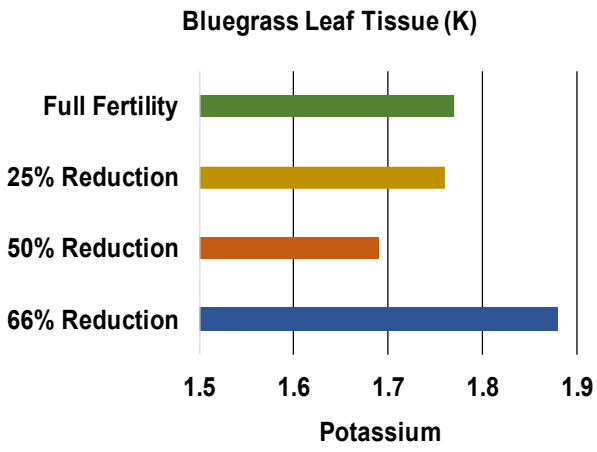

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