

# Nature Safe<sup>®</sup> research

## University research data

R-8

### Turf color quality

**Test conducted by:**

Ohio State University, Dr. John Street

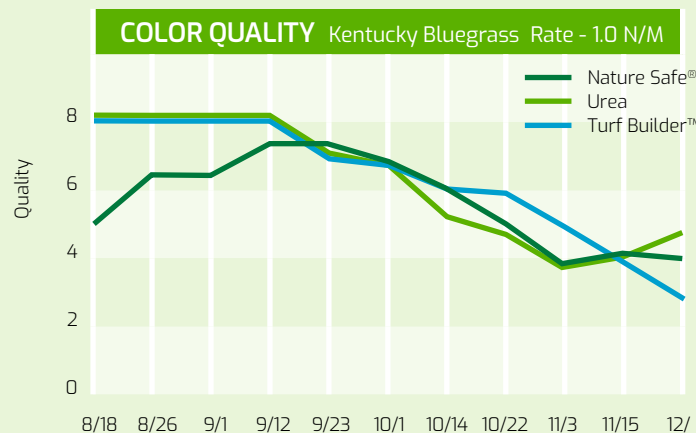
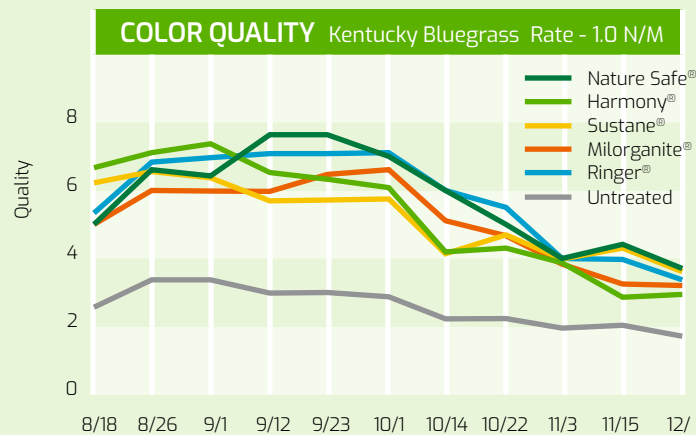
**Introduction and procedures**

Turf color quality is known to be one of the most important factors in evaluating a fertilizer's performance. Dr. Street reviewed a number of organic products. One pound of actual Nitrogen per one thousand square feet was applied to Kentucky Bluegrass. Quoted ratings were taken on a scale of 1 to 9 with 1 representing poorest and 9 representing best.

**Test results**

The all natural organic products were slow to respond, taking 7 to 10 days to achieve an acceptable level of 6. One product, Harmony, was fortified with urea. This product responded more quickly but did not maintain its color level as well as the all natural organic products. Performance appeared to be the highest of the two products constructed of animal proteins, Nature Safe and Ringer. The composted manure and sewage sludge products followed the same response curve as the animal protein products but did not achieve as high a level of acceptance.

When an all natural organic fertilizer, Nature Safe, was compared to urea and a commercially available synthetic fertilizer, Scotts Turf Builder™, performance was 7 to 10 days slower in achieving an acceptable level of 6 and was an additional 14 days to equal the performance of the urea based product. After roughly three weeks, all three fertilizers performed equally as well. The natural organic maintained a more consistent color during growing season.



**Conclusion**

The constructed all natural organic fertilizer of animal protein origin, Nature Safe, provided superior performance throughout the test study compared to the composted manure and sewage sludge products. Nature Safe provided a more consistent even color during the growing season compared to the quick growth synthetic products.