

Effect of Foliar Applications of Urea Nitrogen and  
Ferrous Sulfate on Quality of Adelphi Kentucky Bluegrass

Foliar applications of urea nitrogen and ferrous sulfate were made to Adelphi Kentucky bluegrass on July 21. Ferrous sulfate improved turf color one week after application when no nitrogen was applied but the effect dissipated within a few days (See Table 33). When nitrogen was applied, there was no response to the ferrous sulfate treatments.

Fall Nitrogen Study on Omega Perennial Ryegrass

A study to evaluate the response of Omega perennial ryegrass to fall applications of 3 sources of nitrogen, ammonium nitrate and two organic nitrogen materials from the Ringer Corporation, Lawn Keeper and Lawn Restore. Treatment and data are given in Table 34., Responses were somewhat variable depending on date of application. The Lawn Keeper and Lawn Restore material are also being evaluated for their effects on controlling thatch. Results are still preliminary.

Table 33. Effect of nitrogen and iron treatments on color of Adelphi Kentucky bluegrass at the Hancock Turfgrass Research Center. Treatments applied July 21. Averages for 3 replications.

Treatment/1000 sq ft		Turfgrass quality rating (9=best)				
N, lbs	Fe SO <sub>4</sub> , oz	July 22	July 24	July 28	July 31	Aug 13
0	0	4.2b <sup>x</sup>	4.2d	4.2c	4.3e	4.2e
0	2	5.0ab	4.8cd	5.5b	5.7d	5.3de
0.5	0	4.7ab	5.2bc	6.2b	6.7cd	6.3cd
0.5	2	4.8ab	5.3ac	6.7b	7.3bc	6.8cd
0.5	4	5.2a	5.8ab	6.7b	7.3bc	7.3bc
1	0	5.2a	5.8ab	8.2a	8.5ab	8.7ab
1	2	5.5a	6.0a	8.3a	8.8a	9.0a

<sup>x</sup> - means in columns followed by the same letter are not significantly different from each other at the 5% level using the Duncan's Multiple Range Test.