

UCRTRAC Accumulative Research Summary
Section C: Unbiased Product Testing (fertilizers, pesticides, equipment, etc.)
Project 11

Title: 1997-1998 Agrium Coated Urea Fertility Trial Applied on Tall Fescue in Riverside, California.

Objective: To evaluate the 12-month performance and nitrogen release, in terms of visual turfgrass color ratings and clipping yields, of four coated urea fertilizers and a standard urea fertilizer when applied on tall fescue at either 4.0 or 6.0 lb N/1000 ft² per 12 months in four applications.

Location: A one-year old (established from seed) plot of Marathon III tall fescue located at the UCR Turfgrass Field Research Facility.

Duration: 1 year

Funding Source: Agrium, Inc.

Findings:

- Under the conditions of this study, we noted minimal differences for visual turfgrass color among three Agrium experimental coated urea fertilizers, Scotts Poly Coated SCU, and Urea. The average, annual visual turfgrass color rating for all fertilizers applied at the 4.0 and 6.0 lb N rate was 6.0 and 6.1, respectively (1 to 9 scale with 9 = best tall fescue color). The difference between these averages are unexplainably minimal.
- However, the average accumulative clipping yield for all fertilizers applied at the 4.0 and 6.0 lb N rate was 118 and 142 g/7.44 ft² for 22 collection dates, respectively. The difference between these averages are more reflective of the difference between N rate levels.

Status: A one-year study was completed and a Mid-Term and a Final Report were prepared. It should be noted that these data are preliminary and additional evaluations should be conducted.
