1996 VIGORO COATED UREA FERTILITY TRIAL ON TALL FESCUE (VIGORO II)

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Objectives:
To evaluate the performance and nitrogen release of three coated urea fertilizers at two application rates applied to tall fescue, in terms of visual color ratings.

Cultivar:
Marathon III tall fescue.

Experimental Site:
A plot established at the UCR Turfgrass Field Research Center, Riverside, CA on April 3, 1996. The root zone is a native soil which is classified as a Hanford fine sandy loam; pH = 7.1; Olsen-P = 18 ppm; X-K = 75ppm as of July 1995.

Experimental Design:
Randomized Complete Block design with four replications. Plot size 4.5 x 6.0 ft.

Mowing:
Once per week with a rotary mower set at 2.0 inches. Clippings collected.

Irrigation:
Plots irrigated to prevent visual drought symptoms and overwatering.

Fertilizer Treatments:
- Coated urea fertilizers (*one application*):
  SCU (39% N), VCUrea45 (45% N), VCUrea60 (44.5% N)

- Two rates of application:
  1 lb N/1000 ft^2 and 1.5 lb N/1000 ft^2

- Check (no fertilizer)

- All treatments were applied on September 25, 1996.

Measurements:
Visual turfgrass color ratings taken every two weeks beginning two weeks after initial treatment applications, using a 1 to 9 scale (1=poorest, 5=acceptable, 9=best tall fescue).

1996 Vigoro Coated Urea Fertility Trial (Vigoro II): Visual Color Ratings

Scale: 1-9 (9=greenest tall fescue)

Product	Rate (lb N/M)	10/11/96	10/25/96	11/08/96	11/22/96	12/06/96	12/20/96
SCU (39% N)	1.0	6.3	6.6	6.0	5.6	5.0	4.3
SCU (39% N)	1.5	6.2	6.6	6.1	5.6	5.4	4.5
VCU45 (45% N)	1.0	6.2	6.6	6.1	5.6	5.3	4.6
VCU45 (45% N)	1.5	6.8	6.9	6.3	5.9	5.4	4.6
VCU60 (44.5% N)	1.0	6.4	6.4	6.0	5.6	5.2	4.4
VCU60 (44.5% N)	1.5	6.5	6.7	6.2	5.8	5.3	4.6
Check	0.0	5.6	5.9	5.5	5.1	4.8	4.1
	LSD P=0.05	0.5	0.4	0.3	0.3	0.3	0.2