UCRTRAC Accumulative Research Summary
Section C: Unbiased Product Testing (fertilizers, pesticides, equipment, etc.)
Project 17

Title: SW Milorganite 6-2-0 Iron Study.

Objective: To evaluate iron-containing fertilizers as an iron source for turfgrasses grown in southern Cali fornia.

- Four fertilizer products (Table 1) are being applied at a N rate of 1.2 lb/1,000 ft^2 per application on 22 Mar., 12 July, and 11 Oct. The annual N rate is 3.6 lb/1,000 ft^2. A fifth treatment is a no fertilizer check.

- Treatments are being applied to four 4.5- x 6.0-ft individual replicate plots arranged in a randomized complete block design.

- Beginning 4 weeks following initial treatment application, ratings of visual turfgrass quality and color are being taken once every 2 weeks.

Location: A plot of Bonsai tall fescue that was established Sept. 1993 and is located at the UCR Turfgrass Field Research Facility.

Duration: 2 years.

Funding Source: Milorganite.

Findings:

- In terms of visual turfgrass quality and color ratings, preliminary results indicate that the performance of all fertilizer treatments is similar.

Status: This is an ongoing study and preliminary results have been reported to Milorganite.

Table 1. Fertilizer products being evaluated in the SW Milorganite 6-2-0 Iron Study.

Treatment		Analysis	N source(s)	
			Quickly available	Slowly available
1	Milorganite	6-2-0 with 4% iron	0.75% water soluble	5.25% water insoluble
2	Lebanon Perk	4-0-10 with 10% iron	4.0% ammoniacal	
3	Ironite	7-6-6 with 6% iron	7.0% ammoniacal	
4	Ferromec AC	15-0-0 with 6% iron	15.0% urea	
5	No fertilizer check	–	–	