

Michigan State University 1996 Turfgrass Fertility Study



TABLE 3. Clipping Weight from Karsten Tissue Analysis

Carrier	Rate & Timing	June 24	July 1	July 8	July 22	July 29	Season Avg.
130 A	0.25 lbs./wk.	28.9 de	14.9 c	07.3 d	18.2 bcd	16.4 bcd	17.1
131 A¹ 134 A	0.19 lbs./wk. 0.16 lbs./wk.	36.7 ab 26.2 e	20.9 a 13.5 c	11.0 b 05.3 e	36.7 a 15.5 de	24.4 a 13.9 de	25.9 14.9
135 A ¹	0.12 lbs./wk.	30.2 d	14.5 с	07.2 d	19.0 bc	17.3 bc	17.6
130 A	1.0 lb./mo.	33.4 c	14.3 c	09.5 c	19.5 cd	15.8 cd	18.5
131 A ¹	0.75 lbs./mo.	38.7 a	18.4 b	14.4 a	29.7 b	18.9 b	24.0
134 A	0.62 lbs./mo.	28.9 de	13.8 c	07.6 d	14.5 e	12.5 e	15.5
135 A ¹	0.47 lbs./mo.	34.7 be	15.7 с	10.6 bc	21.5 cd	16.0 cd	19.7
Probabliity		.00	.00	.00	.00	.00	
LSD @ 0.05		3.1	2.3	1.1	3.9	2.7	

Application Dates for MSU Turfgrass Study

All Treatments

June 3

July 1

Weekly Feeding Treatments

June 10, June 17, June 25

July 9, July 16, July 22, July 31

August 6 August 13, August 21, August 28, September 4

TABLE 4. Nitrogen Content of Clippings from Karsten Tissue Analysis
Nitrogen content in clippings

Carrier	Rate & Timing	July 1	July 8	July 22	Season Avg.
130 A	0.25 lbs./wk.	4.25 be	4.26 d	4.16 bc	4.22
131 A ¹	0.19 lbs./wk.	4.91 a	4.71 c	4.78 a	4.8
134 A	0.16 lbs./wk.	4.07 cd	4.36 d	3.81 d	4.08
135 A ¹	0.12 lbs./wk.	4.31 b	4.15 d	4.14 bc	4.2
130 A	1.0 lb./mo.	3.93 de	4.77 bc	4.07 c	4.25
131 A ¹	0.75 lbs./mo.	4.36 b	5.46 a	4.72 a	4.85
134 A	0.62 lbs./mo.	3.73 e	4.28 d	3.75 d	3.92
135 A ¹	0.47 lbs./mo.	4.03 cd	5.02 b	4.27 b	4.44
Probabliity		.00	.00	.00	.00
LSD @ 0.05		.23	.29	.17	.17

Application Dates for MSU Turfgrass Study

All Treatments	Weekly Feeding Treatments
June 3	June 10, June 17, June 25
July 1	July 9, July 16, July 22, July 31
August 6	August 13, August 21, August 28, September 4

Note: Inclusion of Menefee Humate in 131 and 135 consistently increased clipping weight and tissue nitrogen in every observation but one.

Means in columns followed by the same letter are not significantly different at the 5% level using the LSD means separation test.

¹Menefee HumateTM added at 27.5% w/w