every 3 weeks or 12 cubic feet applied spring and fall. Also included were an untreated check and a plot which received 12 cubic feet of sand spring and fall after cultivating with 1/2 inch hollow tines.

Turfgrass quality ratings (Table 10) reflect the improvement observed after topdressing as observed previously. For that reason the light frequent topdressing program ranks better through much of the season than when topdressed only in spring and fall. But following spring and fall topdressings at high rates these plots freqently outranked the light, frequent topdressing program for a period of time.

Plots receiving the soil based mix outranked those receiving sand alone on several dates. This has been observed previously. We are still of the opinion that a soil based topdressing material is preferred if the soil mix in the green is no finer textured than the topdressing mix. Try to match the original soil if it is acceptable. If not, use a sandier mix but be sure the topdressing mix is sandy enough to permit good infiltration and will resist compaction. If a quality, consistent source of a soil based mix is not available, then sand can be used. It is essential to use light rates (2-4 cubic feet per 1000 sq ft except when applied after core cultivation) at intervals which are adjusted to the growth rate of the grass (an approximation of the rate of thatch accumulation). This means more frequent topdressing in spring and fall when growth is greater and traffic is lower, perhaps at 2 week intervals. By contrast, in the summer with greater stress and traffic it may be possible to stretch the interval to as much as 4 weeks. This must be determined on a site by site basis requiring careful observation by the superintendent.

Wetting agent study

The wetting agent treatments shown in Table 11 were applied to a Penncross creeping bentgrass green at the Hancock Turfgrass Center on June 26, 1989. Repeat treatments were made on July 25 and August 16. This study was designed to evaluate the effect of these wetting agents on prevention of localized dry spots. As was the case in 1988 we observed no significant development of localized dry spots on these plots. The soil is a modified loamy sand. Heavy irrigation of adjacent plots utilized for another study likely prevented localized dry spot development on these plots.

Significant differences in dew formation occurred on several dates, however (Table 11). Effects on dew suppression tended to be short term (2 to perhaps 4 days) for the sprayable wetting agents. Granular materials have a less dramatic effect short term but tend to provide dew suppression over a longer period.

Control of moss with Safer

A study to evaluate the effect of Safer in controlling moss in a shaded Kentucky bluegrass lawn in Okemos was established June 9, 1989. Safer was applied at 4 oz per 1000 sq ft. The degree of moss control was very good as observed by the relative ratings taken 1 week after treatment and at 1 and 2 month intervals. There was some short term phytotoxicity observed but this was limited in effect and duration. This product seemed to work very effectively but should be applied carefully according to label instruction to

Table 11. Wetting agent effects on dew formation observed on a Penncross creeping bentgrass green. 1989 treatments applied 6/26, 7/25 and 8/16. Hancock Turfgrass Research Center.

Treatment	Rate	Dew Ratings (1 = heavy dew; 9 = no dew)							
Wetting Agent	ounces per 1000 sq. ft.	6/28	7/7	7/26	8/7	8/17	8/23	8/24	Yearly Average
Naiad/Fertilizer	1	2.0e	5.5abcd	1.2f	1.0c	1.0h	4.0ab	1.0c	2.3h
Naiad	1	4.3d	7.0a	4.7f	1.0c	2.0fgh	5.7ab	1.0c	3.2fg
Aqua-Gro	8	8.0ab	4.2d	8.3ab	1.0c	8.0ab	6.3ab	1.7c	5.4abc
Aqua-Gro S	56	6.0bcd	5.5abcd	6.0de	1.0c	2.7fgh	3.7ab	1.0c	3.7ef
Hydrozyme	12	5.0cd	5.5abcd	2.3f	1.0c	3.3defg	3.0b	1.0c	3.0fgh
LescoWet II	8	7.3ab	6.8ab	9.0a	1.0c	8.0ab	6.3ab	1.0c	5.6ab
Hydraflo-G	56	6.7bc	6.0abcd	5.3e	2.3b	3.0efgh	6.7a	3.0b	4.7bcd
Hydraflo-G	112	7.7ab	6.7abc	6.3cde	5.0a	4.0efg	6.7a	4.0a	5.8a
Hydraflo	4	8.3ab	4.3d	8.3ab	1.0c	8.7a	5.0ab	1.7c	5.3abc
Hydraflo	8	9.0a	7.0a	9.0a	2.3b	4.3cdefg	5.0ab	2.0c	5.5ab
Peneturf	8	6.7abc	4.7cd	7.3cd	1.0c	5.7bcde	4.7ab	1.3c	4.5cde
Surfside 19A	16	5.0cd	6.7abc	7.0cd	1.0c	6.0abcd	5.3ab	1.0c	4.6cde
Surfside 37A	16	7.0abc	4.8bcd	7.3bc	1.0c	4.7cdef	3.3ab	1.0c	4.2de
HydroWet	8	7.0abc	5.8abcd	9.0a	1.0c	7.0abc	5.0ab	1.0c	5.1abc
Check	-	2.0e	5.3abcd	1.3f	1.0c	1.7gh	4.7ab	1.0c	2.4gh

* - Means followed by the same letter are not significantly different at the 5% level using Duncan's Multiple Range Test.