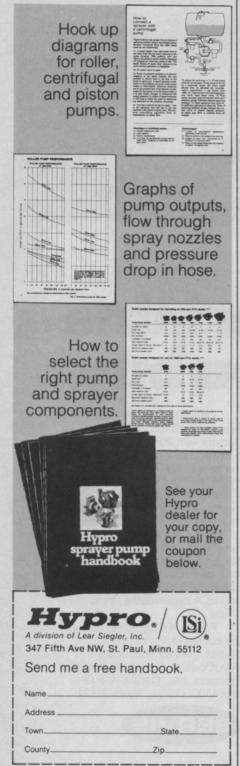
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Proper Turf Fertilization Increases Wear Tolerance

Proper fertilization can increase the ability of turfgrass to withstand daily trampling such as that on a golf course, according to a University of Nebraska-Lincoln horticulturist.

Dr. R. C. Shearman reported to a session of the annual meeting of the American Society of Agronomy recently on studies done with the Toronto variety of creeping bentgrass. He and James Beard of Texas A & M University found that adding nitrogen up to 12 pounds per thousand square feet per season increased the wear tolerance of the turf. Fertilizing beyond that point reduced wear tolerance significantly.

Added potassium also increased the wear tolerance of the grass, with the greatest increase resulting from six to eight pounds pf of potassium per thousand square feet per season. This was on Nebraska soils, which are relatively high in potassium. Dr. Shearman recommends metering out the potassium with two or more applications during the season.

Manganese Stays Soluble In New Patent Fertilizer Use

A government patent has been granted to an inventor — Richard J. Windgassen of East Chicago, Ill. outlining the use of manganese sulfate in conjunction with aqueous NPK fertilizers, in such a fashion that the manganese remains in the soluble state.

The importance of this invention is that it allows manganese to be readily available when applied in liquid form along with NPK fertilizers.

Windgassen said that as a result of the examples presented in his patent, it is apparent that his invention provides a simple and effective means for forming stable manganese solution that can be used as liquid concentrates to furnish liquid manganese in mixed NPK liquid fertilizers.

Gravely Names Jim Fischer Marketing Vice President

The Gravely division of the Clark-Gravely Corp. has appointed James A. Fischer as vice president of marketing. Fischer comes to Gravely from the Toro Company where he



Fischer

was director of marketing for its Turf Products Div. Prior to that, he was district sales manager and then product manager for Toro.

He is a graduate of Purdue University with a B.S. in agronomy. He received his M.S. in turfgrass management from Michigan State University and M.B.A. from the Harvard Business School.



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