

**PROGRESS REPORT #2**

**Improvement of Poa Annua for Golf Turf**

**The University of Minnesota  
Department of Horticultural Science and Landscape Architecture  
Project: Biology and Utilization of Turfgrasses**

**and**

**USGA Turf Research Foundation**

**Cooperating**

**November 1985**



UNIVERSITY OF MINNESOTA  
TWIN CITIES

Department of Horticultural Science  
and Landscape Architecture  
305 Alderman Hall  
1970 Folwell Avenue  
St. Paul, Minnesota 55108

November 27, 1985

Mr. William Bengeyfield  
2313 Washington Ave.  
Caldwell, Idaho 83605

Dear Bill,

This is offered as a summary report of activities for 1985:

Improvement of Poa annua for Golf Turf

University of Minnesota and USGA Cooperating

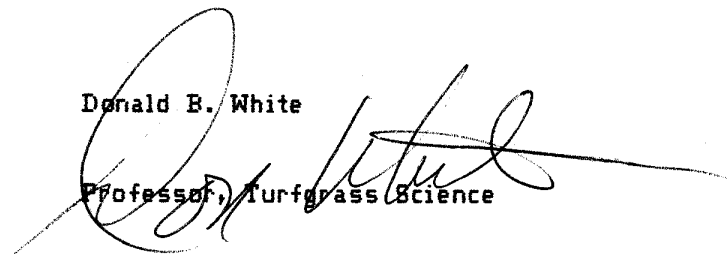
1. New accessions have been added to the germplasm collection from Arizona, California, Illinois, Michigan, Missouri, New Jersey, Minnesota and several European locations.
2. Evaluation of first and second generation selections continued and included a spaced planting in the field of representatives of 145 selections.
3. Several investigations into stolon propagation and storage resulted in developing techniques for inducing flowering, storage of stolons, and evaluation of rooting habit.
4. Investigations into modifying tissue culture for somaclonal variation were initiated.
5. The first field planting from stolons of superior selections was established.
6. Crossing, selfing, evaluations, selection, seed harvest and data collection continue.
7. The first selection from the F1 generation of a 16B clone parent has been identified.

Plans for next year include:

1. Continuation of selfing, crossing and selection programs.
2. Continue the research into self-incompatibility.
3. Continue the tissue culture research including efforts investigating possibilities for somaclonal variation.
4. Continue research into flower suppression and improved methods of emasculation.
5. As activities permit, increase the 16B F1 selection for testing and evaluations here and at other sites.

Respectfully submitted;

Donald B. White

  
Professor, Turfgrass Science

































