

RHODE ISLAND AGRICULTURAL EXPERIMENT STATION  
 Rhode Island State College  
 Kingston, Rhode Island

USGA Green Section Cooperation

Research Grant - \$450, April 1, 1946	
Research Grant - John S. Clapper Memorial - \$1,500 \$500 a year for 3 years, 12/15/47	
Contributed through:	
Green Section Budget	\$ 450
Education Fund	600
Contributions	2,650
	\$3,700
John S. Clapper Memorial Grant	
Contributions	1,500
	\$5,200

Project Workers

T. E. Odland  
 J. A. DeFrance  
 J. A. Simmons  
 J. B. Rowell  
 F. L. Howard  
 T. O. Diener  
 Joseph G. Barrat

Recipients of the John Samuel Clapper Memorial Awards

1948	1949
James Simmons	Conrad R. Skogley
Robert Wakefield	Minot Crowell
Miasnig Hogopian	William Marcil

Projects

- The control of diseases of grasses and a study of seed production of bent grasses based on velvet and Rhode Island colonial bent strains developed from crossed or inbred plants.
- 1945 Formulation, development and testing of synthetic organic chemicals for control of diseases and insects in bentgrass turf  
 Selecting, testing and production of superior strains of colonial and velvet bentgrass, with emphasis on the production of seed
- 1947 Bentgrass for adaptability  
 Bentgrass for disease control  
 Disease control on colonial, creeping and velvet bents  
 Bentgrass seed production  
 Velvet bent - testing insecticides

- Compatibility - ryegrass, Kentucky bluegrass, Canada blue, Chewing's and creeping red fescue and Colonial bent, clover with mixtures of the basic grasses
- Height of cut - lawn turf with regard to quality factors, drought and disease resistance
- Piper velvet bent - minimum maintenance on seeded and stolon plots
- Improved strains of velvet bent and lime-compost study
- Lime and compost study on Piper velvet bent to determine effect on mat of undecomposed root accumulation
- Nurseries, varietal and hardiness test and increase
- Velvet bent seed production
- Special projects:
- Weed control studies - campus and athletic field
  - Soil sterilization
  - Insect control in cooperation with Dr. Theo. W. Kerr
  - Fairway fertilization - Pt. Judith Golf Course
  - Roadway test - Turf roadways between areas
  - Formaldehyde - in cooperation with USGA - campus or athletic field
- 1948 Disease control studies on putting green turf
- Insect control studies
  - Species and strain evaluation of various turf grasses
  - Soil sterilization studies
  - Weed control studies
  - Study of the value of ryegrass in turf grass seed mixtures
  - Evaluation of compost and lime on velvet bent putting green turf
  - Individual grasses and mixtures for turf roadways and for areas with competition from Norway maple tree roots
- 1949-1950 Lime and compost requirements of velvet bent turf - J. A. DeFrance and T. E. Odland
- A study of the value of certain fertilizers and chemicals for destroying weed seeds in soils previous to cropping - J. A. DeFrance and T. E. Odland
  - Water-soluble mercurials for crabgrass control - J. A. DeFrance
  - Rhode Island bent selections for turf and seed production - J. A. DeFrance and T. E. Odland
  - Control of diseases of grasses - J. B. Rowell, F. L. Howard, J. A. DeFrance
  - Control of annual bluegrass (Poa annua) - J. A. Simmons and J. A. DeFrance

#### Publications, Reprints and Reports

- "Selection and Developing of Improved Colonial Bents Based on the Study of Quality Factors, Drought and Disease Resistance at R. I. Agricultural Experiment Station." January 1950.
- "Weed-Free Compost and Seedbeds for Turf." J. A. DeFrance. Misc. Pub. No. 31, Revised May 1948.
- "Killing Weed Seeds in Grass Seedbeds by the Use of Fertilizers and Chemicals." J. A. DeFrance, R. S. Bell, and T. E. Odland. Reprint from ASA Journal, Vol. 39, No. 6, June 1947.

Publications, Reprints and Reports (Continued)

- "Result of Disease Control Studies. " 1947.
- "Turf Making and Lawn Management in Rhode Island. " J. A. DeFrance. Misc. Pub. No. 6, April 1940.
- "Turf Management in Rhode Island. " Robert S. Bell) Misc. Publication
- "The Control of Insects. " Cedrick Jennings ) No. 26,
- "Turf and Lawn Diseases. " Harry L. Keil ) May 1945
- "Weed-Free Compost. " J. A. DeFrance. Misc. Pub. No. 31, January 1947.
- "The Morphological Variations and the Occurrence of Aneuploids in Some Species of Agrostis in Rhode Island. " Irene H. Stuckey and Wm. G. Banfield.
- "Dollarspot on Creeping Bent C-15. " Fungicide Development Research, 1946.
- "Previewing New Materials for the Control of Turf Diseases. " Harry L. Keil and Frank L. Howard. December 1946.
- "Water-Soluble Mercurials for Crabgrass Control in Turf. " J. A. DeFrance. Reprint from Greenkeepers Reporter, January-February, 1947.
- "Killing Weed Seed in Grass Seedbed by the Use of Fertilizer and Chemicals. " J. A. DeFrance and T. E. Odland.
- "Turf Species and Fertility. "
- "Soil Sterilization for Weed Control. "
- "Make-up and Use of Fertilizers for Putting Greens, Grass Tennis Courts and Bowling Greens in Rhode Island. " April 1947.
- "Insect Control, 1947. "
- "Preparation of Weed-Free Seedbeds for Turf. " J. A. DeFrance. February 1948.
- "Turf Insect and Disease Control Under Rhode Island Conditions. "
- "Controlling Weeds in Turf with 2, 4-D. " J. A. DeFrance. Misc. Pub. No. 30, April 1946.

Rhode Island Experiment Station publishes "Turf Maintenance Tips. "

Rhode Island Experiment Station holds an Annual Greenkeepers Field Day.