

TEXAS AGRICULTURAL EXPERIMENT STATION

Texas A & M College
College Station, Texas

USGA Green Section Cooperation - Research Grant \$900 - \$300 a year for 3
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Project Workers

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USGA Green Section Projects

To collect and evaluate species and strains of turf grasses according to their:

- Seeding ability
- Vegetative characteristics and habits
- Reaction to environmental factors

To develop improved strains of turf grasses by breeding for:

- Resistance to disease
- Recovery from injury (use)
- Tolerance to climate
- Appearance and wearing qualities
- Turf forming qualities
- Drought resistance
- Soil nutrient requirements

To evaluate improved strains in specialized use tests

Establishment, Maintenance and Improvement of Turf by Cultural Methods

The effects of fertilizer elements and combinations thereof on turf with regard to: rapidity of coverage, top growth, vigor and density, root growth and accumulation, weed population, wear resistance, speed of recovery, winter hardiness, drought resistance, and disease and insect incidence

Aerification methods and their interrelationships with fertilizer elements as they affect the quality of turf

The effects of time, rate and kind of topdressing on the quality of turf

The proper rate and method of irrigation as it influences quality of turf

The influence of clipping heights and frequency on:

- Density of grass
- Weed population
- Root development
- Drought resistance

Effective means of controlling turf weeds

Publications, Reprints and Reports

None