OTHER TURFGRASS RESEARCH CURRENTLY IN PROGRESS

1. Highway Vegetation Studies -- A three year investigation of mulches, grass mixtures, seeding rates and dates and establishment procedures supported by a $10,500 grant from the Michigan State Highway Department. The location is a four acre area on the north side of I-96 just south of East Lansing. Dr. James Beard

2. Northern Michigan Turfgrass Investigations -- Bentgrass, bluegrass, red fescue, ryegrass and tall fescue variety moisture, and management studies. Plus nitrogen rate, carrier and frequency of application studies being conducted at the Traverse City Country Club, Traverse City, Michigan. Soil on the site is 91% sand, 6% silt and 3% clay. All studies are being maintained under both irrigated and non-irrigated conditions. Drs. James Beard and Paul Rieke.

3. Fairway Renovation - Improvement Study -- Located at the Cascade Country Club, Grand Rapids. Involves mechanical and chemical methods of reducing the annual bluegrass population and encouraging bentgrass sod formation when maintained under close mowing and irrigated conditions. Comparisons are being made of various methods of seed and vegetative bentgrass establishment. Dr. James Beard

4. Sod Production Studies -- Located at the MSU Muck Farm. Investigations include grass mixtures for sod, seed quality, nitrogen rate and frequency, phosphorus and potassium levels and mowing height as they affect sod formation. Drs. Paul Rieke, Robert Lucas and James Beard.

5. Winterskill of Turfgrasses -- Causal factors in winterkill and management factors which can minimize kill. Dr. James Beard

6. Shade Ecology Study -- Mechanisms of grass adaptation to shade. Dr. James Beard

7. Turfgrass Breeding -- Red fescue, tall fescue, and ryegrass selection and breeding for improved varieties. Dr. Fred Elliott.

8. Fertilizer Placement in Relation to Turf Establishment -- Placement of fertilizer relative to seed placement is being studied in terms of germination, seedling growth and root development in the greenhouse and field. Dr. Paul Rieke.

9. Movement of nitrogen, phosphorus, and potassium from surface applications are being studied over a period of years in the field and greenhouse. Dr. Paul Rieke.