

PROJECT: Variety and Species Trials and Evaluation

Duration: 6 years (1953-1958)

Station: Kansas State College

Total of USGA Support: \$3,900

Specific Accomplishments:

1. Twenty-five Zoysia selections have been made from a population of 1500 seedlings. Some of these are heavy seed producers and some show superior turf characteristics.
2. Approximately 5000 hybrid bermudagrass seedlings have been produced and are being evaluated.
3. Poa arida has been evaluated and found useless because of disease susceptibility.
4. One kind of dye (Dow's M-819) has been found to resist fading in intense sunlight.
5. Drouth tolerance studies permitted the following rankings:
 - a. Warm-season grasses -- buffalograss, U-3 bermudagrass, K-1-51 bermudagrass, Meyer Zoysia, Z. japonica, and African bermudagrass.
 - b. Cool-season grasses -- K-31 tall fescue, Kentucky bluegrass, ryegrass, Highland bentgrass, and creeping bentgrasses.