

**Irrigation Water Use Efficiency Including Utilization of Effluent Water**

1. Influence of irrigation scheduling on tall fescue performance ■
2. Water use rates among tall fescue cultivars ■
3. Water use rates among bermudagrass and zoysiagrass cultivars ■●
4. Tall fescue morphological characteristics associated with evapotranspiration rates and clipping yields ■
5. Influence of Primo on the water stress relations of tall fescue during the warm season ■●
6. Influence of irrigation frequency when irrigating bermudagrass and zoysiagrass below ET crop during the warm season ■●
7. Evaluation of water conservation surfactants on two warm-season grasses in southern California ■●
8. The development of irrigation and nitrogen fertilization programs on tall fescue to facilitate irrigation-water savings and fertilizer-use efficiency ■
9. Characterization of markers for leaf firing resistance among turf-type bermudagrasses ■●
10. Irrigation water banking on tall fescue maintained in the inland climatic conditions of Riverside ■
11. Heat tolerant bluegrass, Kentucky bluegrass, and tall fescue visual ratings during short-term drought and recovery ■●

**Impact of Turfgrass Chemicals and Fertilizers on the Environment**

1. Measurement and model prediction of pesticide partitioning in field-scale turfgrass plots ●■
2. Nitrogen leaching and best management practices for overseeded bermudagrass fairways ●■
3. Further evaluation and modeling of pesticide data from the UCR putting green lysimeters ●■
4. A survey of professional turfgrass managers of southern California concerning their use of turfgrass best management practices ■●
5. Development of BMPs for fertilizing lawns to optimize plant performance and nitrogen uptake while reducing the potential for nitrate leaching ■
6. Degradation of N-nitrosodimethylamine (NDMA) in landscape soils ■●

**Unbiased Product Testing (fertilizers, pesticides, equipment, etc.)**

1. 1996 Vigoro consumer and polymer coated fertility trial on tall fescue ■●
2. 1996 Vigoro coated urea fertility trial on tall fescue ■●
3. Two-year evaluation of nitrogen products applied on tall fescue in Riverside, CA: 1995-1997 ■●
4. 1996-1997 evaluation of slow-release and fast-release nitrogen fertilizer products applied on an overseeded common bermudagrass during the cool season ●■
5. One-year evaluation of iron applications applied with three nitrogen fertility rates on tall fescue in Riverside, CA: 1996-97 ■
6. Annual evaluation of bio-feed fertilizer on tall fescue ■
7. Evaluation of experimental coated urea fertilizers on Kentucky bluegrass during the cool season ■
8. Evaluation of the phytotoxicity of six experimental Aqueduct formulations applied on a creeping bentgrass putting green in August ●
9. Influence of Primo on the total nonstructural carbohydrate partitioning of tall fescue ■●
10. Effect of soil conditioner on physical properties in a golf course putting green ●■
11. 1997-1998 Agrium coated urea fertility trial applied on tall fescue in Riverside, CA ■●
12. 1998 Agrium slow-release nitrogen product trial on Bonsai tall fescue ■●
13. The evaluation of slow-release nitrogen fertilizers applied on Arizona common bermudagrass during the warm season ●■
14. Test of Nutrismart on established tall fescue ■●

**Unbiased Cultivar Evaluations**

1. UCR bentgrass variety trials, 1995-1999 ●
2. USGA, GCSAA, and NTEP on-site testing program for bentgrass and bermudagrass cultivars on USGA specification golf course putting greens, 1997-2001 ●
3. USGA, GCSAA, and NTEP on-site testing of grasses for overseeding of bermudagrass fairways, 1999-2001 ●■
4. USGA, GCSAA, and NTEP on-site testing of grasses for overseeding of bermudagrass fairways, 2004-2006 ●■

**Production of Quality Putting Greens**

1. The evaluation of summer cultivations with a Toro HydroJect on a creeping bentgrass putting green located in the Coachella Valley ●
2. Maintaining putting green soil aeration and leaching capabilities during the summer with a Toro HydroJect ●
3. Improvement of the spring transition of overseeded bermudagrass putting greens in the Coachella Valley ●
4. Management of annual bluegrass putting greens in California ●
5. The effect of endoROOTS and ROOTS 2 on creeping bentgrass establishment and maintenance on a newly constructed sand rootzone ●■

**Pest Control Including IPM and Biological Control**

1. The effect of nitrogen rates and source on perennial ryegrass quality and susceptibility to gray leaf spot ●■

**The Ability to Respond to Sudden Research and Education Industry Needs**

1. The effect of fall renovation treatments on PM<sub>10</sub> emissions during raking of debris following scalping of common bermudagrass fairways prior to overseeding ●■