Ultradwarf Bermudagrass Greens Winter Color Enhancement Study

Presented by
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Cooperators
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Small Plot Materials and Methods

- MiniVerde green
- 1st application date: December 2-3, 2009
- Plot size = 5 ft x 39 ft = 195 ft²
- 3 replicates = 585 ft²
- CO₂ backpack sprayer
- 40-55 psi, one flat fan 8003 nozzle
- 2nd application date: January 14, 2010 (6 weeks)

Materials and Methods

- Green Lawnger
  Becker Underwood
- Wintergreen Plus
  Precision Labs
- Match Play Ultradwarf Plus
  Pioneer Athletics
- Match Play Ultradwarf Super
  Pioneer Athletics

Materials and Methods

Product Rates

- Green Lawnger
  40 oz in 2.5 gal water
- Wintergreen Plus
  57 oz in 3.5 gal water
- Match Play Ultradwarf Plus
  60 oz in 8 gal water
- Match Play Ultradwarf Super
  60 oz in 4 gal water

CO₂ backpack sprayer
40-55 psi with one flat fan 8003 nozzle
**Materials and Methods**

- **MiniVerde green**
- U.S. Specialty Colorants 
  Turf Dye Southwestern 
- Application date - January 14, 2010 
- Plot size = 10 ft x 25 ft = 250 ft² 
  1 replicate 
- CO₂ backpack sprayer 
  40-55 psi, one flat fan 8003 nozzle 
- 11 oz in 1.4 gal water (1:16)

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**MiniVerde Green Demonstration**

- ~2,400 ft² 
- Matchplay Ultradwarf Plus 
- 1.7 gal in 15 gal water 
- Hand spray gun w/ single Tee Jet 
  8008 EVS nozzle @ 200 psi
**Materials and Methods**

TifEagle Green Demonstration
- ~5,500 ft²
- Green Lawnger
- 3.6 gal in 30 gal water
- Spray Hawk w/ 9 Tee Jet AIXR 11004 and 11006 nozzles at 30-40 psi

Green Lawnger
- 1.5 gal in 20 gal water
- Hand spray gun w/ single Tee Jet EVS 8008 nozzle at 200 psi
- Touch-up spray

**Considerations before painting**

- Timing of applications
  - Turf condition and vigor
    - %Green, dormant
    - Fertility and pre-conditioning
    - Moisture, irrigation, rainfall
  - Longevity of colorants – paints and dye
    - Wearability
    - Staining
    - Enhanced spring green-up
      - Improve transition
    - Cost benefits or disadvantages
    - Equipment
No tracking indoors

Applied December 5, 2009

January 16, 2010 @ 6 weeks

Treatment details posted http://turf.arizona.edu/publications/presentations.htm