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### **Shade Study-2007 Data**

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The shade study was established in the fall of 2004. It includes Kentucky bluegrasses, Perennial ryes, fine fescues and rough bluegrasses (*Poa trivialis*). The area receives 2 lb nitrogen/year and is mown at 3 inches. It receives no irrigation or pesticide applications. It is still early in the study and most differences in shade adaptation generally do not begin to appear until the 4<sup>th</sup> or 5<sup>th</sup> seasons. So far, the Rough bluegrass and some of the Kentucky bluegrasses have been outperforming the fine fescues and the other species. This may have been due to the relatively wet conditions since the establishment of the trial. The long-term experience at the research station is that the fine fescues generally do better than the other species in the long-term. The study will continue for several more seasons.

Table 1. Grasses from the shade study ranked from highest to lowest during the 2007 season

| Treatment                        | April | May | June | July | August | Sept. | Oct | MEAN |
|----------------------------------|-------|-----|------|------|--------|-------|-----|------|
| Winterplay Rough Bluegrass       | 6.6   | 7.6 | 7.6  | 4.3  | 6.3    | 8.6   | 8.6 | 7.1  |
| Brilliant Kentucky Bluegrass     | 4.3   | 5   | 8.3  | 6.3  | 6.6    | 6.6   | 6.6 | 6.2  |
| Starlite Rough Bluegrass         | 5.3   | 7   | 7    | 3.6  | 6      | 7.6   | 7.3 | 6.2  |
| Apollo Kentucky Bluegrass        | 4.6   | 5.3 | 8    | 6    | 6.3    | 6.3   | 6.3 | 6    |
| Colt Rough Bluegrass             | 6.6   | 7.3 | 5.3  | 3.6  | 6.3    | 6.3   | 7   | 6    |
| Bridgeport Chewings Fescue       | 5.6   | 7   | 6.6  | 6.6  | 5.6    | 5.6   | 5.6 | 5.9  |
| Showcase Kentucky Bluegrass      | 4.3   | 5.6 | 6.3  | 5.3  | 6      | 6     | 6   | 5.6  |
| Princeton 105 Kentucky Bluegrass | 4     | 6   | 6.6  | 4.6  | 5.6    | 5.6   | 5.6 | 5.5  |
| Salsa Creeping Red Fescue        | 5.3   | 5.3 | 5    | 5    | 5.6    | 5.6   | 5.6 | 5.4  |
| Salsa Creeping Red Fescue        | 4.3   | 4.3 | 5.6  | 5.6  | 5.3    | 5.3   | 5.3 | 5.3  |
| Wolfpack Tall Fescue             | 5     | 4.3 | 5.3  | 5.3  | 5.6    | 5.6   | 5.6 | 5.3  |
| Magic Chewings Fescue            | 5.3   | 6   | 5.6  | 5.6  | 5.3    | 5.3   | 5.3 | 5.3  |
| Ascot Kentucky Bluegrass         | 3     | 5.3 | 6.3  | 6    | 5.3    | 5.3   | 5.3 | 5.3  |
| Jasper II Creeping Red Fescue    | 4.3   | 5.3 | 5.3  | 3.6  | 5.6    | 5.6   | 5.6 | 5.1  |
| Reliant II Hard Fescue           | 4.3   | 5.3 | 6    | 6    | 4.6    | 4.6   | 4.6 | 5    |
| Oxford Hard Fescue               | 4.6   | 5.6 | 5.6  | 4.6  | 4.3    | 4.3   | 4.3 | 4.8  |
| Chateau Kentucky Bluegrass       | 3.3   | 4.6 | 6    | 4.3  | 5.6    | 5.6   | 5.6 | 4.8  |
| Plantation Tall Fescue           | 4     | 4.3 | 4.6  | 4.6  | 4.6    | 4.6   | 4.6 | 4.7  |
| Tairfax Kentucky Bluegrass       | 3.3   | 5   | 6    | 4.3  | 5      | 5     | 5   | 4.6  |
| SR 5100 Hard Fescue              | 4.6   | 5.3 | 4.6  | 4.6  | 5      | 5     | 5   | 4.5  |
| SR 3200 Chewings Fescue          | 4     | 4.3 | 5.3  | 4.3  | 4.3    | 4.3   | 4.3 | 4.5  |
| Discovery Hard Fescue            | 3.6   | 4   | 5    | 4.3  | 4.6    | 4.6   | 4.6 | 4.5  |
| Rembrandt Tall Fescue            | 3     | 3.6 | 5.3  | 5.3  | 4.3    | 4.3   | 4.3 | 4.4  |
| Minotaur Hard Fescue             | 3.6   | 4.3 | 4.6  | 4    | 4      | 4     | 4   | 4.3  |
| Coventry Kentucky Bluegrass      | 3.3   | 4.3 | 5.3  | 4    | 4.6    | 4.6   | 4.6 | 4.3  |
| Pathfinder Strong Creeping Red   | 3.3   | 5   | 4.3  | 4.3  | 4.3    | 4.3   | 4.3 | 4.2  |
| Heron Hard Fescue                | 3     | 3   | 4    | 4    | 4      | 4     | 4   | 3.6  |
| Catalina Per. Ryegrass           | 1.6   | 2   | 2.6  | 2.6  | 1.6    | 1.6   | 1.6 | 2.2  |
| Top Hat Per. Ryegrass            | 1.6   | 1.6 | 1.6  | 1.6  | 1.3    | 1.3   | 1.3 | 1.6  |
| LSD 0.05                         | 1.6   | 2   | 2    | 1.6  | 2      | 2     | 2.5 | 1.6  |