

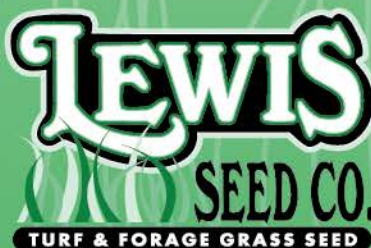
# **LS 1010**

## **TURF TALL FESCUE**

As water resources become scarce in many areas of the United States, LS 1010 turf tall fescue comes to the rescue. Increasingly, effluent water is being used for irrigation where fresh water is limited, resulting in saline soil conditions. LS 1010 has excellent salt tolerance and drought tolerance. It forms an attractive, dark green turf where other grasses fail to thrive. It has an extensive root system and forms a dense sod that will please any sod farm producer. LS 1010 remains a dense, dark green stand showing persistence from spring to fall while crowding out weeds. LS 1010 underwent extensive testing in NTEP trials and ranks near the top of the pack for many traits including turfgrass quality in saline conditions, dark green genetic color and drought tolerance. LS 1010 tall fescue is a reliable performer and will provide a lush, beautiful lawn where other grasses fail to grow and thrive. Count on LS 1010 tall fescue for your turfgrass needs.

### KEY POINTS

- Drought tolerant
- Salt tolerant
- Superior sod strength
- Forms a dense sod
- Dark green genetic color
- Excellent spring through fall ground cover



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## BACKGROUND & APPLICATION

LS 1010 tall fescue traces its parentage to the cultivar Cortez II. A space plant nursery was established and plants were selected for dark genetic color, dwarf growth habit, number of inflorescence and stem rust resistance. Turf plots were planted and subjected to heat stress, drought stress, and disease pressures such as brown patch. Survivors were planted in a polycross nursery and harvested to create LS 1010. It is a dark green, medium-fine textured tall fescue that forms a lush, dense, attractive turf. It is ideal for use on golf course roughs, parks, home lawns, sod farms and commercial landscape sites.

## ESTABLISHMENT & MAINTENANCE

### SEEDING RATES

Overseeding existing turf: 4-6 lbs. / 1,000 sq.ft.  
 Sports fields, parks and lawns: 7-10 lbs. / 1,000 sq.ft.  
 Golf course roughs: 250-300 lbs. / acre  
 Sod production: 400-500 lbs. / acre

### SOIL PREPARATION

Prepare a smooth firm seedbed free of foreign debris such as sticks and large clods.

### PLANTING & GERMINATION

Plant at 1/4 inch depth. The soil should be kept moist but not to the point where there is standing water. Under ideal conditions, germination should take place within 7-14 days.

### FERTILITY

For optimum development the soil pH should be neutral, but LS 1010 can tolerate moderately acidic or alkaline soils. Recommended rate of N (nitrogen) is 3-5 lbs. / 1,000 sq.ft. per year. However, 2-3 lbs N / 1,000 sq.ft. per year is sufficient in many situations. The rule of thumb is 0.50 lb. N per month during the active growing period.

### IRRIGATION

After establishment, infrequent deep soil watering is recommended for maximum root depth development. The approach to watering should be to ensure that plants are properly hydrated but not over-watered.

### MOWING

Under ideal conditions, LS 1010 can tolerate mowing at 1.0 inch but the recommended mowing height is between 1.5 and 3.0 inches. When mowing, the rule of thumb is to never remove more than one third of the total plant height.



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The following tables are from the 2006 Tall Fescue National Turfgrass Evaluation Program Final Report 2007 – 2011 Data. There are 113 entries in this trial. Silverado is a check variety.

Table 12. Mean turfgrass quality of tall fescue cultivars grown under saline irrigation at Las Cruces, NM (2008-11)



Table 15. Mean genetic color ratings of tall fescue cultivars (2007-11)

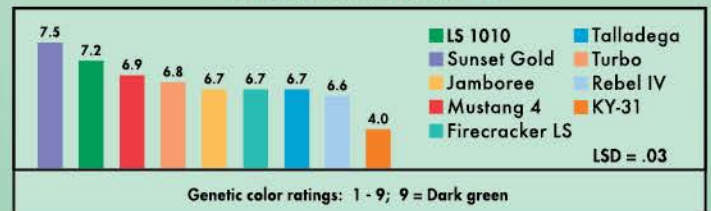


Table 22. Mean ratings for percent living ground cover (spring) for tall fescue cultivars (2007-11)



Table 24. Mean ratings for percent living ground cover (fall) for tall fescue cultivars (2007-11)

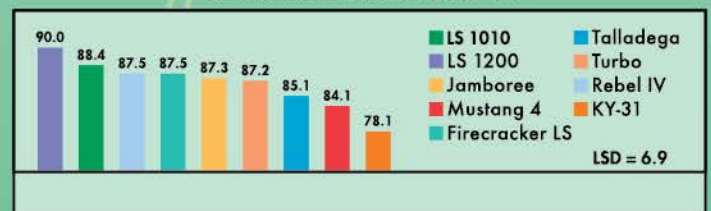


Table 28. Mean drought tolerance (wilting) ratings of tall fescue cultivars (2007-11)

