Winter Frost?

Fear not...if you've sown
Derby and Gator

Lee Todd, Superintendent
Seven Springs Country Club
Seven Springs, Florida

It may not happen often, but on occasion frost invades the sunny South. When it does, Derby and Gator are the two turf-type perennial ryegrasses a Superintendent can count on, to not just survive, but to prosper.

Lee Todd, Superintendent at Seven Springs Country Club in Seven Springs, Florida, will testify to that fact.

In mid-winter, following a long, warm sunny spell, a sudden, severe frost hit the area, but Lee had nothing to fear.

Derby ryegrass (mowed at 1/4 inch) was on his tees and Gator ryegrass (mowed at 3/16ths inch) was on the greens and they were unfazed.

They held their deep green color and excellent quality and required no special attention despite a sudden weather change that could have given lesser grasses a bad time, indeed.
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<table>
<thead>
<tr>
<th>Spacing (in.)</th>
<th>Production (holes/sq. ft.)</th>
<th>Yield (holes/sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00</td>
<td>5,625</td>
<td>57.6</td>
</tr>
<tr>
<td>1.50</td>
<td>8,440</td>
<td>38.4</td>
</tr>
<tr>
<td>2.00</td>
<td>11,250</td>
<td>38.4</td>
</tr>
<tr>
<td>2.50</td>
<td>14,060</td>
<td>23.0</td>
</tr>
<tr>
<td>3.00</td>
<td>16,875</td>
<td>19.2</td>
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<tr>
<td>3.50</td>
<td>19,690</td>
<td>16.5</td>
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<tr>
<td>4.00</td>
<td>22,500</td>
<td>14.4</td>
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<tr>
<td>4.50</td>
<td>25,310</td>
<td>12.8</td>
</tr>
<tr>
<td>5.00</td>
<td>28,125</td>
<td>11.5</td>
</tr>
</tbody>
</table>

Ryan's crank drive penetrates straight in at a depth of up to 3-3/4 inches. The tine-ram, ground-driven, reversing gear box pulls cores straight out to better protect your turf from damage—no matter what the spacing.

For a feel of the most cost-efficient aerator money can buy, contact the Ryan dealer nearest you for a free demonstration. Or call toll free: 1-800-228-4444.
We fertilize with potassium nitrate in liquid and dry blends over the entire course to feed our turf a safe, chlorine-free source of potassium and additional nitrogen. We spray it as part of our cooler season nutritional program on overseeded areas to supply developing plants a readily available source of nutrients. As temperatures heat up, the prilled form of potassium nitrate makes up the major portion of our dry blend fertility program.

Chuck Rogers, Saddlebrook, Tampa, FL

Potassium nitrate is a large part of our fertilizer program on bentgrass greens. Its high potassium to low nitrogen ratio lets us grow healthier, greener greens without excessive top growth. KN0₃ provides an excellent source of chlorine-free potassium that is essential to grow strong hardy plants with increased resistance to stresses like heat and drought. The prills are easy to apply and their high solubility and round shape allows them to move to the soil surface so mowers don’t pick them up. Potassium nitrate works fast to give us the deepest, richest greens.

David Lowe, The Plantation at Ponte Vedra, Jacksonville, FL

Potassium nitrate plays an important role in our nutritional program on greens and tees. It dissolves easily in water and mixes well with our regular pesticide and micronutrient sprays so we can do several jobs at once, saving application and labor costs. Potassium nitrate has the ideal ratio of potassium to nitrogen for good green color with no excessive growth that might slow the ball.

Steve Kuhn, Doral Country Club, Miami, FL

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The higher the WIN percentage, the longer your turf will remain green. And the less often you will have to fertilize. That's because WIN is the percentage of total Nitrogen that is truly slow release. Freeing small amounts of Nitrogen each time it's touched by water (Par Ex® with IBDU®) or activated by temperature or bacterial action (competitive products).

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Only Par Ex contains IBDU—a unique Water Insoluble Nitrogen source that is 100% available to your turf in a single growing season. Consider that urea formaldehyde products (bacteria and temperature released) contain about one third of their WIN in the form of plastic polymers. Its long-term Nitrogen release is so slow, it's almost useless, and will most likely occur during the hottest periods, just when you don't want it.

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