Spring dead spot and take-all root rot are among the most damaging diseases of bermudagrass putting greens throughout the transition zone. These diseases attack during the fall and spring when bermudagrass is growing slowly, with the potential to cause long-term reductions in playability. Both diseases begin to damage roots in the late summer to fall, so this is the key time to begin a preventative fungicide program.

- Take-all root rot activity begins in mid- to late-summer when soil temperatures are consistently below 80°F. Typically August 15 to September 15 depending on location.
- Spring dead spot activity begins in late summer to fall when soil temperatures drop to 70°F or less.

With proper application timing and the best rotation of products, take-all root rot and spring dead spot can be managed very effectively as part of a program approach. Syngenta has developed this recommended program through years of research with the leading universities in the transition zone. Preventive late-summer to fall fungicide applications, prior to dormancy, are recommended to protect the turf from pathogen attack and ensure acceptable turf quality in the spring.

<table>
<thead>
<tr>
<th>Application</th>
<th>Approximate Date</th>
<th>All rates are per 1,000 ft²</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>August 15th</td>
<td>Briskway® (1.2 fl oz)</td>
</tr>
<tr>
<td>2</td>
<td>September 15th</td>
<td>Posterity Forte (0.84)</td>
</tr>
<tr>
<td>3</td>
<td>October 15th</td>
<td>Posterity Forte (0.84)</td>
</tr>
<tr>
<td>4</td>
<td>November 15th</td>
<td>Headway (1.5 fl oz)</td>
</tr>
</tbody>
</table>
Application Notes:

- **Make first application** in late summer/early fall when 3-day average soil temperature declines below 80°F (typically Aug-Sept).
- Make subsequent applications on a **28-day interval** in the sequence provided above.
- All applications must be watered-in immediately with at least 0.15” of irrigation.

These applications are targeted to prevent take-all root rot, spring dead spot. This program has been shown to improve the winter quality and spring green-up of bermudagrass putting greens.

**Prevent Spring Dead Spot + Take-all Root Rot Guarantee**

- Follow the management tips above and the prescribed solution with application timing & product use rates recommended for effective control on bermudagrass greens in AL, AR, GA, MS, NC, OK, SC, TN, TX, VA.
- **Follow Syngenta soil temperature alerts** and initiate applications when 3-day average soil temperature declines below 80°F. Make sequential applications on a 28-day interval.
- All applications must be watered-in immediately with at least 0.15” of irrigation.
- If breakthrough occurs, it is at the Syngenta Territory Managers discretion as to what product to provide for rescue treatment and when or if spot treatment or broadcast treatment is required. Breakthrough is defined as appearance of spring dead spot or take-all root rot symptoms (confirmed by samples submitted to a diagnostic lab to confirm spring dead spot or take-all root rot) to levels that negatively impact the uniformity and playability of putting surfaces.

**Claims must be completed by May 1, 2024 with a territory manager.**

- This Guarantee is limited to providing product for up to two recovery applications for the acres originally treated.