Effective Overseeding Strategies for the Southwest
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When overseeding for the winter, there is a narrow window for establishing cool-season turf species for winter play. Since weather conditions favor the bermudagrass base at the time of overseeding, choosing the most effective products and using them at the right timing is essential for establishing and maintaining the winter overseed.

**Overseeding Application Overview**

The following applications are recommended for achieving the best results during overseeding.

<table>
<thead>
<tr>
<th>Timing</th>
<th>Product</th>
<th>Application Recommendation</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 to 8 weeks prior to seeding</td>
<td>Barricade® herbicide</td>
<td>0.4 to 0.65 lbs active ingredient/A</td>
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<tr>
<td>1 to 5 days prior to scalping</td>
<td>Primo Maxx® plant growth regulator*</td>
<td>0.5 fl oz/1,000 sq ft on fairways and 0.25 fl oz on greens</td>
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<tr>
<td>4 to 5 days prior to overseeding</td>
<td>Reward® herbicide</td>
<td>32 fl oz/A + 0.25% V/V NIS</td>
</tr>
<tr>
<td>0-2 days prior to overseeding</td>
<td>Heritage® WDG fungicide</td>
<td>0.4 fl oz per 1000 sq ft if not using treated seed</td>
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<tr>
<td>10 to 14 days after overseeding</td>
<td>Heritage G</td>
<td>4 lbs per 1,000 sq ft or use Subdue® GR fungicide at 1.5 lbs/1,000 sq ft</td>
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<tr>
<td>1 to 7 days after the first mowing</td>
<td>Primo Maxx</td>
<td>0.35 fl oz/1,000 sq ft or 0.1 to 0.125 fl oz on greens</td>
</tr>
<tr>
<td>21 days later</td>
<td>Primo Maxx</td>
<td>0.2 to 0.35 fl oz/1,000 sq ft or 0.1 to 0.125 fl oz on greens</td>
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<tr>
<td>8-10 weeks after overseeding or</td>
<td>Trimmit® 2SC plant growth</td>
<td>8 to 10 fl oz/A every 4 weeks for 3 applications as long as the ryegrass is growing</td>
</tr>
<tr>
<td>when ryegrass is at 85 percent cover</td>
<td>regulator</td>
<td></td>
</tr>
<tr>
<td>Use three applications at 30-day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>intervals</td>
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**Recommendations Before Scalping**

Prior to scalping, Primo Maxx® plant growth regulator can be used to suppress bermudagrass growth, allowing the overseeding species to establish without competition. Post-overseed applications of Primo Maxx will provide continued suppression of bermudagrass growth and enhance color and density of the overseed stand.

*If you are using Primo Maxx in conjunction with Reward® herbicide in the burndown phase, time your application at least two days prior to the Reward application.*
**Burndown Application**

Before overseeding with ryegrass, use a burndown herbicide such as Reward to help decrease the amount of time, labor and green waste associated with overseeding. Reward is a non-selective, contact herbicide that does not translocate into bermudagrass roots or rhizomes and has no soil activity or residual control. Reward herbicide binds strongly to soil particles and will be deactivated upon contact.

After burndown, initiate one to two irrigation events to wash off any remaining Reward residue from the stubble. As a best practice, use flat fan or air induction nozzles for foliar coverage.

**Disease Prevention During Overseeding**

Frequent irrigation and high temperatures at overseeding are conducive for *Pythium* spp. and other damping-off fungi such as *Rhizoctonia* spp. and *Fusarium* spp., which can be very harmful to seedling turf. To ensure disease protection throughout seedling development, the following application methods are recommended:

- **Prior to seeding:** Apply Heritage® WDG fungicide at 0.4 fl oz/1000 sq ft or Heritage G at 4 lbs/1000 sq ft.
- **14 days after the first application:** Apply Heritage WDG at 0.4 fl oz/1000 sq ft or Heritage G at 4 lbs/1000 sq ft.
- **Alternative to Heritage or used as a rotation partner:** Subdue® GR fungicide at 1.5 lbs or 1 fl oz/1000 sq ft of Subdue Maxx® fungicide.

**Post-Overseeding Applications**

Post-overseeding applications of Primo Maxx can greatly improve the density and color of the ryegrass stand and reduce competition from the bermudagrass base (refer to the chart for post overseeding recommendations).
**Poa Annua Control Recommendations During Overseeding**

*Poa annua*, a common winter annual weed in the Southwest, can effectively compete with overseeded ryegrass and be unsightly. This weed may not be readily visible until the plants begin to flower in the spring, but by then, it may be too late to control. To help prevent *Poa annua*, incorporate the following control strategies into your overseeding process:

### Prior to overseeding

Apply Barricade® herbicide on fairways, roughs and tees at a rate of 0.4 to 0.65 lbs ai/A six to eight weeks prior to overseeding. Another application of Barricade can be made four weeks after overseeding or when the ryegrass roots are in the second inch of soil. Barricade application rates on the ryegrass overseeding cannot exceed more than two applications per year and a total of 0.85 lbs ai/A per year.

**Poa Annua control prior to overseeding:**

- Post-overseeding applications:
  - Trial in Palm Springs, Calif
  - Barricade® 65WG herbicide
    - 0.77 lbs /A 10 weeks prior to overseeding
  - Three 8 fl oz/A applications of Trimmit® 2SC plant growth regulator applied beginning in mid-December

### After overseeding

Once the overseeding is established, an early post-emergence application is recommended. Three monthly applications of Trimmit® 2SC plant growth regulator will help suppress *Poa annua*.

**Post-overseeding applications:**

- Trial in Palm Springs, Calif
- Barricade 65WG
  - 0.50 lbs /A 8 weeks prior to overseeding

FOR MORE INFORMATION about overseeding applications, please visit **GreenCastOnline.com** or call 1-866-SYNGENT(A) (796-4368).