Technical Bulletin

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PrimoMAXX® Plant Growth Regulator

Using Primo MAXX® Before and After Overseeding

Primo MAXX Advantages

Successful overseedings are usually measured by the density and quality of the turf when the golf course opens for play. Any delay in re-opening is certainly not desirable. Unfortunately, superintendents have a very short window for establishment of a cool-season turf type when weather conditions favor the bermudagrass base. No sooner have you pushed the bermudagrass to establish a solid base than you turn around, scalp, and seed into it. Primo MAXX offers the advantages your overseeding regimen needs.

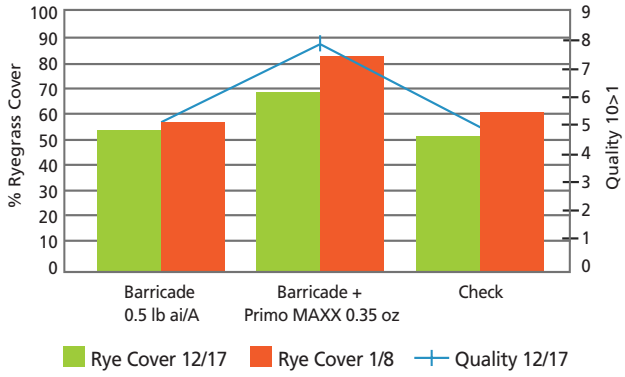
Applied Prior to Scalping, Holds the Bermudagrass Back

Bermudagrass is still actively growing in September and early October when overseeding operations normally occur. An application of Primo MAXX at 0.5/1000 ft² (0.25 oz on greens) 1 to 5 days prior to scalping will hold back the bermudagrass, allowing the overseeding species to establish with less competition.

Applied Post-Overseeding, Increases Ryegrass Density

A study at Colorado State University found a 63% increase in perennial ryegrass density when Primo MAXX was applied to newly germinated seeds (HortScience 33[7]). Several trials were initiated in Palm Springs, CA, and in Phoenix, AZ, to document benefits of Primo MAXX in typical desert overseeding programs, including the addition of Barricade® prior to overseeding for *Poa annua* control. Trial results demonstrated a significant surface quality improvement and perennial ryegrass density enhancement when Primo MAXX was applied after overseeding. On fairways, post-overseeding applications of Primo MAXX at 0.35 oz/1000 ft² are recommended at 1 to 7 days after the first mowing, followed by a second application 21 days later.

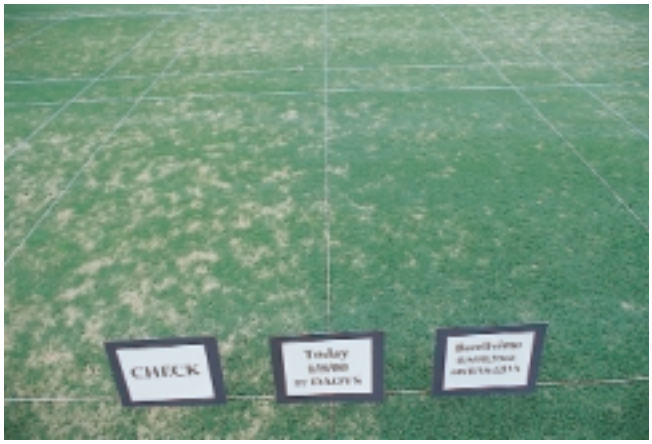
Effect of Primo MAXX at Post-OVS on Perennial Ryegrass Quality and Density



Plots were overseeded on Oct. 12 at 650 lb/A. Barricade was applied 6 weeks prior to OVS. Primo MAXX was applied 1 day and 21 days after first mowing.

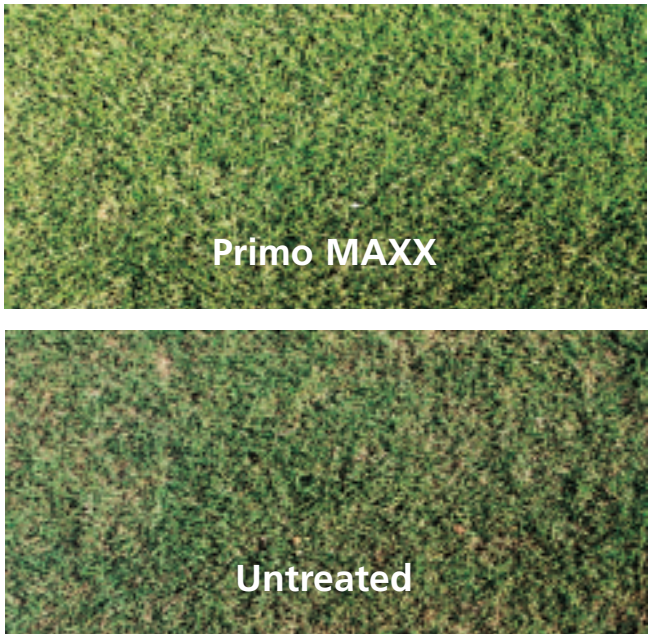
Indian Wells, CA

Greater Density in Primo MAXX Treated Plot



Plot on right is treated with Barricade prior to overseeding and Primo MAXX 1 day and 22 days after the first mowing compared to untreated on left. Density of the overseeded ryegrass is much greater in the Primo MAXX treated plot 87 days after overseeding. Tan regions are bermudagrass discolored by cool winter temperatures.

A Significant Difference



This photo, taken in mid-November, contrasts the ryegrass density difference with and without Primo MAXX. Turf in top portion of photo was treated with Primo MAXX at 0.5 oz per 1000 ft^2 prior to overseeding. Bottom portion is an area that was untreated. Ryegrass cover and density is much greater in top portion of photo.

Primo MAXX Before and After Overseeding

- For better turf quality when course opens for play
- Apply before scalping to hold bermudagrass back
- Apply after overseeding to increase ryegrass density
- May also significantly improve surface quality

Call 1-800-395-8873 to contact your local Syngenta turf and ornamental technical representative or sales representative and learn more about Primo MAXX.

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