



JACKLIN[®] S E E D

by **Simplot**

Research Newsletter

September, 2018

Poa Under Summer Stress? Interseed Now to Improve Stand Performance

Summer temperature records have been falling across the Northern Hemisphere this year, which means added stress for cool-season putting green surfaces. Many golf courses have stressed and dying *Poa annua* from harsh summer conditions. If summer is still in full swing in your area, then it is a good time to help improve the greens and fill in the dead spots by interseeding with a modern, aggressive variety of bentgrass (*Agrostis stolonifera*).

Interseeding is an economical way to introduce improved bentgrass varieties into your existing turf stand, while keeping your course open for play. What makes an interseeding program successful? Over the past 15 years, Jacklin Seed[®] has conducted numerous interseeding trials, and reviewed previously conducted research, to provide you with the most comprehensive interseeding recommendations. Below is a summary of our findings to help you implement a successful interseeding program.



Above, Jacklin's new L-93 XD, 7 days after drop seeding into Graden grooves. Seeding was done August of 2017 on a green in Columbus, OH. This was a 20+ year-old green with *Poa* and segregating bentgrass.

Choosing a Cultivar: This is a crucial step in your interseeding success. New, more aggressive varieties are proven to work. (continued p. 2)

Introducing Infusion GLX *Lolium perenne* for Rust and Gray Leaf Spot

Infusion perennial ryegrass (*Lolium perenne*) was specifically selected for its good disease tolerance, and it has been performing exceptionally well in southern overseeding and in the north for permanent turf. Golf courses in Florida have found Infusion has excellent rust tolerance, while tolerance to gray leaf spot makes it a popular choice in the Northeast and Midwest. Infusion is a strong performer in the transition zone areas, earning it a spot on the Maryland and Virginia recommended lists.



Infusion GLX three weeks after slice-seeding on a sports field in West Virginia. The field was planted May 28, 2018.

Infusion is also a good choice for sports fields where it holds up well under wear. We entered infusion in the 2010 NTEP under experimental name JR-178, and it performed statistically as well as the #1 variety in the wear category.

Infusion has high shoot density compared to other cultivars of perennial ryegrass. We conducted a study comparing shoots per square inch (continued p. 2)

Interseeding, continued

Seeding Date: Research projects at Rutgers University (New Jersey) indicate mid-summer seeding results in greater bentgrass coverage compared to a fall seeding date.

Establishment Technique: Establishment techniques appear to be important immediately following interseeding, but one-year later, results are similar regardless of how the seed was introduced into the *Poa annua* surface. Applying seed when top dressing is just as effective as using fancy equipment.

Seeding Rate: Recommended interseeding rates are between 2-4lbs/1000ft² (10-20g/m²).

Irrigation: Treat the area like a new seedbed. Keep area moist for at least 10-14 days after interseeding.



Mike Green at Downriver GC in Spokane, WA interseeding with Armor creeping bentgrass at 2 lb/1000ft² (10 g/m²).

Mowing Routine: Continue normal mowing practices after interseeding. However, try to mow without collecting clippings, so you're not removing seed you just planted.

Interseeding Frequency: Interseed in multiple directions at least 1 to 2 times per year.

Plant Growth Regulators: For an aggressive conversion program, Trimit and Cutless applied in 2-week intervals at the maximum label rate provide best results. For a slower conversion, applying Legacy at the maximum label rate in 2-week intervals shows greater bentgrass than untreated plots.

Cultural Practices: Once bentgrass has established, inducing minor drought stress and backing off fungicide applications will further strengthen bentgrass, while weakening the existing *Poa annua* stand. 🌱

Infusion, continued

among different cultivars of ryegrass. We took 3 random samples using a profile sampler from 2-year old replicated test plots of 17 commercial ryegrass varieties, and counted the number of attached shoots in each sample. Infusion averaged 32.7 shoots per square inch (5 shoots/cm²), while the average of all varieties was 27.3 (4.2 shoots/cm²). 🌱



May 28, 2018 seeding of Infusion on a sports field in West Virginia.

Barry Larson Rejoins Jacklin Team as Mark Grundman Retires



Jacklin® Seed by Simplot is pleased to welcome Barry Larson back to their team after a 17-year hiatus. A long-time resident of Janesville, Wisconsin, Barry has stepped into Jacklin's regional technical manager roll being vacated by Mark Grundman.

Mark steps away to enjoy retirement after 27 years at Jacklin.

Barry has been focused on turf his entire distinguished career. After completing Penn State's 2-year turfgrass management program, he worked with a few turf companies in a sports and golf focused capacity, including a 10 year stint with Jacklin's Medalist America golf division, before rejoining us.

Barry and his wife, Jane, enjoy spending time with their two grown children and their two grandchildren. 🌱



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