

### Features

- Excellent choice for greens, tees, and fairways of professional golf course superintendents
- Minimal segregation due to similar growth habits
- Withstands extreme heat, cold and humidity
- Extreme resistance to *Pythium*, Brown Patch and Dollar Spot
- Dark green, dense and upright
- Reduced thatch production
- Superior salt tolerance

### Benefits

- SR 1119 is the fastest establishing bentgrass on the market — excellent seedling vigor
- Smooth, FAST putting surfaces at any height
- Unsurpassed Dollar Spot resistance
- Good Spring green-up
- Ease of maintenance
- Extremely wide area of adaptation in the USA and elsewhere
- Superior performance under effluent reclaimed irrigation

### Seeding Rates

- New turf: 1 to 1.5 pounds per 1,000 sq. ft. or 45 to 65 pounds per acre (5 to 7.5 grams per square meter or 50 to 75 kilograms per hectare)
- Overseeding/Interseeding: 2 to 3 pounds per 1,000 sq. ft. or 90 to 135 pounds per acre (10 to 15 grams per square meter or 100 to 150 kilograms per hectare)
- Seeds per pound: Approximately 6,000,000

Distributor:

**Dominant Plus Creeping Bentgrass Blend** is a perfect blend of beauty, functionality and durability for today's greens, tees and fairways. **Dominant Plus** combines three of the golf industry's most recognized bentgrass varieties – SR 1119, Providence and SR 1020. **Dominant Plus** boasts the broadest genetic diversity, superior adaptability and unmatched durability. Planting a blend of the industry's most technically advanced bentgrasses will significantly improve the quality of any turf stand, whether on a new project or renovating an existing course.



### Why Plant a Blend?

Traditionally, turf professionals have used blends of different varieties when planting high caliber projects to ensure a broad genetic base that capitalizes on the strengths of the different varieties. This enables the professional turf manager to attain the highest quality turf under varying maintenance conditions and environmental stresses.

Some of the best putting surfaces in the history of golf were the old South German bentgrasses which consisted of mixtures of different varieties and species of bentgrass, compatible in texture and density, with outstanding putting quality. **Dominant Plus** takes this a step further by using the very best creeping bentgrass varieties available on the market today. However, a blend of just any two or three bentgrasses won't necessarily work. The varieties selected must compliment each others strengths and weaknesses, with similar appearances and growth habits.

### Why DOMINANT PLUS?

**Dominant Plus** combines Providence, SR 1020, and SR 1119 to create a turf with a 15 parent genetic base. This broad base will provide a putting surface with increased resistance to Brown Patch, Dollar Spot, *Pythium*, and most environmental stresses. Providence was selected from germplasm out of Rhode Island and shows excellent cold and heat tolerance. SR 1020 was selected for heat tolerance at the University of Arizona. SR 1119 was developed for superior disease resistance, ultra-fine texture and excellent heat tolerance. This combination of cold and heat tolerance makes **Dominant Plus** an excellent choice for areas of the United States that experience both very cold winters and very hot summers.

Providence, SR 1020 and SR 1119 are very compatible in a blend; all are vigorous, fine textured, produce high shoot densities, and have a dark green color. Furthermore, they all have a very upright growth habit. This results in a putting surface that is easier to maintain and keep in ideal conditions without the segregation and high intensity maintenance of other varieties.

### Establishment

- Emergence: 3 to 5 days (6 to 10 in cooler weather)
- First mowing: approximately 21 days, depending on usage
- First limited use: approximately 6 to 8 weeks depending on conditions

# BENTGRASS CONVERSION - IT CAN WORK!

By Dr. Leah Brillman — Seed Research of Oregon

**B**entgrass conversion can refer to changing from one bentgrass cultivar to another, or converting from *Poa annua* or perennial ryegrass to bentgrass. All of these can be done on greens, tees and fairways but the success rate depends on many factors. These factors include the climate zone of the course, the acceptable amount of disruption of the playing surface, timing of conversion and amount of perseverance.

## KEY CONCEPTS

- ▶ Bentgrass seedlings are very small and initially weak. Some varieties such as **SR 1119** and **Brighton** have greater seedling vigor and can greatly increase your chances of success.
- ▶ In competition for critical resources including light, water and nutrients the established plant always has an advantage over the seedlings.
- ▶ Timing the inter-/overseeding to correspond with favorable growing conditions is extremely important. In some regions this may be a fall application, whereas in other regions it may be in the late spring or early summer.
- ▶ The existing plants must be weakened to give the seedlings a chance to compete.
- ▶ Conversion is more difficult in milder climates where existing turf has a longer period of active growth (and minimal seasonal dormancy).
- ▶ The new seedlings must be kept moist, which can make the existing playing surface softer and slower.
- ▶ The microclimate within the canopy may be favorable to *Pythium spp.* outbreaks.

## BENTGRASS TO BENTGRASS OR *POA ANNUA* TO BENTGRASS

Success in any conversion depends on the relative competitiveness of the new bentgrass seedlings, the climatic and regional adaptation of *Poa annua*, the health of the stand before conversion, the timing of the seeding and the level of acceptable disruption.

1. Apply a growth regulator such as **Primo<sup>®</sup>**, **Cutless<sup>®</sup>**, **Turf Enhancer<sup>®</sup>**, **Progress<sup>®</sup>**, **Embark<sup>®</sup>** or **Proxy<sup>®</sup>** - growth regulators that damage turf quality are often more effective but less aesthetically acceptable. **Do not apply a preemergent before seeding.** (Always follow labeled rates and recommendations)
2. Reduce height of cut on existing turf (scalp - <0.115" - or lower).
3. Verticut heavily to reduce any thatch and further weaken existing turf (this can also be done after core aerifying).
4. Core aerify with largest acceptable tines to create holes in canopy. Solid tines may also be used. The aim is to allow seedlings time to establish before competition returns and to assure seed-soil contact.
5. Topdress or drag in cores to fill holes.
6. Best times for conversion are late spring, through the summer until late summer. *Pythium* control is very important - **Allegiance<sup>®</sup>** treatment of the seed will give you 14-17 days of *Pythium* control. Go as late in the spring as you can and still maintain acceptable playing conditions. Go as early in the Fall as play allows. Seeding dates of June 19, July 1, August 17 and 20 most successful in New Jersey. August seeding dates were also better at Purdue University. Dr. Watschke at Penn State reports that at soil temperatures above 70 degrees bentgrass germination is favored over *Poa annua*.
7. Seed with **SR 1119**, **Providence**, **SR 1020**, **Brighton**, **Dominant**, **Dominant Plus** or **Dominant X-treme** at 1-2 lb./1000 ft<sup>2</sup> and topdress or drag seed into surface. Seed-soil contact is vital.
8. Keep surface moist - Stay on the dry side if converting from *Poa annua*.
9. Fertilize lightly after seedlings germinate with quickly available nitrogen source.
10. Keep height of cut low to enable more light to seedlings and reduce growth of existing stand (<0.125").
11. Dimension may be applied 14-21 days after seedling emergence to limit *Poa annua* competition (Reicher, 2003)
12. Repeat Spring and Fall for at least two years. Significant results are generally observable in the third year.

## REFERENCES

- Bigelow, C.A. and D.R. Chalmers. <http://sudan.cses.vt.edu/html/Turf/bigelow.htm>  
 Kopek, D.M. <http://ag.arizona.edu/turf/glf0399b.html>  
 Murphy, J.M. et. al. 1999. 1999 Rutgers Turfgrass Proceedings. pg. 227-238.  
 Ralston-Hooper, K. and Z. Reicher. 2002. [www.agry.purdue.edu/turf/report/2002/page80.pdf](http://www.agry.purdue.edu/turf/report/2002/page80.pdf)  
 Reicher, Z. and Hardebeck, G. 1997. Conversion of golf course fairways without using nonselective herbicides. Annual Purdue Turfgrass Research Report (1997).  
 Watschke, T.L. 1997. Convert your fairway to bentgrass. Grounds Maintenance. July.