

Features

- Withstands extreme heat, cold and humidity
- Minimal segregation due to similar growth habits
- Fewer thatch problems
- Extreme resistance to *Pythium*, Brown Patch, Dollar Spot and Snow Mold
- Dark green, dense and upright
- Uses: Excellent choice for greens, tees, and fairways for the northern tier

Benefits

- SR 1119 is the fastest establishing bentgrass on the market – greens in 8 weeks
- Smooth, FAST putting surfaces at any height
- Unsurpassed Dollar Spot resistance
- Good Spring Green Up
- More environmentally friendly, reduced chemical input
- Easier to maintain

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



Dominant X-treme Creeping Bentgrass Blend brings together two varieties, Providence and SR 1119, names you know and trust. Combining the cold weather performance and disease resistance of Providence with the fast establishment and superb putting quality of SR 1119 is a natural for both the northern and transition zones.

A Spectacular Blend Available to You!

For several years, superintendents throughout North America have been custom blending Providence and SR 1119 with great results. Now, this spectacular blend of the industry's toughest bentgrasses is available to you — without the need for custom blending.

Why a Creeping Bentgrass Blend?

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 that were compatible in texture and density, and had outstanding putting quality. **Dominant X-treme** takes the benefits of the old South German bentgrasses 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 will not necessarily work. The varieties selected must have similar color, texture, and aggressiveness and compliment each others strengths and weaknesses.

Why DOMINANT X-treme?

Dominant X-treme has extreme disease resistance. Both Providence and SR 1119 have excellent resistance to *Pythium*, Brown Patch and Dollar Spot. Providence and SR 1119 create extremely smooth, FAST putting surfaces at any greens height. Extreme heat, cold and humidity are no match for **Dominant X-treme**.

For Superior Quality

When quality seed is at issue, **Dominant X-treme** is the right choice. Seed Research of Oregon's highest quality standards are 100 times higher than the state of Oregon blue tag certification standard. No other company can match the purity of **Dominant X-treme**.

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

Bentgrass 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.



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.

Key Concepts

- ▶ *Bentgrass seedlings are very small and initially weak. Some varieties such as **Tyee, 007** and **SR 1150** 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 winter-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.*

1. Apply a growth regulator such as Primo[®], Cutless[®], Turf Enhancer[®], Prograss[®], Embark[®] or Proxy[®] — 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[®] 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 **Tyee, 007, SR 1150, SR 1119, Providence, SR 1020, Brighton, Dominant, Dominant Plus, Dominant X-treme, Dominant X-treme 7** at 1-2 lb./1000 ft² 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

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- ▶ Reicher, Z. and Hardebeck, G. 1997. Conversion of golf course fairways without using nonselective herbicides. Annual Purdue Turfgrass Research Report (1997).
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