

PANAM

bermudagrass seed blend



PanAm is a proprietary seed blend of three high-quality, turf-type Bermudagrasses. Seed blends offer greater success rates over straight varieties due to their adaptability to varying conditions. Developing the ideal blend is the result of research and trials verified by real-world use.

The three varieties that comprise PanAm offer exceptional wear tolerance and are ideal for high traffic locations such as golf course fairways, tees or roughs, sport fields, playgrounds, park's and home lawns. In addition, PanAm contains Panama which provides fast establishment to out-compete weeds.

In addition PanAm is coated with Yellow Jacket, a unique seed coating technology that holds moisture around the seed during germination and establishment. Yellow Jacket seed coating can hold up to 600 times it's own weight in water and acts as a sponge to absorb and hold water and then release it to the plants as needed. This ensures that the young seedlings will have moisture available even when conditions are not ideal.

Why PanAm with Yellow Jacket®?

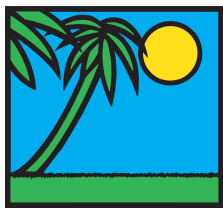
- ▶ NEW AND IMPROVED!
- ▶ Increase success with a blend
- ▶ Improved turf quality
- ▶ Includes Panama for fast establishment
- ▶ Coated with Yellow Jacket for improved germination and establishment
- ▶ Fine leaves and dark green color



YELLOW JACKET
ENHANCED SEED COATING

Make PanAm your Bermuda choice.

 **BARENBRUG**
Great in Grass®



PANAM

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PanAm is a blend of three advanced turf type Bermudagrasses including the top-ranking variety Panama. PanAm's leaf texture is fine and exhibits a dark green color. PanAm comes coated with the revolutionary seed coating, Yellow Jacket. Yellow Jacket allows for optimum seed germination and establishment in the harshest climates. See the side-bar for research and trial data on Yellow Jacket.

SEEDING AND MAINTENANCE INSTRUCTIONS

- ▶ **SEEDING RATE:**
 - ▶ New turf: 2 to 3 lbs. / 1,000 sq. ft.
 - ▶ Existing turf: 1 lb. / 1,000 sq. ft.
 - ▶ Overseeding existing turf: 1 lb. / 1,000 sq. ft. (Verify that the seed has adequate soil contact. Bare spots should be seeded at new turf rate.)
- ▶ **TEMPERATURE:** Soil temperatures should be above 65° F (18° C). Optimum soil temperature for germination and root growth is 75° to 80° F (24° to 27° C).
- ▶ **PLANTING:** Plant in spring and summer, in full sun areas, on well-drained soil. A seedbed should be prepared with 6 inches of loose soil and .5 inch of fine topsoil. Seed can be applied with a broadcast spreader, seeder, hydroseeder or by hand. Care must be taken not to cover the seed with more than ¼ inch of topsoil.
- ▶ **GERMINATION & ESTABLISHMENT:** Keep seedbed moist to enhance germination. Under ideal conditions, germination will begin within 10 to 14 days and should be complete within 18 days. Full establishment should occur in 4 to 6 weeks. Establishment time may vary if planting date occurred early or late in the planting season.
- ▶ **FERTILIZATION:** For optimum results apply .5 to .75 lbs. of N / 1,000 sq. ft. per month during the growing season. Homeowners should make balanced applications of fertilizer during spring, summer, and fall.
- ▶ **MOWING:** First mowing should occur approximately 3 weeks after seeding. It is recommended not to remove more than ½ of the leaf blade during each mowing. Minimum mowing height is .5 inch with optimum mowing height at .75 inch. Panama can be mowed with rotary or reel mower.
- ▶ **WATERING:** A watering program must be followed for 1 to 2 weeks after planting to enhance germination. After establishment, less frequent, deep watering is preferred.
- ▶ **WINTER OVERSEEDING:** Overseeding PanAm with Turf Star® or SOS® ryegrass can provide year-round green turf. Avoid verticutting and scalping of immature bermudagrass (turf less than 6 to 8 months old).

Turf Star and SOS are a registered trademarks of Barenbrug USA.



Great in Grass®
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Yellow Jacket Enhanced Seed Coating

Yellow Jacket, Barenbrug's proprietary seed coating, utilizes Zeba superabsorbant technology to produce a coating that can hold up to 600 times its own weight in water. Research trials at the University of New Mexico proved that seed coated with Yellow Jacket established faster and required less water. These results are critical as water has become a precious global asset. Yellow Jacket simultaneously helps seed thrive while conserving water.

New Mexico State University Seed Coating Trial

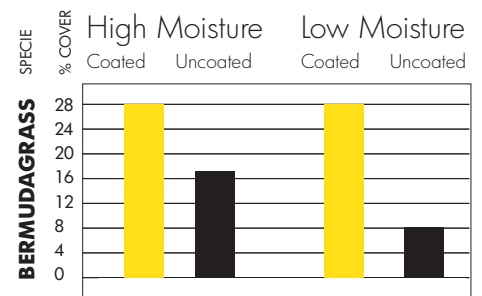
Barenbrug conducted two extensive studies on seed coating with Bernd Leinauer at New Mexico State University. Bermudagrass coated with our proprietary Yellow Jacket coating showed better germination and establishment than uncoated seed. The chart below shows the results from this trial. The high moisture trial was set at 98% of evapotranspiration while the low moisture trial was set at 56% of evapotranspiration. This trial work indicated the coated seed establishes faster and maintains ground cover better than the uncoated seed.

The Ohio State University Seed Coating Trial

Pam Sherratt conducted a study with grass seed coatings. She found that Yellow Jacket with Zeba was beneficial. The coated seed was not as disease prone as the uncoated entries, particularly when the coating contained a fungicide. Whereas fungicide usually washes off the seed too quickly to be of benefit, the Zeba coating held the fungicide longer.

TRIAL DATA

New Mexico State University - % Cover 92 Days after seeding



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