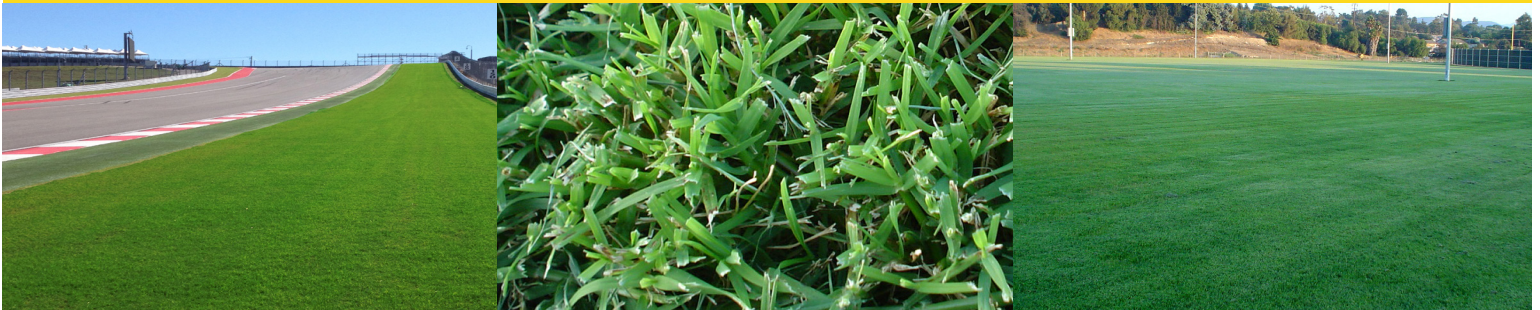


# PANAM

bermudagrass seed mixture



PanAm is a proprietary seed mixture of three high quality, turf-type bermudagrass varieties. Offering greater adaptability and versatility for varying climate and maintenance conditions, PanAm is a proven performer.

The three varieties that comprise PanAm offer exceptional wear tolerance and are ideal for high traffic locations such as sport turf, parks and playgrounds, and golf course fairways, tees, roughs, and driving ranges. PanAm also provides home lawns with a beautiful, bermudagrass turf.

Enhanced with Barenbrug's exclusive Yellow Jacket coating process, PanAm seed holds moisture for a more uniform, successful germ. An added nutrient package plus the fungicidal protection of Apron XL helps insure quick establishment, healthier deeper roots with faster coverage and use.

## MAKE PANAM YOUR BERMUDA CHOICE

- Very heat tolerant with low water requirements
- Three way mixture for increased adaptability to site and climate
- Moderately cold tolerant
- Dark green, fine textured, with excellent uniformity
- Enhanced with Yellow Jacket coating process including super-absorbant, nutrient package and Apron XL
- Seeded PanAm is significantly easier and more economical to establish than hybrid bermuda sprigs
- Yellow Jacket enhances ease of seeding through higher seed visibility with higher bulk density for more uniform application. Yellow Jacket enhanced PanAm is compatible with hydroseeding



**YELLOW JACKET**<sup>®</sup>  
ENHANCED SEED COATING



# PANAM

bermudagrass seed mixture

PanAm is a mixture of three improved, turf-type bermudagrass varieties. Enhanced with Barenbrug's exclusive Yellow Jacket seed coating, PanAm will germ and establish when establishment conditions are less than optimum. See sidebar for more information.

## SEEDING AND MAINTENANCE INSTRUCTIONS:

- ▶ **SEEDING RATE:**
  - ▶ New Turf Establishment: 1-2 lbs per 1000 sq. ft.
  - ▶ Overseeding existing turf: 1 lb per 1000 sq. ft. Insure good seed to soil contact for maximum germination.
- ▶ **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:** Best planted in mid-spring and depending upon location, through August / mid-September. Ideally soil is best prepared to a depth of 6" with a 0.5" deep seed bed. Best seeded with a broadcast seeder or on larger areas, a hydroseeder.
- ▶ **GERMINATION & ESTABLISHMENT:** Keep seedbed consistently moist for faster, uniform germination. Under ideal conditions, germination will begin in 10-14 days with complete germ within 18 days. Provide ample water for full establishment within 6-8 weeks.
- ▶ **FERTILIZATION:** A quality starter fertilizer used at recommended rates is best at seeding. As bermudagrass thrives on Nitrogen during establishment, apply a minimum of 1 lb N per 1000 sq. ft during the first 3 months. Thereafter, approximately 4 lbs N per 1000 sq. ft. per growing season.
- ▶ **MOWING:** First mowing should occur approximately 4 -6 weeks after seeding. For best quality, mow with a reel mower, 0.5 - 0.75". For rotary mowers, mow at lowest setting. Best traffic tolerance and density achieved at 1" or lower.
- ▶ **WATERING:** Once established, bermuda is best watered deep and infrequently, dependent upon soil type and use. Deep watering encourages deeper rooted, more drought tolerant turf.
- ▶ **FALL OVER-SEEDING:** Bermudagrass is best NOT over-seeded the first year, especially on late summer seedings. Once fully established, Barenbrug's Turf Star perennial ryegrass mix or SOS Turf-Annual mixtures provide a safe winter-spring playing surface with beautiful color during dormancy.



PLANT A LEGACY.

### Yellow Jacket Enhanced Seed Coating

Yellow Jacket, Barenbrug's proprietary seed coating, utilizes 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, requiring less water, shorter frequency of irrigation, and reduced costs for water and labor.

### 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 seed was not as disease prone as the uncoated entries, particularly when the coating contained a fungicide. Generally fungicide usually washes off the seed too quickly to be of benefit, our coating held the fungicide longer.

## TRIAL DATA

New Mexico State University - % Cover 92 Days after seeding

