the PENNINGTON STORY

**PENNINGTON “ROOTS”**
Pennington’s story began in a small seed store on Main Street in Madison, Georgia in 1945. Brooks Pennington, Sr., the company’s founder, originally started out supplying the local farmers and ranchers with quality cotton, soybean and agricultural grass seeds.

**GROWING WITH PENNINGTON**
As Brooks Pennington, Jr. began running the business, Pennington moved out of the retail business and set its sights on supplying agricultural seed to retailers across the southeastern U.S. The company began to concentrate on the grass seed business, first for pastures and forage products and later for lawns and turf. As the company’s grass seed business grew, Pennington found itself growing the best grass seed on the market. Over the years, Pennington extended its growing facilities into Missouri, Arizona and Oregon.

**PENNINGTON TODAY**
Today, Pennington is a part of the Central Garden & Pet Company (NASDAQ: CENT) family of brands, with over 1,000 employees and over 16,000 dealers worldwide.
Grass seed has become our expertise over the last several decades, and we remain dedicated to providing the finest grass seed in the industry. We have close relationships with our farmers who produce high-quality grass seed. With tens of thousands acres of grass farms in Oregon alone, it’s important we give back to the farmers that give to us.
Not only do we grow our grass in the U.S., but we have one of the largest private grass seed research facility in the country, NexGen Turf Research. Along with partnerships at various universities, our research-based breeding program enables us to grow only the best grasses science can deliver to the global market.

Cultivating your trust for three generations by providing the finest grass seed you can buy.

To learn more about Pennington Seed, visit: export.pennington.com
For additional information on Central Garden and Pet Company please visit: central.com
Since 1945, Pennington Seed has been one of the largest grass seed manufacturers and distributors in the world. In the last fifteen years, Pennington has exported over 200 million pounds of seed to 100 different countries. Export products include turf, forage and reclamation grasses.

GLOBAL DISTRIBUTION IN OVER 20 COUNTRIES

Australia
Brazil
China
Colombia
France
Germany
Italy
Japan
Jordan
Mexico
New Zealand
Russia
Saudi Arabia
South Africa
South Korea
Spain
Taiwan
Turkey
Uruguay
Venezuela
Vietnam

**QUALITY GRASS SEED FOR EXPORT**

How do we know Water Star® qualified grass seed saves water?

Water Star® grass seed varieties are proven to use significantly less water based on independent testing performed by the Turfgrass Water Conservation Alliance.

What is Water Star® qualified grass seed?

As demand for water increases, the use of water applications on landscapes has come under increased scrutiny. As a result, Pennington Seed has committed to the research and development of Water Star® qualified Grass Seed; high quality turfgrass varieties that thrive with significantly less water.

**REQUIRES UP TO**

- 50% LESS WATER*
- OUTSTANDING HEAT & DROUGHT TOLERANCE combined with excellent turfgrass quality
- STAYS GREEN LONGER when other lawns go brown*
- SAVES MONEY

*Data on file
**Versus ordinary grass seed
Seed varieties with the Turfgrass Water Conservation Alliance® services logo and the Water Star® Qualified Grass Seed icon demonstrate a statistically significant water saving potential over conventional varieties of the same species.
• Highly resistant to stem rust
• Good drought tolerance
• Very good overall turf quality
• Consistent and even genetic coloring
• Overall medium plant height

• Improved resistance to Brown Patch, Dollar Spot and Leaf Spot
• Exceptionally dark green with reduced vertical growth rate
• Persistent under drought conditions
• Good performance under low fertility
• Greener turf into the winter months

• Good performance under low fertility and in shade
• Persists in drought conditions
• Improved resistance to Brown Patch, Dollar Spot and Leaf Spot
• Good frost tolerance and winter hardiness
• Exceptional dark green color with reduced vertical growth
• Early spring green-up and will hold color into late fall

• Exhibits excellent drought tolerance
• bred for disease resistance
• Performs very well under heat stress
• Outstanding performance under low fertility and poor soil conditions
• Dark green even coloring

• Outstanding performance under low fertility and poor soil conditions
• Persists in drought conditions
• Exceptionally dark green variety with reduced vertical growth rate
• Improved resistance to Brown Patch, Dollar Spot and Leaf Spot
• Good frost tolerance and winter hardiness

• Selected in the Southeast US and requires less irrigation
• Finer and dark green texture
• Improved disease resistance
• Outstanding wear tolerance and recovers well from high traffic
• Early spring green-up and holds color into late fall

• Improved disease resistance
• Outstanding even color
• Superb fine texture
• Dwarf upright growing characteristics
• Admirable drought tolerance

• Shows good persistence under heat stress
• Great tolerance under drought conditions
• Extended Root length reduces water need
• Increased root mass for a stronger more stable plant
• Excellent density with reduced vertical growth rate
**TALL FESCUE**

- Exceptional turf quality
- Enhanced drought and summer stress tolerance
- Dark-green color and fine leaf texture
- Superior brown patch resistance
- Medium to low growing with fine leaves

- Shade tolerant ideal for home lawns, parks and sod production
- Outstanding color and wear tolerance
- Early spring green-up and holds color into the fall
- Superb fine texture with dwarf growing characteristics
- Improved disease resistance
- Admirable drought tolerance

- Deep roots provide great drought tolerance
- Bred for significant Brown Patch resistance
- Very dark green color
- Produce turf with great density and fine leaves
- Lower growing profile
- Enhanced turf performance

- Displays great drought tolerance
- Dark green and fine leaf
- Earlier maturity with short plant height
- Greater density
- Greater tolerance of close mowing

- Increased root depth for improved drought tolerance
- Brown Patch resistance
- Low growing profile with finer leaves
- Great tolerance of close mowing
- Increased density with an even, dark green coloring

- Developed through the Extended Root process requiring less water
- Strong Brown Patch resistance
- Reduced overall plant height
- Exhibits moderate winter tolerance
- Tolerant of shade stress

- Resistant to Grey Leaf Spot, Net Blotch and Brown Patch
- Improved summer turf performance
- Good frost tolerance and winter hardiness
- Persists in drought and low fertility conditions
- Mixes well with Bluegrass
- Excellent resistance to Cinch Bugs and Aphids
- Improved drought tolerance
- Excellent overall turf quality
- Semi-erect with stable medium-dark green coloring
- Medium to late maturity
- Better tillering than similar varieties

- Highest rated perennial for wear tolerance
- Strong drought tolerance
- Very good Grey Leaf Spot resistance
- Good winter color and turf cover
- Great overall turf quality

- Improved resistance to Grey Leaf Spot and insects
- Holds up well under summer heat and drought
- Remarkable wear tolerance and superior year-round density
- Good winter color retention with excellent spring green-up

- Strong drought tolerance
- Outstanding wear tolerance
- Good Grey Leaf Spot resistance
- Excellent winter cover and quality
- Superb overall genetic color

- Uniform dark green color
- Selected for deep roots to improve water efficiency
- Tolerant of heat stress
- Enhanced Grey Leaf Spot resistance
- Improved insect resistance

- Very dark blue-green color, fine textured
- Excellent overseeding performance in warmer climates
- Improved Grey Leaf Spot and Crown Rust resistance
- Outstanding heat tolerance in transition and northern zones
- Shows more shade tolerance than compared varieties
PERENNIAL RYEGRASS

- Significant drought tolerance
- Excellent turf density and quality
- Outstanding overall turf cover
- Medium-dark green coloring
- Reduced need for fertilizer

- Fine textured leaf with good turf density
- Moderate drought and wear tolerance
- Will perform well with medium shade
- Excellent transition in spring when used in overseeding warm season grasses

- Superior Leaf Rust, Brown Patch and Red Thread resistance
- Excellent fall performance with great winter color retention
- Dark blue-green color
- Fine-textured leaves and dense turf
- Good performance under low maintenance conditions

- Tremendous presence with the vibrant green color
- Exceptional cold weather color retention
- Astonishing year-round density
- Improved disease, drought, and traffic tolerance
- Reduced fertilizer use to achieve the desired turfgrass color
• Exceptional sod strength with high tiller density
• Great summer heat and drought tolerance
• Strong performer with low fertility and irrigation
• Excellent spring green-up and summer color
• Strong overall disease resistance

• Strong performance with low irrigation and fertility
• Great summer heat and drought tolerance
• Excellent winter color and spring green-up
• Strong overall disease resistance

• Excellent color ratings
• 1st class spring green-up and summer density
• Strong performance with low fertility
• Impressive summer heat and drought tolerance
• Robust overall disease resistance

• Highly drought resistant
• Significant Dollar Spot resistance
• Great turf quality during drought stress
• Very dark green coloring
• Shorter plant height than most Bluegrasses
<table>
<thead>
<tr>
<th><strong>Bermudagrass</strong></th>
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<tbody>
<tr>
<td><strong>Bermuda Triangle</strong></td>
<td><strong>SAHARA TURF-TYPE BERMUDAGRASS</strong></td>
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</table>
| • Dark green color with medium fine texture  
• Improved cold tolerance  
• Excellent drought tolerance  
• Increased turf density for wear and durability  
• Wide range of adaptation due to genetic diversity | • Improved overall turf performance  
• Increased durability and wear tolerance  
• Reduced plant height but with increased density  
• Low in thatch and lower mowing heights with less scalping  
• Medium-fine texture with dark green color |
| **Mohawk** | **SAHARA II TURF-TYPE BERMUDAGRASS** |
| • Remarkable cold tolerance to survive winter conditions better than most bermudagrasses  
• Superb durability  
• Increased turf density and performance  
• Medium fine leaf texture, dark green color  
• Good seedling vigor | • Improved over Sahara  
• Medium texture with dark green color  
• Excellent drought tolerance  
• Great turf quality and density  
• Excellent wear tolerance |
| **PRINCESS.77** | **Sultan** |
| • Outstanding drought tolerance  
• Requires 21% less water than Tifway and better divot recovery  
• Dark green color and excellent fall color retention  
• Medium fine leaf texture with high leaf density  
• Higher overall turf quality than all commercial seeded varieties in U.S. and International tests | • Improved turf quality and increased density  
• Medium fine leaf texture with a dark green color  
• Excellent performance on low pH soil with increased fertilizer efficiency  
• Better durability and wear tolerance and excellent ball support  
• Good drought tolerance and moderate cold tolerance |
| **Royal Blend** | **Sydney** |
| • Improved disease resistance  
• Fine texture with increased turf density  
• Dark green color  
• Excellent drought tolerance  
• Improved wear and durability | • Improved turf density  
• Excellent drought and heat tolerance  
• Good wear and salt tolerance  
• Medium-fine leaf texture  
• Good seedling vigor |

For more information, go to: [www.seedswest.com](http://www.seedswest.com)
FINE FESCUE

• Improved drought tolerance
• Great shade tolerance
• Bred for Red Thread resistance
• Good consistent coloring, even during winter
• Low maintenance and shorter plant height

ASC295

• Outstanding disease resistance
• Increased drought and heat tolerance
• Moderately green variety with reduced vertical growth rate
• Requires little maintenance (i.e. fertility or mowing)
• Improved shade tolerance and summer density
• Mixes well with other low maintenance species

MERLOT

• Drought tolerant
• Excellent shade tolerance
• Improved summer density
• Increased disease resistance
• Blends well with other fescues for low maintenance applications

PREDATOR

• Drought tolerant
• Great shade tolerance
• Improved turf density and maturity
• Higher resistance to Dollar Spot
• Bred for resistance to Red Thread

Razor

• Drought tolerant
• Great shade tolerance
• Improved turf density and maturity
• Higher resistance to Dollar Spot
• Bred for resistance to Red Thread

Survivor

• Drought tolerant
• Great shade tolerance
• Improved turf density and maturity
• Higher resistance to Dollar Spot
• Bred for resistance to Red Thread
FORAGES

PASSEREL plus
Annual Ryegrass

- High Yielding
- High Quality
- Rust Resistant
- Cold Tolerant
- Late Maturing
- Rapid Re-growth
- Reliable and Consistent

- Formulated mixture of Giant and Common Bermudagrass with hulled and unhulled seeds
- Extreme heat tolerance and spreads rapidly
- Alkali and drought tolerant
- Produces high yields of fine stemmed hay or green chop
- Ready to graze 45-50 days after seeding

Tierra Verde Bermudagrass

- Ideal for pastures and hay
- Highly palatable with crude protein of 15%-16%
- Superior ability to withstand harsh summer conditions
- Good for all types of livestock
- Best adapted for clay or clay/loam soils
- Tolerant to acid soils and poor drainage
- Endophyte free

jesup tall fescue

TURF

- Bahiagrass
  Pensacola
  Argentine
- Common Bermudagrass
  Hulled
  Unhulled
- Buffalograss
- Carpetgrass
- Centiepede

- Chewings Fescue
- Creeping Red Fescue
- Dichondra Repens
- Kentucky Bluegrass
- Lespedeza Sericea
- Perennial Ryegrass
- Poa Trivialis
- Tall Fescue

FORAGE

- Alfalfa
  CUF 101
- Annual Ryegrass
  Diploid
  Tetraploid
- Bahiagrass
  Pensacola
  Argentine
- Clover
  Crimson
  Kenland
  Medium Red
  White
  White Dutch

- Common Bermudagrass
  Hulled
  Unhulled
- Fawn Tall Fescue
- Kentucky 31 Tall Fescue
- Orchardgrass
- Piper Sudangrass
- Weeping Lovegrass