

Professional Turf **Product Guide**



Wholesale Supplier for Erosion Control, Landscape, Sports Turf and Sod Markets

Erosion Control | Reclamation | Sod | Landscape | Sports Turf | Golf

WWW.PENNINGTON.COM/PRO-TURF
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A close-up shot of a person's hand holding a pressure washer nozzle. The nozzle is spraying a powerful stream of water towards the right. In the background, a house with a gabled roof is visible under a clear blue sky. The overall scene suggests a cleaning or maintenance activity.

PRODUCT
REFERENCE

PRO TURF
MARKET
SEGMENTS



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the **PENNINGTON** STORY

PENNINGTON “ROOTS”

Pennington’s story began in 1945 as a small seed store on Main Street in Madison, Georgia. 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 furthered its commitment to excellence by growing the best grass seed on the market. Over the years, Pennington extended its growing facilities into Missouri, Arizona and eventually to the fertile Willamette Valley in Oregon.

PENNINGTON TODAY

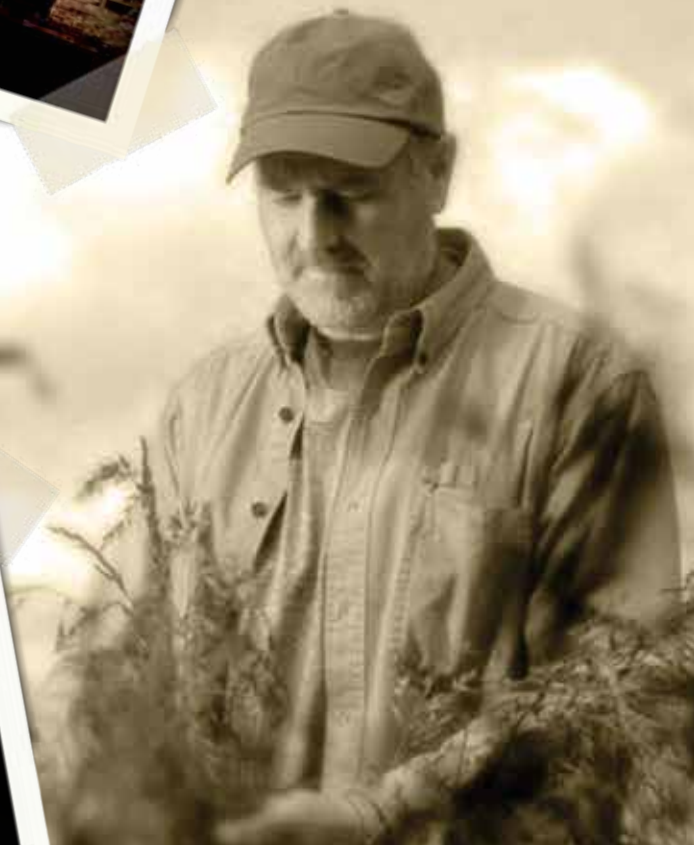
Today, Pennington is a part of the Central Garden & Pet Company (NASDAQ: CENT) family of brands, with over 1,000 employees and over 16,000 dealers worldwide.

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 of 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.

For general inquiries and product questions, email proturfsolutions@penningtonseed.com or call 1-800-588-0512

To learn more about Pennington and the Professional Turf division, visit: pennington.com/pro-turf
For additional information on Central Garden and Pet Company please visit: central.com



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



RESEARCH & DEVELOPMENT

Investing In Our Commitment

To further its commitment to superior drought tolerant grass seed, in 2007 Pennington acquired NexGen Turf Research, the largest private grass research facility in the U.S.A., located in Oregon's Willamette Valley.

Renamed NexGen Plant Science Center in 2020, most of Pennington's grass seed is developed at NexGen and grown by Oregon farmers Pennington knows and trusts.

NexGen Plant Science Center

NexGen Plant Science Center is comprised of three distinct research units. The Turfgrass Research unit is dedicated to developing grasses with better turf quality, drought tolerance, stress tolerance and pest and disease resistance. Our Controls Research division provides reliable testing of fertilizers, fungicides, insecticides and moss control

product to support research development, product comparisons, efficacy, functionality, performance and product claims. Both units are supported by our Product Testing group which is focused on scientifically trialing and documenting the competitiveness, effectiveness, functionality, and performance of new innovative products.

The main campus in Albany, Oregon is the hub for diverse turf and products research. NexGen R & D utilizes 160 acres, 6 greenhouses and 2 laboratories for turf and products testing. Additionally, NexGen has partnered with Middle Fork Research, LLC near Fayetteville, Arkansas. This site provides 50 acres of warm-season and cool-season turf trialing. Product research also trials at this site on 30 dedicated acres. R & D extends beyond the Arkansas and Oregon research sites with cooperative testing being conducted with leading universities and private enterprises across the United States.



WHAT IS WATER STAR?

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.

BENEFITS OF WATER STAR® QUALIFIED GRASS SEED



Outstanding drought and heat tolerance combined with excellent turfgrass quality.



Stays green up to 3 weeks without water when other lawns go brown.



Save time and money with less water and fertilizer inputs.



Increased water conservation benefits the environment.



Home owners can save up to 30,000 gallons of water every year*.

HOW DO WE KNOW WATER STAR® GRASS 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®.



For more information visit TGWCA.org

**Based on average family home, dependent on region.*

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Water Star®

QUALIFIED GRASS SEED

High Quality Turfgrass with
Industry Leading Drought Tolerance



GRASS SEED

Quality and Service

Whether it's a sports field, roadside construction, reclamation project, or sod farm, Pennington offers high quality seed backed by years of research. Pennington's Professional Turf Team has the technical background and product knowledge to specify any job or project site, giving you the best options for a successful vegetative stand.

Soil Testing

Choosing the right seed is crucial to the success of your planting, however, soil testing is the first step in achieving success. Pennington offers free soil testing and analysis from a certified lab.

Custom Seed Mixing

Pennington has the capability to blend a custom seed mixture that is best suited for your region and job site requirements.

Seed Technology



Water Star Qualified Grass Seed demonstrates a statistically significant water-saving potential over conventional varieties of the same species

(for more information, see page 7)



Seed enhancement technology that reintroduces beneficial, natural micro-organisms that promote a deep, dense root system



Penkoted® seed technology contains fungicide that protects seed while in the ground, improving its ability to grow into a healthy plant

TALL FESCUE BLENDS/MIXTURES

SMART SEED TRI FESCUE BLEND | 50 LB



- Persistence under high heat and drought conditions
- Dark green color with reduced vertical growth rate
- Brown Patch and Leaf Spot disease resistance

SMART SEED ATHLETIC FIELD MIX | 50 LB



- Outstanding performance under low fertility and poor soil conditions
- Resistance to Brown Patch, Dollar Spot, and Leaf Spot
- Persistence under high heat & drought conditions
- Frost tolerance and winter hardiness

SMART SEED PRO TALL FESCUE & BLUEGRASS MIX | 50 LB



- Persistence under high heat and drought conditions
- Excellent green color with reduced vertical growth rate
- Brown Patch and Leaf Spot disease resistance

SIGNATURE SERIES BLEND | 25 LB AND 50 LB

- Dark green color, fine texture and disease resistant
- Good seedling vigor & high tiller density
- Tolerates low water input and heavy traffic wear
- Outstanding performance in the transition zone

WINTER GREEN (80% FESCUE 20% TETRAPLOID RYEGRASS BLEND) | 50 LB



- Low-growing, dark green with winter active ryegrass
- Drought and traffic tolerant
- Rapid establishment and disease resistant
- Performs well throughout transition zone

OTHER:

PRODUCT	SIZE
Athletic Field Mix	50 lb
Fawn	50 lb
Landscapers Choice Contractors Mix	50 lb
Tri-Fescue	50 lb
VNS Tall Fescue (non-turf type)	50 lb



TRI FESCUE BLEND



ATHLETIC FIELD MIX



TALL FESCUE & BLUEGRASS



TALL FESCUE VARIETIES

BROCKTON | 50 LB

- Disease resistant (Brown Patch, Dollar Spot, Leaf Spot)
- Good color, uniform cover, top quality performance
- Reduced vertical growth rate
- Extended root technology
- Drought tolerant
- Shade & traffic tolerant

Brockton
Turf Type Tall Fescue

GREYSTONE | 50 LB

- Excellent drought tolerance
- Uniform cover and good density
- Disease resistant (Brown Patch)
- Performs well during winter months
- Frost tolerant
- Reduced vertical growth

Greystone
Turf Type Tall Fescue

JESUP MINUS (FORAGE) | 50 LB

- Ideal for hay or grazing, highly palatable, good for all types of livestock
- Crude protein: 15% - 16%, total digestible nutrients: 60% - 62%
- Superior ability to withstand harsh summer conditions
- Best adapted for clay and clay/loam soils
- Tolerant to acid soils and poor drainage
- Endophyte free

jesup
tall fescue

JUSTICE | 50 LB

- Excellent drought tolerance
- Salt tolerant
- Shade & traffic tolerant
- Top quality, dark color, fine leaf texture
- Dwarf upright growth
- Disease resistant (Brown Patch)

JUSTICE
Turf Type Tall Fescue

PENNINGTON ATF 1376 | 50 LB

- Excellent drought tolerance
- Disease resistant (Brown Patch)
- Good density, uniform cover and top quality
- Shade and traffic tolerant
- Deep roots, increased nutrient uptake
- Good performance during winter months

ATF 1376
Elite Turf Type Tall Fescue

PENNINGTON ATF 1258 | 50 LB

- Excellent drought tolerance
- Spring green cover
- Disease resistant (Brown Patch)
- Retains color during winter
- Good turfgrass density
- Performs well under heat stress and low fertility

ATF 1258
Elite Turf Type Tall Fescue

PENNINGTON ATF 1254 | 50 LB

- Excellent drought tolerance
- Dark color and top quality performance
- Persists well under heat stress
- Traffic tolerant
- Great winter performance
- Excellent density with reduced vertical growth rate

ATF 1254
Elite Turf Type Tall Fescue

RK4 | 50 LB

- Excellent drought tolerance and drought recovery
- Top quality performance, good winter color and summer density
- Disease resistant (Brown Patch and Pink Snow Mold)
- Traffic tolerant
- Fine leaf texture
- Frost tolerant

RK4
Elite Turf Type Tall Fescue

REBEL IV | 50 LB

- Shade tolerant
- Traffic tolerant
- Disease resistant (Typhula Blight & Phythium)
- Spring green-up
- Good quality turfgrass performance
- Retains winter and fall color



REBEL ADVANCE | 50 LB

- Drought tolerant
- Disease resistant (Brown Patch)
- Dark color, fine leaf texture, and rapid establishment
- Traffic tolerance
- Upright growth habit allows for more airflow to reduce disease pressure
- Low cutting height tolerant, does not thin at 1.5" – 2.5"



REBEL V | 50 LB

- Disease resistant (Brown Patch)
- Shade & traffic tolerant
- Dark color and fine leaf texture
- Drought tolerant
- Summer stress resistant
- Good fall and winter color, with quick spring green-up



REBEL XTRME | 50 LB



- Excellent drought tolerance
- Dark color and good density
- Disease resistant (Brown Patch)
- Rapid establishment, good seedling vigor and high tiller density
- Traffic tolerant
- Low cutting height tolerant, does not thin at 1.5" – 2.5"



REBEL XLR | 50 LB



- Excellent drought tolerance
- Disease resistant (Brown Patch)
- Deep roots, increased nutrient uptake
- Traffic tolerant
- Good color retention during winter months
- Early maturity with short plant height



OTHER:

PRODUCT

Kentucky 31

SIZE

50 lb

PENNINGTON

SPECIFICALLY DESIGNED FOR THE NEEDS OF PROFESSIONALS

- Exceptionally high turf quality and density
- Water Star® varieties require up to 40% less water than ordinary grass seed
- Persistent turfgrass quality under heavy use

Water Star
QUALIFIED GRASS SEED

To learn more about our selection of professional turfgrass products:
CALL: 1.800.588.0512 | EMAIL: proturfsolutions@penningtonseed.com

RYEGRASS BLENDS/MIXTURES

SMART SEED PRO RYEGRASS | 50 LB



- Deep green color year-round
- Drought and traffic tolerant
- Rapid establishment



SMART SEED PRO RYEGRASS



TREK TETRAPLOID

TREK TETRAPLOID | 50 LB

- Drought tolerant, year-round color and quality
- Disease resistant to Red Thread and Gray Leaf Spot
- Color, cover, and quality winter performance

TRI-PLEX | 25 LB & 50 LB

- High and low temperature stress tolerance
- Excellent choice for athletic fields, tees and fairways
- Dark green color that looks good even when fertilizer levels run low



TRI-PLEX



SUNRISE PRIMO

SUNRISE PRIMO | 50 LB



- High density, fine texture, and rapid establishment yet will transition in the spring when utilized as an over seeding for warm season grasses
- Provides a high percentage of coverage yet produces fewer clippings
- Greater disease, insect and stress tolerance

PROFESSIONAL SELECT BLEND | 50 LB

- High and low temperature stress tolerance
- Perfect for athletic fields, fairways, and for both greens & tees
- Dark green color persists when fertilizer levels run low



SELECT BLEND

OTHER:

PRODUCT	SIZE	PRODUCT	SIZE
Annual Rye	50 lb	Applaud II	50 lb
Perennial Rye	50 lb	1G ²	50 lb
Royal Flush Blend	50 lb	Soprano	50 lb
Pennington APR 2154 	50 lb	Shining Star	50 lb
Pennington APR 2190 	50 lb	Integra	50 lb

BLUE GRASS

ARIES | 50 LB

- Early spring green-up and traffic tolerant
- Winter performance and resistant to summer patch
- Seedling vigor



RIDGELINE | 50 LB

- Drought tolerant, uniform cover, dark color and top quality
- Disease resistant to Leaf Spot
- Winter performance and quick establishment



OTHER:

PRODUCT	SIZE
Blue Bonnet	50 lb
85/80 Kentucky Bluegrass	50 lb
98/85 Kentucky Bluegrass	50 lb
Wild Horse	50 lb
Midnight	50 lb

BENTGRASS

13M | 25 LB

- The most Dollar Spot resistant variety on the market today
- Provides outstanding summer density



FINE FESCUE

RAZOR FESCUE | 50 LB

- Increased stress and heat tolerance
- Excellent tolerance to heavily shaded areas
- Creates excellent permanent turf that thrives in shady, cool, damp areas



PREDATOR HARD FESCUE | 50 LB

- Moderately dark green variety with reduced vertical growth rate
- Resistance to Brown Patch, Dollar Spot and Leaf Spot
- Good performance under low fertility and persistence under drought conditions



SURVIVOR CHEWINGS FINE FESCUE | 50 LB

- Drought and shade tolerant
- Maintains cover, dark color and top quality
- Dollar Spot resistant

OTHER:

PRODUCT	SIZE
Hard Fescue	50 lb
Creeping Red Fescue	50 lb
Lustrous Creeping Red Fescue	50 lb
Pennington ASC295 Creeping Red Fescue	50 lb

BERMUDAGRASS

ARDEN 15 | 25 LB

- Excellent quality, cover, density and color
- Fine leaf texture and reduced scalping
- Planted in transitional areas with rapid growth and early spring green-up

SMART SEED PRO BERMUDAGRASS | 25 LB

- Exceptional turf quality and density
- Superior dark green color
- Outstanding drought tolerance
- Excellent wear tolerance

BERMUDA TRIANGLE | 25 LB

- Dark green color, medium fine texture
- Excellent drought tolerance
- Increased turf density for wear and durability
- Wide range of adaptation due to genetic diversity



ARDEN 15



SMART SEED PRO BERMUDAGRASS



BERMUDA TRIANGLE

OTHER:

PRODUCT	SIZE
Mohawk 	25 lb
Sahara II 	50 lb
Hulled & Unhulled	
Tierra Verde 	25 lb
Common Bermudagrass	50 lb
Hulled & Unhulled	

ZOYSIA/CENTPEDE

ZENITH

- Spreading, sun-loving grass that stays green later into fall
- Excellent traffic tolerance and good drought tolerance
- 99.9% weed-free

CENTPEDE

- Low-maintenance lawn that requires less fertilizer and fewer mowings
- Spreading, sun-loving, turf-producing grass with a medium texture and bright green color
- 99.9% weed-free

RECLAMATION

SLOPEMASTER | 25 LB

- Permanent and sustainable soil cover
- Formulated specifically for your area
- Advanced seed treatment technology
- Technologically advanced seed varieties
- Easy to plant
- Low maintenance
- Contains the durable, persistent white clover Durana*



DURANA CLOVER*

- Cool season legume that can be planted year-round with nurse crops
- 97 stolons per sq. ft.
- 150 lbs per acre of nitrogen annually
- Improves soil tilth and organic mat

ECOLOGY MIX | 50 LB

- Contains 80% Hard Fescue and 20% Chewings Fescue
- Drought tolerant and disease resistant
- Grows to 12-14 inches and develops attractive seed heads that will give a "meadow effect"
- Requires little to no N after establishment



CONTRACTOR'S MIX | 50 LB

- Provides quick, dense coverage for sunny to partly shaded areas
- Formulated and mixed specific to the region where it is sold



MISCELLANEOUS

PRODUCT	SIZE
Climax Timothy	50 lb
Crimson Clover	50 lb
Laser Poa Trivialis	50 lb
Medium Red Clover	50 lb
Common Orchardgrass	50 lb
Hallmark Orchardgrass	50 lb

PRODUCT	SIZE
Olympia Orchardgrass	50 lb
Potomac Orchardgrass	50 lb
Redtop Millet	50 lb
White Dutch Clover	50 lb
Ladino White Clover	50 lb

NATIVE GRASS & WILDFLOWER



RECLAIM MIXES ARE OFFERED IN A VARIETY OF SIZES, FROM 5 LB TO 50 LB

RECLAIM DAMP MIX

- Designed for revegetating and stabilizing disturbed sites
- Good for low-maintenance areas in moist soils

RECLAIM WETLAND MIXTURE

- Designed for use in wetland areas
- Provides an attractive, persistent cover

RECLAIM DRY MIXTURE

- Designed for revegetating and stabilizing disturbed sites
- Good for low-maintenance areas in dry soils

RECLAIM GREAT PLAINS MIXTURE

- Heat and drought tolerant
- Perfect for low-maintenance lawns

RECLAIM NATIVE GRASS MIXTURE

- Broadly adapted native mixture
- Drought tolerant
- Tolerates poor soil conditions and provides a habitat for wildlife

RECLAIM NATIVE ROUGH MIXTURE

- Low growing mixture is designed for use on golf courses
- Provides an attractive, fine-textured low-maintenance cover
- Reminiscent of old Scottish links

RECLAIM NATIVE SHORTGRASS MIXTURE

- An attractive low growing mixture
- Superior heat and drought tolerance
- Perfect for use on golf course tee banks

RECLAIM SONGBIRD GRASS WILDFLOWER MIXTURE

- A colorful native wildflower and grass mixture
- Attractive to songbirds
- Includes predominantly perennial wildflowers for long-term persistence

RECLAIM SOUTHEAST NATIVE MIXTURE

- Native grass mixture
- Specially designed for conditions in the southeast



FERTILIZER

Pennington takes great care in providing safe and effective products for healthy turfgrass. The Pro Care fertilizer line contains only the best material and ingredients formulated for lawn care, landscape, sports fields, golf and specialty turf markets.

TURF FERTILIZERS

22-00-11 50% UFLEXX®, 3% IRON

- Delivers a reliable, medium-duration source of nitrogen for maximum application flexibility
- Provides consistent nitrogen feeding for up to 6-8 weeks
- Specifically intended for turf uses where repeat application is desirable

32-03-08 25% UFLEXX®, 3% IRON

- Delivers a reliable, medium-duration source of nitrogen for maximum application flexibility
- Provides consistent nitrogen feeding for up to 6-8 weeks
- Specifically intended for turf uses where repeat application is desirable

18-24-6 25% UFLEXX®

- Controls nitrogen loss
- Delivers medium duration performance and consistent green color
- Performs across varying soil conditions (e.g. temperature, moisture)

15-25-5 30% NITROFORM, 27% NUTRI-PEL

- Slow release form of Nitrogen for up to 22 weeks
- Assists in more rapid root development
- Used as a pre-plant amendment



Pro Care Fertilizer



ORNAMENTAL FERTILIZERS

14-14-14 61% NITROFORM®

- Slow release form of Nitrogen for up to 22 weeks
- Assists in more rapid root development
- Used as a pre-plant amendment

All fertilizer products are sold in 50 LB bags

PRE AND POST-EMERGENT FERTILIZER

FERTILIZER WITH DITHIOPYR

BROAD SPECTRUM PRE-EMERGENT & EARLY POST-EMERGENT HERBICIDE

- For control or suppression of over 40 annual grassy and broadleaf weeds
- Controls crabgrass, goosegrass, kikuyugrass, chickweed, poa annua, barnyardgrass, oxalis, ryegrass, spurge

FERTILIZER WITH PRODIAMINE

BROAD SPECTRUM PRE-EMERGENT HERBICIDE

- Effectively controls Annual bluegrass
- Non-staining
- Controls crabgrass and 31 other problem weeds including: henbit, knotweed, chickweed, spurge, poa annua, foxtail, goosegrass

FERTILIZER WITH ECHELON®

PRE-EMERGENT HERBICIDE

- Prevents weeds from absorbing nutrients and converting energy into new weed growth
- Early post-emergent control of both crabgrass and goosegrass
- Provides pre-emergent control of yellow nutsedge and kyllinga for at least 100 days after application

FERTILIZER WITH OXADIAZON

BROAD SPECTRUM PRE-EMERGENT HERBICIDE

- Great for landscape ornamentals and spreader friendly
- For use in established Bermudagrass, St. Augustine grass and Zoysia
- Applied to both established and newly transplanted plants and both actively growing or dormant plants

FERTILIZER WITH LOCKUP®

POST-EMERGENT HERBICIDE

- Superior efficacy at extremely low use rates
- Apply to warm and cool-season turf
- No restriction on time of year when applications can be made

All fertilizer products are sold in 50 LB bags



Pennington 15-25-05 Green Agent

30% UF Nitrogen
27% Nutri-Pel Organics
DAP (Diammonium Phosphate)
Humic Acid, Calcium, Iron, and Sulfur



Green Agent 15-25-05

Pennington's newest solution creates the highest quality fertilizer offering in the construction industry. Unmatched in agronomic products for hydraulic seeding, Pennington's "Green Agent" is a new erosion control effort to bridge the gap between agricultural fertilizer products ill-suited for hydroseeding and expensive, cutting edge turf and ornamental fertilizer. The result is a unique, best-of-both-worlds product with distinct advantages for the construction market.

*50# bag, 200# minimum application rate per acre,
11,000 sq. ft. coverage.*

- Fertilizer blend contains no urea Nitrogen sources. This prevents fertilizer loss and seed die-off from urea off-gassing
- No filler reduces blend's particle size for reduced abrasion to hydraulic pumps
- Filler is replaced with a cutting-edge Nutri-Pel organic source for a more natural feeding + addition of essential micronutrients
- Water-Insoluble UF Nitrogen prevents up 30-40% of nitrogen in-tank solubility and immediate dispersion leaching upon application vs. common urea-based blends
- UF (Urea-Formaldehyde) is broken down by microbial activity, slowing down the nutrient release curve to better feed the plant during critical growth stages
- Nutri-Pel organic filler replacement contains 85% water-insoluble nitrogen and 1.5%Fe in a standard turf SGN size
- Nutri-Pel contains 3 of the top micronutrients needed for seedling growth, with 8.5% Humic Acid, 3.5% Calcium, and 1% Sulfur

LIQUID FERTILIZER

MONTY'S TURFVANTAGE® HUMIC LC 2.5GAL

- Use on lawns, specialty turf, sod, athletic fields, parks and green spaces, and for hydro-seeding
- Safe on all soil types ranging from light sandy soils to heavy clay soils
- Easy to use and application compatible with most liquid fertility, herbicide, insecticide and fungicide products

MONTY'S TURFVANTAGE® 4-5-2 PLUS 2/2.5GAL

- Use on lawns, specialty turf, sod, athletic fields, parks and green spaces, and in hydro-seeding
- Safe to use on all grasses and all soil types
- Easy to use and tank-mix compatible with most fertility, herbicide, insecticide and fungicide products.

MONTY'S TURFVANTAGE® MICROHANCE 2/2.5GAL

- Use on lawns, specialty turf, sod, athletic fields, parks and green spaces
- Safe to use on all established grasses and all soil types

MONTY'S TURFVANTAGE® 6-11-5 AP 2/2.5GAL

- Safe to use on all trees, shrubs, flowers and lawns when growth and plant vigor is desired
- Low application rates for cost effective use
- Easy to use, foliar application can be applied with hand held, backpack, or tank sprayer

MONTY'S TURF POWER SRN™ 2.5 GAL 13-2-6 W

- Includes 50% slow release nitrogen and other important nutrients and activated humics
- Used on all varieties of cool, transitional, and warm season turf in all growth phases
- Slow release allows more balanced long-term benefits



CHEMICALS

Pennington Pro Turf has partnered with a leading chemical manufacturer to supply commercial customers with a complete line of highly-effective products. Choose from a wide array of Quali-Pro® insecticides, herbicides, fungicides and plant growth regulators.

QUALI-PRO® HERBICIDES - PRE-EMERGENT

PRODUCT	SIZE
Dithiopyr 40 WSB	5 oz (4 ct)
Dithiopyr 2L	1 Gal
Prodiamine 65 WDG	5 LB
Prodiamine 4L	2.5 Gal
Oxadiazon 2G	50 LB
Oxadiazon SC	2.5 Gal
T/I 2.5 G	50 LB

HERBICIDES - POST-EMERGENT

PRODUCT	SIZE
2-D	1 Gal
2DQ	1 Gal & 2.5 Gal
3-D	2.5 Gal & 30 Gal
Fahrenheit	6 oz
Isoxaben 75 WG	1 LB
MSM Turf	2 oz & 8 oz
NEGATE 37WG	1.5 oz
Oryzanlin 4 PRO	2.5 Gal
Quinclorac 75 DF	1 LB
Quinclorac 1.5L	.5 Gal
Rimsulfuron 25 DF	5 oz
Sedgemaster	1.33 oz
Alligare Triclopyr 4 EC	2.5 Gal

INSECTICIDE & FUNGICIDE

INSECTICIDES

PRODUCT	SIZE
Abamectin 0.15 EC	1 Qt & 1 Gal
Bifenthrin G&N 7.9 F	1 Gal
Bifenthrin I&T	1 Gal
Chlorpyrifos 4E	2.5 Gal
Fipronil 0.0143G Broadcast	30 LB
Fipronil 0.1 G	50 LB
Imidacloprid 0.5G	30 LB
Imidacloprid 75 WSB	1.6 oz (4 ct or 88 ct)
Imidacloprid T&O 2F	1 Gal
Lambda GC-O	1 Qt
Taurus Trio G	30 LB
MANA Acephate 90 Prill	5 LB

FUNGICIDES

PRODUCT	SIZE
Strobe	1 LB & 6 LB
Strobe Pro	1 Gal
Strobe Pro G	30 LB
Chlorothalonil DF	10 LB
Enclave	2.5 Gal
Fosetyl-AI 80 WDG	5.5 LB
Ipro 2SE	2.5 Gal
Mefenoxam 2 AQ	1 Qt, 2 Gal & 2.5 Gal
Myclobutanil 20 EW T&O	1 Gal
Propiconazole 14.3	1 Qt, 1 Gal & 2.5 Gal
Tebuconazole 3.6F	1 Gal
TM/C WDG	5 LB
TM 85 WDG	5.5 LB
TM 4.5 Flowable	2.5 Gal

PLANT GROWTH REGULATORS

PRODUCT	SIZE
Ethephon 2 SL	2.5 Gal
T-NEX 1 AQ	1 Gal & 2.5 Gal

PIGMENT

PRODUCT	SIZE
Foursome Pigment	1 Gal & 30 Gal



SOIL AMENDMENTS

Soil testing is the first step in achieving a successful vegetative stand. Pennington offers free soil testing and analysis from a certified laboratory. The right balance of nutrients and pH can be achieved quickly with several highly-effective products.

SOIL AMENDMENTS

LIME, GYPSUM & OTHER NUTRIENTS

SOIL AMENDMENTS

FAST-ACTING LIME | 30 LB

- Starts working immediately
- Raises soil pH quicker than regular lime
- Encourages a healthier, thicker, greener lawn

NEUTRALIME | 40 LB

- Improves soil pH within 3 to 7 days after application
- Contains more calcium carbonate (CaCO_3) than liquid lime
- Extends maximum effectiveness up to 18 weeks

PROFILE AQUA-PHIX™ | 2.5 GAL

- Quickly decrease pH of soils to improve plant growth
- Reduce unwanted salts and reduce bicarbonates in the soil
- Loosen soils to improve water infiltration and promote root growth

PROFILE PROGANICS™ BIOTIC SOIL MEDIA™ | 50 LB

- Designed as a topsoil alternative that accelerates the development of depleted soils/substrates with low organic matter and nutrient levels
- Provides an abundant source of organic matter and soil-building components to quickly modify soil chemistry
- Saves time and money where the cost of topsoil is prohibitive

JUMPSTART | 2.5 LB

- Improves moisture infiltration and retention for faster, more complete germination and uniform stands of vegetation
- Promotes faster nutrient uptake and conversion to get plants off to a faster, stronger start
- Provides a hormonal plant response to maximize root development and plant stress tolerance
- Reduces soil compaction and salinity for deeper root penetration

BIO PRIME | 40 LB

- Biostimulant with 18-0-0 slow-release nitrogen, humic acid, seaweed extract and endomycorrhizae lasting up to 6 months
- Promotes the efficient delivery of micro- and macronutrients
- Decreases soil compaction and reduces plant stress





SOIL STABILIZATION

In addition to grass and native seed mixes, Pennington offers erosion control solutions that complement or enhance vegetative establishment on slopes. With products such as silt fencing, wattles, erosion control blankets, hydraulic mulch, and tackifiers, your erosion control needs are covered.

HYDRAULIC EROSION CONTROL

HYDRAULIC EROSION CONTROL PRODUCTS

PROFILE® FLEXTERRA® HIGH PERFORMANCE-FLEXIBLE GROWTH MEDIUM™ (HP-FGM™) | 50 LB

- The highest germination and growth establishment available
- Greater than 99% erosion control effectiveness immediately upon application
- 100% biodegradability, 100% recycled wood fiber

PROFILE® PROMATRIX™ ENGINEERED FIBER MATRIX™ (EFM™) | 50 LB

- Highest-loading formulation with BFM performance
- Class Leading erosion control effectiveness
- Lasting performance with a functional longevity of up to 12 months

PROFILE PROGANICS DUAL

- Designed as a topsoil and compost alternative that brings depleted soils back to life while providing highly effective erosion control in a single application
- Accelerates development of depleted soils and vegetative establishment while simultaneously providing highly effective erosion protection in a consolidated, one-step application
- Best suited for large project sites with poor soil conditions, low to moderate erosion potential (slopes up to 2H:1V) and sites with limited access where multiple applications add significant cost or are not feasible

PROFILE® CELLULOSE | 50 LB

- Fully biodegradable, hydraulic mulch composed of 100% recycled cellulose fibers
- Free from plastic netting
- Creates a porous and absorbent layer that enhances germination and plant growth

PROFILE® 70/30 BLEND | 50 LB

- Holds 13.5 times its weight in water and improving yield
- Uses heat and pressure to break wood down into more fibrous material with greater surface area
- Reduces soil erosion while improving turf coverage

PROFILE® 70/30 BLEND WITH TACK | 50 LB

- Contains three-dimensional blend of polymers and polysaccharide, proven to reduce soil erosion and water runoff immediately after hydroseeding.
- Flexibility of blend fiber combined with tackifier allows equipment to run efficiently and for more extensive hose work without clogs.
- Non-toxic and environmentally safe.

PROFILE® 100% WOOD | 50 LB

- 100% wood fiber holds twelve times its weight in moisture
- When mixed with seed and fertilizer, forms a homogeneous slurry that
- Ensures evenly distributed strands of grass
- Provides maximum soil coverage with its 100% defibrated wood content

PROFILE® WOOD WITH TACK | 50 LB

- 100% thermally refined wood fiber plus an organic guar gum tackifier
- Ensures a smooth hydro seeding application
- Provides additional protection on difficult sites

PROFILE® SEED AIDE® COVERGROW™ MULCHING GRANULES | 40 LB

- Once applied and activated by water, the pellets quickly expand and disperse
- Provides outstanding protection and water-holding performance
- Easy and convenient way to establish vegetation

PROFILE® TORNADO TACK™ ST-1000 STRAW TACKIFIER | 50 LB

- All-in-one hydraulically applied tacking solution for straw
- Gives twice the coverage of a traditional blended mulch and tackifier
- Saves time through fewer loads per job

PROFILE® TACKING AGENT 3® TACKIFIER | 25 LB

- Proven to reduce soil erosion and water runoff immediately after hydro seeding
- No cure time required
- Enhanced fiber-to-soil bond growth and early spring green-up

PROFILE® FLOC LOC | 3 LB & 40 LB

- Increases shooting distance of the hydraulic mulch slurry due to slickifier
- Improves water infiltration into the seedbed
- Increases water-holding capacity of hydroseeding slurry
- Enhances suspension of seeds and fertilizer

PROFILE® BIOCOVER™ ALTERNATIVE DAILY COVER (ADC) | 50 LB

- Forms a uniform layer between waste and the surrounding environment
- Manufactured from thermally refined wood fibers
- Less expensive than other alternative covers and easier to apply

ROLLED EROSION CONTROL PRODUCTS (RECP)

STRAW

- Single or Double net
- Natural fiber and photo-degradable netting
- For use on gradual to steep slopes and channels

STRAW/COCONUT BLEND

- Natural fiber and photo-degradable netting
- For use on gradual to steep slopes and channels

100% COCONUT

- Natural fiber and photo-degradable netting
- For use on gradual to steep slopes and channels

EXCELSIOR

- Single or Double net
- Natural fiber and photo-degradable netting
- Stabilizes the exposed soil on slopes and channels

TURF REINFORCEMENT MAT (TRM)

Various sizes and weights available depending on flow and slope of channel

PERMANENT REINFORCEMENT MAT

- Synthetic composition made to handle high velocities and shear stress inherent to extreme slope and channel
- Long-term non-degradable designed for permanent application
- 8 oz / 100 sq yd
- 10 oz / 100 sq yd
- 12 oz / 100 sq yd
- Futerra/Enka

SEDIMENT CONTROL

WATTLES

STRAW AND EXCELSIOR

- Intercepts runoff on slopes and channels
- Slows velocity to reduce sediment

COMPOST FILTER SOCKS

- Filter silt to prevent escape into storm drains and waterways
- Slows velocity to reduce sediment

SILT FENCE

- Low-impact filter barriers for use around job perimeters and dirt stockpiles
- Made from geo-synthetic material (stakes and posts available)



PRO TURF MARKET SEGMENTS

Pennington is known for its high-quality grass seed, but its Pro Turf team can also supply many other commercial products to help complete your project. As a wholesale supplier for the Erosion Control, Landscape, Sports Turf, Sod, and Golf markets – Pennington Pro Turf aims to deliver quality, convenience and solutions.

WAREHOUSE LOCATIONS

ALABAMA

2210 Industrial Drive SW
Cullman, AL 35055

GEORGIA

1280 Atlanta Hwy
Madison, GA 30650

PENNSYLVANIA

3895 Eastgate Blvd
Easton, PA 18045

MISSOURI

303 S Grand
Greenfield, MO 65661

OREGON

15750 N Lombard St Ste 200
Portland OR 97203

TEXAS

830 SW 14th Street
Grand Prairie, TX 75051

VIRGINIA

900 Main Street
Kenbridge, VA 23944

CALIFORNIA

851 N Vintage Ave
Ontario CA 91764



SOIL EROSION SOLUTIONS

SLOPEMASTER®

Slopemaster® grass seed is a seed mixture specifically designed for erosion control where rapid establishment is a necessity with little follow-up maintenance.

CUSTOM SEED MIXING

Whatever the site requires, Pennington has the experience necessary to blend a seed mixture that is suited specifically for your site.

SOURCE NATIVE & POLLINATOR SEED MIXES

Pennington has a vast catalog of native grasses and wildflowers. If you are needing something rare and hard to source, let us work with our vendor partners to locate the products you need.

SOIL TESTING

Choosing the right seed is crucial to the success of your planting; however, soil testing is the first step in achieving success. Pennington offers free soil testing and analysis from a certified laboratory. Our sales reps will email the in-depth analysis when it is completed.

ENGINEERED SPECIFIC PRODUCTS

By leading the industry in driving specifications, our professionals work with engineers to make the right choices for each site.



CORE PRODUCTS

REVEGETATION SEED

- Slopemaster®
- Durana Clover
- Bluegrass
- Bermuda
- Ryegrass
- Native Seed
- Fescue

ROLLED PRODUCTS

- Straw (Single-Double Net)
- Excelsior (Single-Double)
- Straw & 100% Coconut
- Compost Filter Socks
- Permanent Turf Reinforcement
- Straw and Excelsior Wattles
- Silt Fence

HIGH PERFORMING MULCH

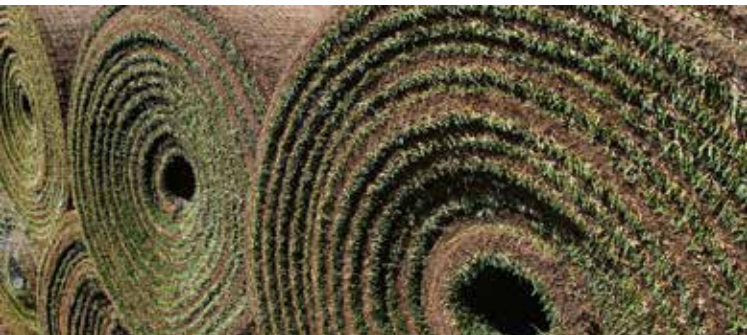
- Flexterra® HP-FGM®
- ProMatrix® EFM

BASE MULCH

- SoilCover Cellulose (Tac)
- SoilCover Wood (Tac)
- SoilCover Blend (Tac)
- Seed Aide Aero
- Seed Aide CoverGrow

SOIL AMENDMENTS

- Aqua-pHix
- ProGanics®
- Fast Acting Lime
- Fast Acting Gypsum
- Water Soluble Fertilizer
- Slow Release Nitrogen Fertilizer



The success of a sod farm starts with the quality of the seed that is planted. Choose one of Pennington's varieties to give your turf the appearance, vigor and drought tolerance of a proven winner.

SOD RESOURCES

WATER STAR® QUALIFIED GRASS SEED

As demand for water increases, its use 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. Water Star® Qualified grass seed varieties are proven to use significantly less water based on external, independent testing performed by the Turfgrass Water Conservation Alliance® (TWCA).

Water Star®
QUALIFIED GRASS SEED

CUSTOM SEED MIXES

Whatever the site requires, Pennington has the experience necessary to blend a seed mixture that is suited specifically for your region.

NEXGEN PLANT SCIENCE CENTER

Pennington is one of the only seed companies with its own research and development facility. NexGen Turf Research is comprised of two research units dedicated to developing grasses with better turf quality, stress tolerance and pest resistance. NexGen Turf Research, LLC is located in Albany, Oregon and is the center for cool-season turfgrass research. NexGen Seeds West, LLC is located in Arkansas and is the center for warm season turfgrass research.

GRASS SEED

ELITE TURF TYPE TALL FESCUE

- Signature Series TTF Blend
- Signature Series TTF/KBG Mix
- Rebel XLR
- Rebel Xtreme
- Rebel V
- Penn RK4
- Penn ATF 1254
- Penn ATF 1258
- Penn ATF 1376
- Virtue II

KENTUCKY BLUEGRASS

- Ridgeline
- Aries

FERTILIZER

- Turf Fertilizer
- Ornamental Fertilizer
- Fertilizer with Prodiamine
- Fertilizer with Dithiopyr
- Fertilizer with Pendimethalin
- Fertilizer with Echelon®
- Fertilizer with Oxadiazon
- Broadleaf Weed Control
- Monty's Turfvantage® Humic Lc
- Monty's Turfvantage® 4-5-2 Plus
- Monty's Turfvantage® Microhance
- Monty's Turfvantage® 6-11-5 Ap
- Monty's Turf Power Srn™

CHEMICALS

- Pre-Emergent
- Post-Emergent
- Insect Control
- Fungicide
- Insecticide

ACCESSORIES

- Big Roll Sod Wrap
 - 29" x 12000
 - 40" x 12000
 - 48" x 12000
- Field Net
 - 17' x 20000

GOLD TAG CERTIFIED SEED

Gold Tag certified seed is the highest standard for seed purity in the industry, however at Pennington Seed we go beyond the industry standard by requiring our seed be free of many more contaminants. We ensure that our seed is free of all crop and weed seed* when sold as Pennington® Gold Tag Seed. Our increased scrutiny ensures our customers are receiving the best sod quality seed available.

*Our Pennington® Gold Tag is verified as free of all crop and weed seeds in two independently drawn samples and submitted to two separate seed testing labs. While guaranteeing any lot of seed as being completely free of crop and weed seed is not possible, our testing procedures offer the highest verification offered.

Pennington Seed has its roots in the Landscape business, so we understand the value of your time – especially during the peak seasons. Make Pennington the choice for all of your residential and commercial lawn care needs.



LANDSCAPE SOLUTIONS



WATER STAR® QUALIFIED GRASS SEED

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MYCO ADVANTAGE®

Micro-organisms attach to emerging roots to promote dense root systems. Healthier roots grow deeper into your soil to give you better drought protection and greater ability to absorb nutrients.



PENKOTED® TECHNOLOGY

Penkoted® technology protects seeds from deadly fungus, improving each seed's ability to grow into a healthy plant. With its proven growth stimulant, Penkoted® seeds establish faster during the early growth period when grass is most susceptible to disease.



CUSTOM SEED MIXES

Whatever the job requires, Pennington has the experience necessary to blend a seed mixture that is suited specifically for your project. and analysis from a certified laboratory. Our sales reps will email the in-depth analysis when it is completed.

CORE PRODUCTS

SEED

BERMUDA

- Arden 15
- Smart Seed Pro Bermuda
- Bermuda Triangle®
- Mohawk
- Sahara

FESCUE

- Signature Series™
- Smart Seed Pro Tri-Fescue
- Smart Seed Pro Fescue Blue
- Rebel® Varieties
- Justice
- Greystone

PERENNIAL RYEGRASS

- Smart Seed Pro Rye Blend
- Sunrise Primo
- Professional Select
- Applaud II
- IG2
- Soprano
- Royal Flush

ADDITIONAL GRASSES

- Kentucky Bluegrass
- Chewing Fescue
- Hard Fescue
- Fine Fescue
- Poa Trivialis
- Creeping Bentgrass
- Buffalograss
- Shade Mixes
- Native Seed Mixes

CHEMICALS

- Pre-Emergent
- Post-Emergent
- Fungicide
- Insecticide

FERTILIZER

- Turf Fertilizer
- Ornamental Fertilizer
- Fertilizer with Prodiamine
- Fertilizer with Dithiopyr
- Fertilizer with Echelon®
- Fertilizer with Oxadiazon
- Broadleaf Weed Control

SOIL AMENDMENTS

- Fast Acting™ Lime
- Fast Acting™ Gypsum
- Sulphur

ACCESSORIES

- Spreaders
- Sprayers

Water Star®
QUALIFIED GRASS SEED

with **MYCO Advantage®**



* Contact us for a complete list of available products



The quality of the playing surface is a crucial element to the safety and efficiency of the athletes who use it. Rely on Pennington to help you grow and maintain the most pristine playing surface possible.

CORE PRODUCTS

GRASS SEED

- Arden 15
- Smart Seed® Pro Athletic Field Mix
- Bermuda Triangle®
- Sunrise Primo
- Professional's Select
- Signature Series™ Tall Fescue Blend
- Sahara II
- Tri-Plex® Perennial Ryegrass
- Royal Flush Overseeding Blend

FERTILIZER

- Turf Fertilizer
- Ornamental Fertilizer
- Fertilizer with Prodimine
- Fertilizer with Dithiopyr
- Fertilizer with Echelon®
- Fertilizer with Oxadiazon
- Broadleaf Weed Control

CHEMICALS

- Pre-Emergent
- Post Emergent
- Fungicide
- Insecticide

SPORTS TURF SOLUTIONS

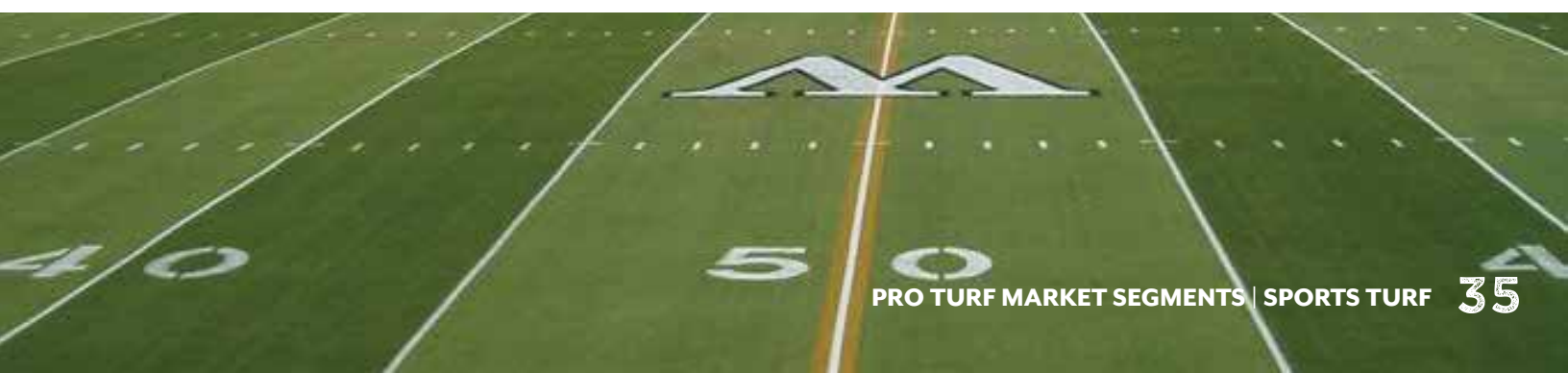
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PENNINGTON

PROTURF

WWW.PENNINGTON.COM/PRO-TURF
PROTURFSOLUTIONS@PENNINGTONSEED.COM