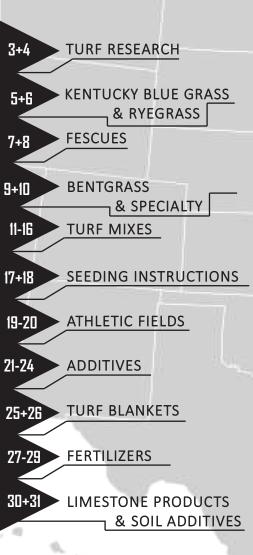


LANDSCAPING · HYDROSEEDING SOD SEEDING · ATHLETIC FIELDS GOLF COURSES · CUSTOM MIXING

SALES REPRESENTATIVES + INDEX





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"TO PARTNER WITH OUR CUSTOMERS TO PROVIDE INNOVATIVE, QUALITY PRODUCTS AND SERVICES."

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PRICES Current pricing can be obtained from your local SEEDWAY representative. Prices subject to change without notice.

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CUTTING EDGE



PLANTING RESEARCH TRIALS

Research trials are planted in a variety of geographic locations. This provides a large database from which to judge adaptability to regions, tolerance of diseases and overall performance and appearance. SEEDWAY's cooperative efforts with Allied Seed allows us to collect trial results from Albany, Oregon, Green Hills, PA and regionally placed NTEP trials throughout the U.S.



TRIAL PLOTS READY FOR EVALUATION

Great care is taken in establishing trial plots to make sure that varietal purity is maintained. The plots are also replicated several times so that trial results are based on variety performance and not location and soil variables. Precise plot mapping is used to maintain accurate records to ensure consistent information from all locations.



VARIETAL EVALUATION AND TILLERING

Evaluation of new turf grass varieties is a hands and knees process. Color, turf density, texture and mowability are just a few of the characteristics that are evaluated. If a variety meets these visual evaluations, individual tillers or plants are pulled and sent to be planted in turf grass nurseries located in Forest Grove, Oregon.

TURF RESEARCH

VARIETY GROW-OUT AND SEED INCREASE

Turf grass varieties that arrive at the nurseries have already survived a stringent selection process. Once growing in the nurseries, the evaluation process is continued, where such traits as genetic consistency and ability to produce adequate seed are considered. If the selected varieties pass these final tests, they are planted to begin seed production for market.





The long journey from original selection to final evaluation and seed production can take as long as 10 years. From thousands of choices, only very few are commercially produced. This process assures our customers that only the top performing varieties are offered for sale in our premium mixtures and blends. SEEDWAY with this research effort truly is "THE CUSTOMERS CHOICE FOR SEED".



KENTUCKY BLUEGRASS

Known for its dark rich color, fine texture, cold and stress tolerance, Kentucky Bluegrass is ideal for medium to high maintenance applications. Plants spread laterally by a unique system of underground stems or rhizomes. This knitted rhizome network holds the turf together for better performance on athletic fields and sod production.

PREMIUM ELITE VARIETIES These varieties are ideal for Sports Fields, Sod Production, Golf Courses or anywhere high end elite bluegrass is desired. These varieties exhibit outstanding turf quality and will produce a fine texture dense turf with a dark color. They have excellent disease resistance, are aggressive, tolerant to low mowing, and have shown excellent wearability.

FARGOPROSPERITYSKYE

· EVEREST · EVERGLADE

MID RANGE BLUEGRASS Ideal for Lawns, General Parks and Recreational Areas, Economical Sod Production. These varieties exhibit quick establishment, early spring green up, are cold tolerant, have good wear tolerance, and are excellent for mixing with Turf Type Tall Fescues and Perennial Ryegrass. tolerant to low mowing, and have shown excellent wearability.

· APPALACHIAN · BABE

· CAMAS · WILDHORSE

COMMON BLUEGRASS For General Purpose Applications

FANCY 98/85 Also known as high-test, this is an unstated variety with a minimum purity of 98%. **COMMON 85/80** This is an unstated variety with a minimum purity of 85%, used in general mixtures.



*Availability of all varieties may depend on production supply.

RYEGRASS

Perennial Ryegrass is principally known for its quick germination and rapid establishment, giving them the ability to crowd out weeds and competitive plants. Improved turf types have dark green, fine textured leaf that is comparable to Kentucky Bluegrass. Wear tolerant Perennial Ryegrasss is well adapted for home and commercial lawns, parks and athletic fields, golf course roughs and fairways as well as some erosion control applications, these varieties will grow over a wide range of climates and conditions, including compacted and fairly poor soils.

ELITE TURF PERENNIAL RYEGRASS These varieties in addition to quick germination provide dark green color, fine texture, extensive tillering, high endophyte levels, excellent disease resistance and tolerant to low mowing heights down to ½ inch.

ASP 0112
 ASP 0113
 BELIZE
 OAHU

ASP 0116EXT
 FIJI 2
 BARBADOS
 DOMINATOR
 RIPTIDE
 SUNSTREAKER

SPECIALTY PERENNIALS

 $\textbf{-ASP 0218D} \quad \dots \quad \textbf{...} \text{ A new super fine texture and super dense variety that has excellent disease resistance and a very dark color. } \\$

· ASP 3316HS A new heat sensitive perennial that works well as a nurse crop. Provides quick germination but fades out as the

temperature rises to allow the other species in the mix to become the dominate species in the final stand.

RYEGRASS BLENDS Premium blends of 3 or 4 elite turf types that provide more genetic diversity for improved adaptation.

· 4 STAR BLEND · TRIUMPHANT BLEND

ECONOMY PERENNIALS General all around perennials to provide quick germination.

PLAYER
 BOMBER BRAND

ALSO AVAILABLE: COMMON VNS PERENNIAL AND ANNUAL RYEGRASS

^{*}Availability of all varieties may depend on production supply.

⁷ TURF TYPE TALL FESCUE

Turf Type Tall Fescue continues to make rapid advances in improvements. New proprietary varieties have finer leaves, darker green genetic color and reduced growing height. The new Tall Fescue varieties have retained their wear, shade and drought tolerant characteristics, that made them originally so important. Tall Fescues require less fertilizer and water compared to Kentucky Bluegrass and Perennial Ryegrass. Their deeper root system will allow Tall Fescue turfs to stay green longer into the summer than other cool season species. They have gained acceptance in home lawns, athletic fields, commercial applications and golf course roughs due to their lower maintenance requirements.

ELITE TURF TYPE VARIETIES These varieties are well adapted to lower fertility and lower pH conditions while providing excellent wear and disease tolerance. These varieties all have medium texture and dark green color and have shown aggressive tillering.

· SWAGGER

COMPACT TALL FESCUES A new generation of elite low maintenance varieties. These varieties have superior turf quality with slower growth habit, shorter plant height and unsurpassed density

· AST 8118LM · AST 8218LM

TALL FESCUE BLEND A blend of 3 elite turf type varieties selected for color, density and fine texture that provides genetic diversity for improved adaptation.

· TALL STAR TALL FESCUE BLEND



*Availability of all varieties may depend on production supply.

FINE FESCUE

Fine Fescues are multiple species that are shade and drought tolerant. Its fine leaves will lose less moisture in hot sunny weather. Chewings, Creeping Red and Hard Fescues mix well with Kentucky Bluegrass and Perennial Ryegrasses. The fine fescues also perform well as a low maintenance monostand in areas that are hard to mow, such as reclamation sites, creek banks, steep slopes and roadsides. The fine fescues are ideal for use as a cover crop under grapes, in orchards and Christmas tree plantings.

CHEWINGS FESCUE Fine leafed, upright bunch type growth habit. The following varieties offer outstanding shade tolerance and will blend well with Kentucky Bluegrass and Perennial Ryegrass. These are also good for low maintenance areas.

· CARSON · COMPASS II · COMMON VNS · SHADOW III

CREEPING RED FESCUE Fine leafed, spreading growth habit through rhizomes. The following varieties have excellent heat and shade tolerance, and are persistant in low pH sites.

ABERDEENCARDINALL IIPENNLAWN

· COMMON VNS

HARD FESCUE Fine leafed, upright, bunch type growth habit ideal for low maintenance sites. The following varieties have excellent seeding vigor, rich dark green color, excellent disease tolerance and retains its turf density through heat and drought stress.

ECOSTAR PLUS
 HARPOON
 NANOOK
 VIKING H20
 GLADIATOR
 COMMON VNS

SHEEP FESCUE Fine leafed, upright bunch type growth habit ideal for low maintenance areas. Very low growth habit with very good heat and drought tolerance. Has a unique blue-green color with a striking seedhead.

MARCO POLO COMMON VNS

^{*}Availability of all varieties may depend on production supply.

BENTGRASS

Used primarily on golf courses, Bentgrasses require high level inputs and professional turf management for continually successful stands. With proper management bentgrass can be used for permanent turf in most cool, transitional, and warm turfgrass zones. There are two basic types of bentgrass; Creeping and Colonial Bentgrass. Creeping Bentgrass is preferred for golf tee boxes and greens and is able to spread by lateral stolens which can quickly repair ball marks and divots. Its aggressive nature allows Creeping Bentgrass to compete and choke out weeds and other turf grass species. Colonial Bentgrass, used on tee boxes and fairways, spreads through an underground network of rhizomes, to help repair major damaged areas. It is used primarily in conservation and reclamation plantings.

PREMIUM BENTGRASS (Used primarily for greens, tee boxes and fairways, when close cut tolerance and uniformity are required)

| A-1 | Exclusively for putting green use, lower growing, upright leaf with dense, uniform turf. |
|--------------|--|
| A-4 | Aggressive growth habit, dark green fine texture provides smooth grainless putting surface. |
| L-93 | Dark green, dense, aggressive turf that adapts to a wide range of mowing heights. |
| T-1 | Rich green, dense, tenacious turf, aggressive against POA, quickly repairing ball marks/divots. |
| ALPHA | Rich green, with unparalleled ground coverage & density to quickly repair ball marks/divots. |
| PENNCROSS | Fast growing, heat and wear tolerant variety, with good disease resistance package. |
| PENNEAGLE II | Medium-fine non aggressive semi erect growth habit with dark green color. Early spring |
| | green-up competes against grassy weeds and provides excellent surface on tee boxes and fairways. |
| PENNLINKS II | Offering improved turf density, color and disease resistance while maintaining the same heat and |
| | drought tolerance of the original. Excellent playing surface for tees, greens and fairways. |
| | |

BENTGRASS BLENDS (Primarily used for tees and fairways, blends provide a wider spectrum of disease resistance and genetic diversity)

| PENN TRIO | . A certified blend of Penncross, Penneagle & Pennlinks providing heat tolerance and dense turf |
|-----------|--|
| | for excellent wear in fairway applications. |
| PENNWAY | . A cost effective, uncertified blend for fairway use, providing wear, heat and disease tolerance. |
| PLS BLEND | . Combining the strong attributes of Putter, L-93 and Southshore, PLS Bentgrass is an unmatched |
| blend fo | r overall quality characteristics, creating smooth uniform greens. |



OTHER SPECIALTY ITEMS



| RED TOP A coars | se, stemmy turf plant well suited to wet, | poorly drained sites. Generally used |
|-----------------|---|--------------------------------------|
| in low | maintenance and conservation sites. | |

| CROWNVETCH | . Used for low maintenance roadside and | embankment seeding. This perennial legume provides |
|------------|---|--|
| | dense ground cover and excellent bank | stabilization with beautiful pink flowers in season. |

| POA TRIVIALIS | . An improved variety adapted for use in moist, sha | ly conditions with excellent cold tolerance and |
|---------------|---|---|
| | improved Dollar Spot resistance. | |

| CANADA BLUE | For semi-turf applications, low maintenance, occasional mowing. Well adapted to extremely poor growth |
|-------------|---|
| | conditions such as low pH and high soil levels of heavy metals. |

| WHITE CLOVER | A shallow rooted perennial legume known for its nitrogen fixing ability. This leafy small structured plant is |
|--------------|---|
| | used for soil improvement as a minor component of turf mixtures, generally less than 5% of the total mixture. |

HIGHLAND COLONIAL BENT Upright fine textured growth habit with a medium dark green color. It has the ability to survive under low maintenance, as well as reduced nitrogen and irrigation conditions.

ALSO AVAILABLE BY SPECIAL ORDER:

ANNUAL and PERENNIAL NATIVE GRASSES, NORTHEAST WILDFLOWER MIXTURES,

CONSERVATION and EROSION CONTROL MIXTURES







ALL PURPOSE MIXTURE

45% Perennial Ryegrass

30% Creeping Red Fescue

15% Kentucky Bluegrass

An economical mixture that provides a wide range of adaptability with very quick emergence.

PLANTING RATE: 5-6 lb. per 1,000 sq. feet

CONSERVATION MIX WITH CLOVER

25% Creeping Red Fescue

20% Perennial Ryegrass

20% Annual Ryegrass

15% Tall Fescue

25% Kentucky Bluegrass

5% White Clover

For reclamation sites, road side ditches, and landfills.

PLANTING RATE: 4lbs per 1,000 sq. feet

CONTRACTORS MIXTURE

90% Annual Ryegrass (approximate)

10% Perennial Ryegrass (approximate)

Field-run mixture with 90% annual ryegrass. Utilize for areas that require quick, temporary, inexpensive cover.

PLANTING RATE: 5-6 lb. per 1,000 sq. feet

DURA TURF MIXTURE

45% Annual Ryegrass

25% Perennial Ryegrass

25% Creeping Red Fescue

5% Kentucky Bluegrass

Permanent, cost effective mixture featuring quick establishment and durability, with a wide spectrum of adaptability.

PLANTING RATE: 7-8 lb. per 1,000 sq. feet

FAIRWAY BLUEGRASS MIXTURE

25% Proprietary Kentucky Bluegrass

25% Proprietary Kentucky Bluegrass

25% Proprietary Kentucky Bluegrass

25% Proprietary Kentucky Bluegrass

Blend of 3-4 elite Kentucky Bluegrasses that will tolerate mowing as low as 1/2" for utilization on golf course fairways. Can also be used on home lawns to provide a fairway

Can also be used on home lawns to provide a fairway appearance for a premium front lawn!

PLANTING RATE: 3-4 lb. per 1,000 sq. feet



4 STAR BLUE MIXTURE

90% 3-4X Proprietary Perennial Ryegrass 10% Proprietary Kentucky Bluegrass 3-4 fine-textured perennial ryegrasses with an improved Kentucky bluegrass. Quick establishment with bluegrass that spreads and knits turf areas. Good choice for fine-textured turf applications. *PLANTING RATE: 5-6 lb. per 1,000 sq. feet*

4 STAR PERENNIAL RYEGRASS BLEND

100% Proprietary Turf-Type Perennial Ryegrass

Premium blend of 3-4 fine-textured perennial ryegrasses to provide quick cover with a wide spectrum of traits and disease resistance. *PLANTING RATE: 6-7 lb. per 1,000 sq. feet*

FESCUE ANNUAL MIXTURE

85% Turf-Type Tall Fescue, VNS

15% Annual Ryegrass

Field-run mixture with 85-90% tall fescue. Utilize for areas that require multiple season temporary cover. PLANTING RATE: 8 lb. per 1,000 sq. feet

LOW MAINTENANCE MIXTURE

40% Proprietary Hard Fescue

30% Proprietary Sheep Fescue

30% Proprietary Chewings Fescue

Special purpose mixture for areas that do not accommodate frequent mowing and fertilization. Slower and lower growing providing excellent ground cover without growing wild.

PLANTING RATE: 4-5 lb. per 1,000 sq. feet

NORTH COUNTRY LANDSCAPE MIX

34% Kentucky Bluegrass

33% Perennial Ryegrass

33% Creeping Red Fescue

An equal parts mixture by weight of bluegrass, perennial ryegrass and creeping red fescue.

PLANTING RATE: 4-5 lb. per 1,000 sq. feet

O-V-N MIXTURE

40% Proprietary Perennial Ryegrass

30% Creeping Red Fescue

30% Chewings Fescue

Dwarf-type perennial ryegrass and fine fescues. Provides quick establishment and dense turf requiring less mowing and maintenance. For $\underline{\mathbf{O}}$ rchards, $\underline{\mathbf{V}}$ ineyards, $\underline{\mathbf{N}}$ urseries and Christmas tree plantings.

PLANTING RATE: 40-75 lb. per acre

PENN STATE SUPREME MIXTURE

35% Creeping Red Fescue

25% Proprietary Kentucky Bluegrass

20% Proprietary Perennial Ryegrass

20% Kentucky Bluegrass VNS

Common and proprietary varieties for a strong, well-adapted turf for the Northeast. Adapted from sunny to moderately-shaded areas. Ability to create a fine-textured lawn at a more economical price.

PLANTING RATE: 4-5 lb. per 1,000 sq. feet

PREMIUM LAWN MIXTURE

80% 2X Proprietary Tall Fescue

15% Proprietary Perennial Ryegrass

5% Proprietary Kentucky Bluegrass

Features elite turf-type tall fescues to provide tolerance to heat, drought and wear. Requires less fertility and water than bluegrass or ryegrass mixtures.

PLANTING RATE: 7-8 lb. per 1,000 sq. feet

PRO ATHLETIC MIXTURE

85% 2-3X Proprietary Kentucky Bluegrass

15% Proprietary Perennial Ryegrass

High quality mixture for establishing or renovating athletic fields, quality bluegrasses with the ability to self-repair turf surfaces.

PLANTING RATE: 4-5 lb. per 1,000 sq. feet

PRO LANDSCAPE MIXTURE

65% 2X Proprietary Perennial Ryegrass

25% Creeping Red Fescue

10% Kentucky Bluegrass

Quality general purpose mixture combining quick establishment, dark green color and fine texture. Popular for new lawn establishment in a wide range of soils.

PLANTING RATE: 6-7 lb. per 1,000 sq. feet



SHADY LAWN MIXTURE

| 30% | Proprietary Chewings Fescue |
|-----|---------------------------------|
| 30% | Proprietary Creeping Red Fescue |
| 30% | Proprietary Perennial Ryegrass |

10% Shade Tolerant Proprietary Bluegrass

Mixture of more shade tolerant species designed for improved performance in areas where sun-loving varieties fail to thrive, while maintaining the texture and color of sunny area mixes.

PLANTING RATE: 4-5 lb. per 1,000 sq. feet

SUPREME LAWN MIXTURE

| 75% | 2-3X Proprietary Kentucky Bluegrass |
|------------|-------------------------------------|
| 25% | Proprietary Perennial Ryegrass |

Superior permanent mix of 2-3 improved Kentucky Bluegrass varieties and fine-textured perennial ryegrass to provide a dark green, fine-textured carpet-like lawn.

PLANTING RATE: 4-5 lb. per 1,000 sq. feet

TALL STAR BLUE MIXTURE

| 90% | 3X Proprietary Turf-Type Tall Fescue |
|-----|--------------------------------------|
| 10% | Proprietary Kentucky Bluegrass |

Mixture of 3 turf-type tall fescues selected for color, density and finer texture. 10% bluegrass knits these bunch grass varieties into a tighter, more wear resistant turf.

PLANTING RATE: 5-7 lb. per 1,000 sq. feet

TALL STAR TALL FESCUE BLEND

100% Proprietary Turf-Type Tall Fescue

Blend of 3 turf-type tall fescues selected for color, density and relatively fine texture. Good for lower fertility and heavy wear turf applications.

PLANTING RATE: 6-8 lb. per 1,000 sq. feet

STATE DOT MIXES AVAILABLE

RETAIL / CONSUMER TURF MIXES

SUNNY MIXTURE

SEEDWAY'S SUNNY MIXTURE provides a well rounded mix that blends with existing stands in full sun areas and exhibits a wide rage of adaptability. PLANTING RATE: 6-7 LBS. PER 1,000 SQ. FT.

• 65% 2X Proprietary Perennial Ryegrass • 25% Proprietary Creeping Red Fescue • 10% Proprietary Kentucky Bluegrass AVAILABLE IN 3 LB, 10 LB, 25 LB, AND 50 LB.

SHADY MIXTURE

SEEDWAY'S SHADY MIXTURE is designed to provide improved performance in areas that sun-loving varieties fail to thrive, while maintaining the texture and color of sunny area mixes. PLANTING RATE: 4-5 LBS. PER 1,000 SQ. FT.

- 30% Proprietary Chewings Fescue 30% Proprietary Creeping Red Fescue
- 30% Proprietary Perennial Ryegrass 10% Proprietary Kentucky Bluegrass AVAILABLE IN 3 LB, 10 LB, 25 LB, AND 50 LB.

SUN AND SHADE MIXTURE

SEEDWAY'S SUN AND SHADE MIXTURE provides a lush green lawn adapted to most light conditions ranging from full sun to moderately shaded areas. PLANTING RATE: 5-6 LBS. PER 1,000 SQ. FT.

- 50% Proprietary Perennial Ryegrass 25% Proprietary Creeping Red Fescue, VNS
- 20% Proprietary Chewings Fescue, VNS 5% Proprietary Kentucky Bluegrass AVAILABLE IN 3 LB, 10 LB, 25 LB, AND 50 LB.

SUMMER STRESS LAWN MIXTURE

SEEDWAY'S SUMMER STRESS LAWN MIX performs well in full sun to partial shade providing improved tolerance to heat, drought and wear, requiring less fertility and water than sunny or shade mixes. PLANTING RATE: 6 - 8 LBS. PER 1,000 SQ. FT.

• 80% 2X Proprietary Tall Fescue • 15% Proprietary Perennial Ryegrass • 5% Proprietary Kentucky Bluegrass AVAILABLE IN 3 LB, 10 LB, 25 LB, AND 50 LB.

TRI-RYE BLEND

SEEDWAY'S PROPRIETARY BLEND OF 3 OR 4 PREMIUM TURF TYPE PERENNIAL RYEGRASSES designed to provide quick cover with a wide spectrum of traits and disease tolerance PLANTING RATE: 6 - 8 LBS. PER 1,000 SQ. FT.

• 100% Proprietary Turf Type Perennial Ryegrass

AVAILABLE IN 3 LB, 10 LB, 25 LB, AND 50 LB.



| VARIETY | APPROX. DAYS TO GERMINATE | SEEDS PER POUND | SEEDING RATE PER 1000 SQ FT | GROWTH HABIT | LEAF BLADE TEXTURE 9 = FINEST | DROUGHT TOLERANT 9 = BEST | SHADE TOLERANT 9 = BEST | WEAR TOLERANT 9 = BEST | WINTER HARDY 9 = BEST | SPEED TO ESTABLISH 9 = BEST | LOWEST CUTTING HEIGHT | USAGE |
|-----------------------------------|---------------------------------|-----------------------|-----------------------------------|-----------------------|--|---------------------------------|-------------------------------|------------------------------|-----------------------------|-----------------------------------|-----------------------------|--|
| KENTUCKY BLUEGRASS | 10- 28 | 2,000,00 0 | 2- 3 lbs | Spreading Rhizomes | 7 | 3 | 3 | 5 | 9 | 2 | 1" | Best For Sunny Lawns |
| IMPROVED KENTUCKY BLUEGRASS | 10- 21 | 2,000,00 0 | 1- 3 lbs | Spreading Rhizomes | 8 | 3 | 4 | 7 | 9 | 3 | 3/4" | Best For Sunny and Partial Shade Lawns |
| CREEPING FESCUE | 7- 21 | 500,000 | 4- 5 lbs | Stolons | 6 | 6 | 8 | 3 | 9 | 5 | 1- 1/2" | Best For Shade or Low Maint. |
| HARD FESCUE | 7- 21 | 500,000 | 4- 5 lbs | Bunch | 9 | 8 | 9 | 2 | 9 | 5 | 1- 1/2" | Best For Shade or Low Maint. |
| CHEWINGS FESCUE | 7- 21 | 400,000 | 4- 5 lbs | Tillers | 9 | 7 | 9 | 3 | 9 | 3 | 1" | Best For Shade or Low Maint. |
| TALL FESCUE (KENTUCKY 31) | 7- 14 | 200,000 | 8 lbs | Bunch | 2 | 8 | 6 | 9 | 6 | 7 | 2" | Best For Hard Use or Low Maint. |
| TURF TYPE TALL FESCUE | 7- 14 | 230,000 | 6- 8 lbs | Bunch | 4 | 8 | 7 | 9 | 6 | 7 | 1- 1/2" | Best For Low Maint. Turf |
| PERENNIAL RYEGRASS | 5- 10 | 225,000 | 7 lbs | Bunch | 5 | 4 | 3 | 6 | 4 | 9 | 1" | Quick Cover and Low Quality Turf |
| TURF TYPE PERENNIAL RYE | 5- 10 | 290,000 | 5- 7 lbs | Bunch | 6 | 5 | 4 | 8 | 6 | 9 | 1/2" | Quick Cover and High Quality Turf |
| ANNUAL RYEGRASS | 5- 10 | 200,000 | 8 lbs | Bunch | 5 | 4 | 3 | 6 | 2 | 9 | 1- 1/2" | Quick, Temporary Cover Nurse Grass |
| CREEPING BENTGRASS | 10-21 | 7,000,00 0 | 1/2- 2 lbs | Stolons | 8 | 2 | 4 | 5 | 9 | 4 | 1/8" | Golf Course Greens & Tees |
| POA TRIVIALIS | 7- 18 | 2,500,00 0 | 2- 3 lbs | Rhizomes | 8 | 3 | 9 | 3 | 9 | 3 | 1" | Damp and Shady Turf Areas |

SEEDING INSTRUCTIONS

To be successful there are several basic steps that need to be followed before any type of seeding is done. These steps will help you be more successful.



NEW SEEDING

- 1 If there are any perennial weeds present, be sure to spray a product such as Roundup to kill these and other existing plants.
- 2 After spraying, remove any existing sod, alive or dead, in the area to be seeded.
- 3 Now is the best time to add topsoil or a soil additive, such as peat moss.
- 4 Apply quality starter fertilizer, such as 16-28-10, 25% XCU, at 50 lb. per 10,000 sq. ft.
- 5 Remove any stones, sticks or other debris.
- 6 Finish surface grade by raking, rolling or lightly dragging to level high spots and fill in low spots.
- 7 Spread seed mixtures at recommended rates. For best results, spread seed with mechanical spreader at 1/2 rate in one direction and spread at 1/2 rate again at 90 degree angle to the first seeding.
- 8 Lightly roll or drag seed to get good seed to soil contact. Do not cover seed deeper than 1/8 inch. (20% of seed remaining on surface is OK).
- 9 Lightly adding organic mulch such as CoverGrow will keep the surface from drying. If no seed or soil is visible, the mulch has been applied too heavily.
- 10 Water frequently, so soil stays moist. Seed will not come up if you let the ground dry out. Water every day until seedlings are 2"-3" tall. (You may need to water more than once daily if weather is hot and dry.
- 11 \bullet After grass is growing and has been mowed 2 times, use Green Yard Lawn Food.



OVER SEEDING

- 1 The best time to over seed is early spring or early fall, avoiding extreme hot and dry conditions.
- 2 For the best results, aerate or spike to open soil to allow more moisture, nutrients, and seed into soil.
- 3 Seed at recommended rates.
- 4 If 4-8" areas are bare, tear up at least a 12" square area then seed and mulch. Firm surface with foot to get good seed to soil contact.
- 5 After new grass is growing and mowed 4- 5 times, use your regular lawn food application.



WATER REQUIREMENTS

All lawn grasses require moisture to maintain growth and keep foliage green. Close to an inch of water a week is needed to replace that used by the turf and lost by the soil through evaporation. At times of the year when natural rainfall accounts for this much water, no additional irrigation is required. When the amount of rainfall averages less than an inch a week, the deficit amount is needed in the form of irrigation. When using the sprinkler, remember that an inch of water over 1000 sq. ft. (50 ft. x 20 ft.) will amount to 625 gal. Over the course of a 3-4 month dry season (12 to 16 weeks), this can amount to a need for 7 to 10 thousand gallons of irrigation water for each 1000 sq. ft. of lawn. Before you start to irrigate, be sure ample water is available and that your are willing to pay for it. The best time to water is early in the morning.

SEEDWAY LAWN & TURF

STEPS TO LAWN RENOVATION



- 1 Remove undesirable weeds from grass.
- 2 Use vertical mower, verticut the existing lawn. (Go over damp lawn twice in opposite direction)
- 3 Rake up dead grass and thatch. (This guarantees the all important contact between seed and soil)
- 4 Aerate the soil as well. (Remove small cores of damp soil from the lawn which allows air, water and nutrients to pass freely to the root zone)
- 5 Add lime, fertilizer and sow seed. (It may be necessary to water several times a day in hot weather in order to keep the seed moist until they become established. Then water 1" per week)
- 6 The end result- a renovated lawn (Follow an efficient program of fertilization, watering, mowing and dethatching)
- 7 Usually lawns with more than 50% weeds, require the use of a herbicide to kill all vegetation as the first step in the renovation process.



SPREADER CALIBRATION

The proper application of any lawn management material; seed, limestone, fertilizer, or a pesticide can only be accomplished with a properly calibrated spreader. Both the spreader and the material being applied should come with specific directions for spreader settings. However, in the event that such directions are not available, the directions below can be used to calibrate a drop type spreader for any material. Broadcast spreaders are a bit more complex, since the width of your swath depends on your ground speed.

- 1 Make a vee-shaped trough of heavy cardboard, wood or tin. Fasten this trough beneath your spreader to catch the material you want to spread. A trough made from a piece of eaves works well; simply close the ends off with masking tape.
- $2 \bullet$ Set the spreader on the manufacturer's suggested number and cover 100 square feet. If your spreader is:

1 foot wide (12 in.), go forward 100 feet 1.5 feet wide (18 in.), go forward 66 feet 2 feet wide (24 in.), go forward 50 feet

3 feet wide (36 in.), go forward 33 feet 4 feet wide (48 in.), go forward 25 feet

- 3 Shut the spreader off when you have traveled the proper distance. Weigh the collected material and multiply by 10. This will give you the amount applied for 1000 square feet. Most material recommendations for lawn use are given on a 1000 square foot basis.
- 4 If you applied too much, shut the spreader down and try again. If you applied too little open the spreader up and try again. If it came out just right, record the setting number with the material used so you don't forget it for the next application.

Note: Material flow varies, depending on the carrier used, storage conditions, etc. To avoid damage from over application, or lack of performance due to under application, it is always best to calibrate the spreader. Most manufacturers will provide instructions for calibrating their brand of equipment upon request. Searching online is also a good source of this type of information.

COVER SPORTS USA™

FOOTBALL AND SOCCER

COVERSPORTS PREMIUM MESH SIDELINE TARPS (VCP 17x12)

A durable sideline cover that stands up to cleated football shoes, breathable, allowing water and air to pass through, with grommets on 3' spacings on all sides for secure installation.

SPECIAL ORDER ONLY

Available in 14'6" and 12' widths.

Colors: Spruce Green, Royal Blue, Red, Light Gray. Can be customized with lettering, logos, barrier lines.

BASEBALL

COVERSPORTS HEAVYWEIGHT FIELDSAVER COVERS (VCP 1800)

The heaviest weighted cover available. FieldSaver VCP 1800 Covers are made from 18oz. / Sq. Yd. reinforced PVC fabric. With its weighted hem, installation requires no stakes or sand bags

Available in 12', 18', 26' and 30' diameters 14 available colors to customize your field

ALL ATHLETIC TURF AREAS

COVERSPORTS WINTER TURF COVER GROWTH BLANKET (GC 3)

100% woven polypropylene blanket designed to extend the growing season, enhance germination and protect turf against winter kill. These blankets are reusable, have an 8 year limited warranty and have the following features:

- 3 oz./sq. yd. woven polypropylene
- 6 Ply hems, double stitched
- Translucent fabric, 90% light pass through
- Heavy duty brass spur grommets every 5ft.
- Reusable storage bag included
- Sod staples included for 5' placement
- Wide variety of sizes available





ATHLETIC FIELD MAINTENANCE



As you have noticed in recent news reports, there is a great concern placed on the safety of the amateur and professional athlete. While the emphasis has been placed on improving their equipment, the playing field is just as important for player safety. Therefore, equal attention should be given to providing a safe and sound playing surface through proper maintenance.



SUMMER

- Soak turf well in 5 to 7 day intervals when natural rainfall is below 1". Deep watering is more beneficial.
- Clip unused athletic fields 2" to 3". The higher the cut helps develop stronger healthier grass. Mow frequently when grass is 1/2"-1" above recommended height.
- Fields being used should be trimmed regularly at 1.5" 1.75". Mow often so long clippings do not accumulate and add to the thatch layer. During hot summer weather, when irrigation is used, place the turf on a light feeding program. Treat in late June and again in mid August.
- Watch for wear on turf and schedule activities so the grass can recover in between events. Practice sessions should be held in other areas marked like an athletic field.



SUMMER

- Trim bluegrass and tall fescue 1.5" 1.75" during the playing season. Tall fescue should be maintained at 3" during the non-playing season.
- Irrigate frequently with large amount of water and allow soil surface to dry before games.
- Overseed thin spots with turf type perennial ryegrass. Water frequently, using small amounts of water for rapid germination and establishment.
- Use a mechanical aerifier early in the season, before games start. A machine that removes plugs of soil is recommended.
- Break up surface crusts by using a mechanical spiker. Fields may be spiked once or twice a week.
- Fertilize turf with 20-0-10, 50% XCU at 5 lb. per 1000 sq. ft. in late August. A similar application should be made in mid-September. Other lime or nutrient requirements should be determined through the use of a soil test.

SOIL ADDITIVES & CLAY PRODUCTS



PROFILE POROUS CERAMICS A true porous ceramic product

engineered to permanently change the soil structure by managing oxygen and water pore space in the soil. The result is an optimal environment for root growth. Profile porous ceramic products retain moisture in the root zone without reducing drainage. They provide a balance of vital water and air holding pore space in the soil. The porous ceramic material stores nutrients, improves drainage and prevents compaction.

PROFILE GREENS GRADE

Meets or exceeds the USGA recommendations for putting green construction. Also available in green on a special order basis. **50 lb. bag**.

PROFILE FIELD AND FAIRWAY

Helps turf survive in native soil under intense traffic. Use Field and Fairway as a topdress to remove puddles, along cart paths and green walk-up areas to prevent compaction and during construction or top-dressing of tees, fairways and roughs. **50 lb. bag**.

PROFILE FIELD AND FAIRWAY EMERALD

Emerald is the latest enhancement of Profile Porous Ceramic (PPC). There is a particle size for every area of the golf course. The rich color blends in and becomes less noticeable. It improves the overall aesthetics

immediately and aids in moisture retention and compaction control through balancing air and water pore space in the root zone. It does so permanently since it does not break down or decompose. 50 lb. bag.





TURFACE® is a calcined clay product that sets the standard for sports field management. **TURFACE** is used by 3 out of 4 major and minor league baseball and NFL groundskeepers for superior drainage and absorption.

TURFACE MVP

Traditional sized infield material and top dressing for turf areas. 50 lb. bag.

TURFACE PRO LEAGUE

Somewhat smaller particle size than MVP that creates a smoother sliding surface. Also good for top dressing turf areas. 50 lb. bag. (Also available in Red, Heritage Red, and Champion Brown)

TURFACE QUICK DRY

Powdered clay that eliminates puddles and standing water. Will not become slippery, cake or turn rock hard when dry. **50 lb, bag**.

TURFACE PROFESSIONAL MOUND CLAY- RED

Ultra fine particles of pure fine clay used to build, rebuild and repair pitcher's mounds, batter's and catcher's boxes.

TURFACE MOUND CLAY will eliminate the constant maintenance needed for those areas. 50 lb. bag.

TURFACE MOUND MASTER BLOCKS- RED

Mound clay in brick form. Eliminates the need for a lot of tamping and compacting of the loose mound clay. Makes rebuilding projects easier and faster. **304 bricks per pallet.**

TURFACE MVP, PRO LEAGUE, FIELD AND FAIRWAY ARE AVAILABLE IN BULK (22-24 TONS PER LOAD)

Contact your SEEDWAY representative for details

SOIL ADDITIVES & CLAY PRODUCTS





COVER GROW GRANULAR MULCH

Introducing the best performing granular mulch-period! CoverGrow is an advanced technology ranular mulch made from recycled wood and cellulose fibers. It's designed to quickly expand and disperse to provide outstanding protection and water holding capacity right where it's needed. **3 ways to apply:**

Hydroseeder, Spreader or By Hand. Packaged 40 lb. bag. Rate: 50lb. / 1000 sq. ft.

NEUTRA LIME DRY

Provides fast pH balancing of soils with longer control, up to 18 weeks. Promotes germination and enhances plant establishment by improving nutrient uptake. Packaged 4- 10 lb. bags per case or 40 lb. bags.

TACKING AGENT 3

Combination of synthetic material that is university tested and proven to control erosion, no cure time needed. Minimum Rate: 30 lb. per acre. Straw Tacking Rate: 50 lb. per acre. Packaged in 7- 3lb. water soluble packets per case.

SLIKCOLOR

The only marker dye with poly-acrylamide to increase shooting distance of slurry. Super highly concentrated marker dye for improved visual metering and enhancing the mulch color for improved "Curb appeal".

Packaged 11-1 lb. water soluble packets per case.



HYDRO-MULCHES & ADDITIVES



CELLULOSE FIBER

100% cellulose fiber manufactured from clean ground newsprint. Ideal for hydroseeding and tacking straw mulch. **50 lb. bale.**

* Also available - 100% CELLULOSE FIBER WITH TACKING AGENT 3



100% WOOD MULCH

Manufactured from green wood chips that holds soil in place more effectively than paper mulch. Wood mulch holds 10 times its weight in water and will not crust over when dry. 50 lb. bale.

* Also available - 100% WOOD MULCH WITH TACKING AGENT 3



PRO MATRIX EFM

Pro Matrix Engineered Fiber Mulch (EFM) is designed to deliver performance that is superior to other types of BFM/SMM mulches at a competitive price, with a loading rate that will save you time and water use. **50 lb. bale.**



FLEXTERRA HP-FGM

Flexterra Flexible Growth Medium (FGM) uses patented technology that immediately bonds to the soil, providing superior slope protection to erosion control blankets. Takes advantage of speed and cost savings of hydraulic seeding. **50 lb. bale.**



SOIL GUARD BY MAT, INC

Soil Guard is a bonded fiber matrix that conforms to the surface contours and dries to a re-wettable flexible mat. This product minimizes the impact of heavy rain, remains cohesive and bonded to the soil, locking seed and fertilizer in place for cost effective vegetative establishment.

Packaged in 50 lb. bale.



TERRA BLEND MULCH 70/30

This mulch is a blend of 70% recycled wood and 30% recycled paper with a non-binding additive to minimize clogging. Also contains a dark green dye and covers 20% more ground than 100% paper mulches. **50 lb. bale.**

* Also available - 70/30 BLEND WITH TACKING AGENT 3









& APPLICATION RATES Manufacturers Suggested Rates





HYDROSTRAW ALL IN ONE STRAW

All Purpose Straw is a Heat and Mechanically Treated (H.M.T.) straw product designed for use on new seedings, pet bedding and mulching gardens. It brings the value of baled straw into the convenience of an all weather bag. Specially formulated to be hand applied.

Packaged in 50 lb. bale.



HYDROSTRAW ORIGINAL

Hydrostraw mulch is an innovative mulch product made in the USA. It consists of a specially formulated composition of annually renewable fibers, tackifier and additives. Hydrostraw provides more uniform coverage, a quicker and easier loading procedure and requires less water for application. Packaged in 50 lb. bale.



HYDROSTRAW GUAR PLUS

Contains the same processed fibers as Hydrostraw Original along with the addition of Guar Plus pre-mixed. The Guar Gum tackifier enhances the chemical bond with the soil for better erosion control. The Hydrostraw Guar Plus eliminates the fish eyes that can form with field mixing and reduces guar gum breakdown by heavy rainfall events. Available by special order in trailerload and 1/2 trailerload quantities. Packaged in 50 lb. bale.



HYDROSTRAW BFM

Provides superior erosion protection for steep slopes with its long natural fibers for maximum matrix entanglement. Hydrostraw BFM contains 10% of a proprietary soil binding agent, making this product more cost effective than erosion blankets. Packaged in 50 lb. bale.

100% PAPER CELLULOSE

≤ 4:1 SLOPE 1500 LB PER ACRE

70/30 BLEND

≤ 3:1 SLOPE 2000 LB PER ACRE ≤ 4:1 SLOPE 1500 LB PER ACRE

100% WOOD

≤ 2.5:1 SLOPE 2500 LB PER ACRE ≤ 3:1 SLOPE 2000 LB PER ACRE ≤ 4:1 SLOPE 1500 LB PER ACRE

PRO MATRIX EFM

≤ 1:1 SLOPE 4000 LB PER ACRE ≤ 2:1 SLOPE 3500 LB PER ACRE ≤ 3:1 SLOPE 3000 LB PER ACRE

FLEXTERRA FGM 60 LB / 150 GAL WATER

>1:1 SLOPE 4000 LB PER ACRE 2:1 SLOPE 3500 LB PER ACRE <3:1 SLOPE 3000 LB PER ACRE

HYDROSTRAW 60 LB / 100 GAL WATER

≤ 2:1 SLOPE 3000 TO 4000 LB PER ACRE ≤ 3:1 SLOPE 2000 TO 3000 LB PER ACRE ≤ 4:1 SLOPE 2000 LB PER ACRE

HYDROSTRAW GUAR PLUS 60 LB / 100 GAL WATER

≤ 2:1 SLOPE 3000 LB PER ACRE ≤ 3:1 SLOPE 2500 LB PER ACRE ≤ 4:1 SLOPE 2000 LB PER ACRE

HYDROSTRAW BFM 60 LB / GAL WATER

≤ 1:1 SLOPE 4500 LB PER ACRE ≤ 2:1 SLOPE 3500 LB PER ACRE ≤ 3:1 SLOPE 3000 LB PER ACRE

SOIL GUARD BFM 50 LB / 100 GAL WATER

≤ 1:1 SLOPE 4000 LB PER ACRE ≤ 2:1 SLOPE 3500 LB PER ACRE

FLEX GUARD FRM 50 LB / 100 GAL WATER

≤ 1:1 SLOPE 3000 TO 4000 LB PER ACRE

TURF BLANKETS



Established in 2002, East Coast Erosion Blankets began with a vision to meet the industry's demand for a quality erosion blanket. East Coast's Blankets are packaged for efficiency in storage and installation, requires less overlapping hence a smaller material requirement per square foot. East Coast's products have been approved by DOT's across the U.S. and they are a participant of the National Transportation Product Evaluation Program. SEEDWAY is proud to offer the best erosion blanket product on the market.

EAST COAST EROSION BLANKETS:

Photodegradable Straw & Coconut Blankets

ECS-1 Single Net Straw
ECS-1A Single Net Straw
ECS-2 Double Net Straw
ECS-2A Double Net Straw

ECSC-2 Double Net Straw/Coconut
ECC-2 Double Net Coconut

ECC-2 Double Net Coconut

Mega roll sizes available by special order

Photodegradable Excelsior Blankets

ECX-1 Single Net Excelsior
ECX-1A Single Net Excelsior
ECX-2 Double Net Excelsior
ECX-2A Double Net Excelsior
Green excelsior available by special order

Biodegradable Erosion Blankets

| ECS-1B | Straw Single Net Biodegradable |
|--------|--------------------------------|
| ECS-2B | Straw Double Net Biodegradable |

ECSC-2B Straw/Cnut Double Net Biodegradable **

ECC-2B Coconut Double Net Biodegradable **

Permanent Turf Reinforcement Mats

| ECP-2 | Double Net Polypropylene IRM | |
|--------|------------------------------|----|
| ECSC-3 | Triple Net Straw / Coconut | ** |
| ECC-3 | Triple Net Coconut | ** |
| ECP-3 | Triple Net Polypropylene TRM | ** |
| | | |

^{**} Available by special order

Sediment Retention Devices / Wattles

| Straw | 9" x 25' | 12" x 10' | 20" x 10' | ** |
|-----------------|---------------|------------|-----------|----|
| Excelsior | - | 12" x 10' | 20" x 10' | ** |
| Mulch | 8" x 160' | 12" x 100' | - | ** |
| Coir Log | 12" x 12' | 16" x 12' | 20" x 12' | ** |
| ** Available by | special order | | | |

^{**} Available by special order

& EROSION CONTROL PRODUCTS





ENVIRONET-BLANKET

This blanket is the most effective form of erosion control material on the market. Futerra® is a lightweight, non-woven blanket comprised primarily of virgin wood fiber with a photodegradable polypropylene netting on one side.

Available in 40" & 82" width by 135' in length.

Color is green or natural. SPECIAL ORDER, PALLET QUANTITIES ONLY

HEAVY JUTE MATTING

Constructed of an open weave of undyed and unbleached single jute yarn. Jute matting is a low cost and effective

form of erosion control. Available in 4' x 225' rolls.

SILT FENCE

Heavy duty fences with Oak posts on 8 foot centers. Available in 24" X 100 ft. or 36" X 100 ft. bundles.

Also:

Reinforced mesh silt fence: **36" x 100' rolls.** PennDot-approved silt fence: **42" x 100' rolls.**

Super Silt Fence: 36" x 300' kits.

SPECIAL ORDER, PALLET QUANTITIES ONLY

STEEL SOD STAPLES

11 gauge x 6"1000 per case8 gauge x 8"500 per caseRound Top Sod Pins1000 per case



Blankets vs. No Blankets

Also:

9" x 1/4" Kinked Candy Cane Ground Cover Stakes: Available in safety yellow. Special order only.

GREENYARD PROFESSIONAL FERTILIZER™



| PROFESSIONAL. | | | | | | | | | | | | | | | | | | |
|--|------------------------------|-------|---------|--------|-------|-------------|------|--------|-----|------|------|-------|------------|----|------|---|------|-----|
| | | | | | | SEC | OND | ARY | | MIC | RON | JTRIE | NTS | | SIZE | | | |
| FOR- MULA | NAME | | N | ITROGI | EN | | PHOS | POTASH | | s | Ca | Fe | Zn | Cu | Mn | В | Mo | SGN |
| | | Total | Nitrate | AMM | Urea | Slow Rel | PsO2 | K2O | Mg | 5 | S Ca | re | Zn | Cu | IVIN | В | IVIO | SGN |
| 15-0-5 | 25% XCU, .20% Mal- let | 15.0 | - | 0.00 | 11.25 | 3.75 | 0.0 | 5.0 | 1 | 1 | - | - | - | - | - | - | - | 220 |
| 18-0-4 | 25% XCU, .125 Dimen- sion | 18.0 | - | 1.17 | 12.33 | 4.50 | 0.0 | 4.0 | 1 | 1 | - | - | - | - | - | 1 | - | 220 |
| 15-0-5 | 40% XCU, 85% Trimec | 15.0 | - | 1.95 | 7.05 | 6.00 | 0.0 | 5.0 | - | - | - | - | - | - | - | - | - | 220 |
| 20-0-10 | 50% XCU | 20.0 | - | 1.95 | 8.05 | 10.00 | 0.0 | 10.0 | 1 | 1 | - | - | - | - | - | - | 1 | 220 |
| 19-19-19 | Mineral | 19.0 | - | 7.43 | 11.57 | - | 19.0 | 19.0 | ı | ı | - | - | - | - | - | 1 | - | 220 |
| 16-28-10 | 25% XCU | 16.0 | - | 10.95 | 1.05 | 4.00 | 28.0 | 10.0 | 1 | - | - | - | - | - | - | - | - | 220 |
| 10-20-20 | Mineral | 10.0 | - | 7.83 | 2.17 | - | 20.0 | 20.0 | - | - | - | - | - | - | - | - | - | 220 |
| 10-20-10 | Mineral | 10.0 | - | 7.82 | 2.18 | - | 20.0 | 10.0 | ı | 1 | - | - | - | - | - | - | - | 220 |
| 10-10-10 | Mineral | 10.0 | - | 3.91 | 6.09 | - | 10.0 | 10.0 | ı | ı | 1 | 1 | - | - | 1 | ı | 1 | 220 |
| 10-6-4 | 50% XCU | 10.0 | - | 2.35 | 2.65 | 5.00 | 6.0 | 4.0 | - | - | - | - | - | - | - | - | - | 220 |
| 5-10-10 | Mineral | 5.0 | - | 3.91 | 1.09 | - | 10.0 | 10.0 | 1 | ı | - | - | - | - | - | - | - | 220 |
| MICRONUTRIENT PACKS AVAILABLE FOR ANALYSIS ORDERED IN 2-TON INCREMENTS | | | | | | 6% | 6% | 13% | 10% | 0.05 | 0.05 | 2% | 0.005 % | - | - | | | |

GREENYARD PROFESSIONAL™



| 500041114 | SQUARE FEET PER 50 POUND BAG | | | | | | | | | | |
|-----------|------------------------------|---------|---------|---------|--------|--|--|--|--|--|--|
| FORMULA | 1/16 # N | 1/8 # N | 1/4 # N | 1/2 # N | 1 # N | | | | | | |
| 15-0-5 | 120,000 | 60,000 | 30,000 | 15,000 | 7,500 | | | | | | |
| 18-0-4 | 144,000 | 72,000 | 36,000 | 18,000 | 9,000 | | | | | | |
| 20-0-10 | 160,000 | 80,000 | 40,000 | 20,000 | 10,000 | | | | | | |
| 19-19-19 | 152,000 | 76,000 | 38,000 | 19,000 | 9,500 | | | | | | |
| 16-28-10 | 128,000 | 64,000 | 32,000 | 16,000 | 8,000 | | | | | | |
| 10-20-20 | 80,000 | 40,000 | 20,000 | 10,000 | 5,000 | | | | | | |
| 10-20-10 | 80,000 | 40,000 | 20,000 | 10,000 | 5,000 | | | | | | |
| 10-10-10 | 80,000 | 40,000 | 20,000 | 10,000 | 5,000 | | | | | | |
| 10-6-4 | 80,000 | 40,000 | 20,000 | 10,000 | 5,000 | | | | | | |
| 5-10-10 | 40,000 | 20,000 | 10,000 | 5,000 | 2,500 | | | | | | |

| 50044114 | OUNCES PRODUCT PER 1,000 SQUARE FEET | | | | | | | | | |
|----------|--------------------------------------|---------|---------|---------|-------|--|--|--|--|--|
| FORMULA | 1/16 # N | 1/8 # N | 1/4 # N | 1/2 # N | 1 # N | | | | | |
| 15-0-5 | 7 | 13 | 26 | 53 | 106 | | | | | |
| 18-0-4 | 6 | 11 | 22 | 44 | 88 | | | | | |
| 20-0-10 | 5 | 10 | 20 | 40 | 80 | | | | | |
| 19-19-19 | 5 | 11 | 21 | 42 | 84 | | | | | |
| 16-28-10 | 6 | 12 | 25 | 50 | 100 | | | | | |
| 10-20-20 | 10 | 20 | 40 | 80 | 160 | | | | | |
| 10-20-10 | 10 | 20 | 40 | 80 | 160 | | | | | |
| 10-10-10 | 10 | 20 | 40 | 80 | 160 | | | | | |
| 10-6-4 | 10 | 20 | 40 | 80 | 160 | | | | | |
| 5-10-10 | 20 | 40 | 80 | 160 | 320 | | | | | |

BULLDOG FERTILIZER



| | | PRIMARY | | | | | | SECONDARY MICRONUTRIENTS | | | | | | | | | | | | |
|--------------|-----------------------|----------|--------------|----------|-------|----------|-------|--------------------------|------|------|------|------|------|------|------|------|------|---------|-----|----------------|
| FOR- MULA | NAME | NITROGEN | | NITROGEN | | NITROGEN | | PHOS POTAS | | Mg | s | Ca | Fe | Zn | Cu | Mn | В | Mo | CCE | POTEN- TIAL |
| | | Total | Ni- trate | АММ | Urea | P2O5 | K2O | IVIE | | | 10 | | Cu | | | | | | | |
| 20-20-20 | Multi-Purpose Plus | 20.0 | 5.50 | 3.50 | 11.00 | 20.0 | 20.0 | 0.00 | 0.00 | 0.00 | 0.10 | 0.05 | 0.05 | 0.05 | 0.02 | 0.01 | 580 | Acidity | | |
| 25-0-25 | No Phosphate Plus | 25.0 | 7.50 | 0.00 | 17.50 | 0.0 | 25.0 | 0.00 | 0.00 | 0.00 | 0.20 | 0.02 | 0.01 | 0.06 | 0.01 | 0.01 | 370 | Acidity | | |
| 25-5-20 | Bermuda Grass Plus | 25.0 | 6.00 | 2.50 | 16.50 | 5.0 | 20.0 | 0.00 | 1.70 | 0.00 | 0.20 | 0.02 | 0.01 | 0.06 | 0.01 | 0.01 | 647 | Acidity | | |
| 28-8-18 | Bent Grass Plus | 28.0 | 4.80 | 1.00 | 22.20 | 8.0 | 18.0 | 0.00 | 0.00 | 0.00 | 0.20 | 0.02 | 0.01 | 0.06 | 0.01 | 0.01 | 760 | Acidity | | |
| 30-10-10 | Landscape Plus | 30.0 | 3.00 | 2.00 | 25.00 | 10.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.01 | 0.06 | 0.01 | 0.01 | 1129 | Acidity | | |
| 16-32-16 | Hydroseeder Plus | 16.0 | 3.80 | 5.30 | 6.90 | 32.00 | 16.00 | 0.06 | 0.00 | 0.00 | 0.20 | 0.02 | 0.01 | 0.06 | 0.01 | 0.01 | 700 | Acidity | | |

| EODA ALII A | SQUARE FEET PER 25 POUND BAG | | | | | | | | | |
|-------------|------------------------------|---------|---------|---------|-------|--|--|--|--|--|
| FORMULA | 1/16 # N | 1/8 # N | 1/4 # N | 1/2 # N | 1 # N | | | | | |
| 20-20-20 | 80,000 | 40,000 | 20,000 | 10,000 | 5,000 | | | | | |
| 25-0-25 | 100,000 | 50,000 | 25,000 | 12,500 | 6,250 | | | | | |
| 25-5-20 | 100,000 | 50,000 | 25,000 | 12,500 | 6,250 | | | | | |
| 28-8-18 | 112,000 | 56,000 | 28,000 | 14,000 | 7,000 | | | | | |
| 30-10-10 | 120,000 | 60,000 | 30,000 | 15,000 | 7,500 | | | | | |
| 16-32-16 | 64,000 | 32,000 | 16,000 | 8,000 | 4,000 | | | | | |

| | * Rates Below Based On Phosphate (P2O5) | | | | | | | | | | |
|--------------|--|---------|---------|---------|-------|--|--|--|--|--|--|
| FOR- MULA | SQUARE FEET PER 25 POUND BAG | | | | | | | | | | |
| | 1/16 # P | 1/8 # P | 1/4 # P | 1/2 # P | 1 # N | | | | | | |
| 16-32-16* | 128,000 | 64,000 | 32,000 | 16,000 | 8,000 | | | | | | |

LIMESTONE PRODUCTS



PRO SELECT CALCITIC PELLETED LIMESTONE

A uniform, spherical shaped pellet that is easy and accurate to apply. The calcitic formulation contains 32% elemental calcium and 2% elemental magnesium. Pro Select is the regular or fairway sized prill. Packaged in 50 lb. bags.

PRO SELECT DOLOMITIC PELLETED LIMESTONE

A uniform, spherical shaped pellet that is easy and accurate to apply. The dolomitic formulation contains 21% elemental calcium and 10% elemental magnesium. Pro Select is the regular or fairway sized prill. **Packaged in 50 lb. bags.**

PRO SELECT PELLETED GYPSUM

Manufactured using advanced pulverizing, sizing and pelletizing procedures, Pro Pelleted Gypsum is superior in enhancing soil porosity, accelerating composting and supplying calcium and sulfur without changing soil pH. Pro Select is the regular or fairway sized prill. **Packaged in 50 lb. bags.**

MICRO SELECT CALCITIC PELLETED LIMESTONE

A uniform, spherical shaped pellet that is easy and accurate to apply. The calcitic formulation contains 32% elemental calcium and 2% elemental magnesium. Micro Select is the greens grade sized prill. **Packaged in 50 lb. bags.**

MICRO SELECT DOLOMITIC PELLETED LIMESTONE

A uniform, spherical shaped pellet that is easy and accurate to apply. The dolomitic formulation contains 21% elemental calcium and 10% elemental magnesium. Micro Select is the greens grade sized prill. **Packaged in 50 lb. bags.**

MICRO SELECT PELLETED GYPSUM

Manufactured using advanced pulverizing, sizing and pelletizing procedures, Pro Pelleted Gypsum is superior in enhancing soil porosity, accelerating composting and supplying calcium and sulfur without changing soil pH. Micro Select is the greens grade sized prill. Packaged in 50 lb. bags.

GUIDE LINE WHITE ATHLETIC FIELD MARKER

Manufactured using advanced pulverizing procedures to provide a uniform and finely ground product with a bright white appearance. Guide Line meets NCAA specifications and uses no-burn calcium carbonate. **Packaged in 50 lb. bags.**

SOLU-CAL SOIL ADDITIVES





SOLU-CAL HIGH CALCIUM LIME

4x the Power of Lime, saves time, money and storage space. Improves soil texture & reduces soil compaction. OMRI listed for organic use. Dust- free formula is ground finer than 45 microns before pelletizing. Adjusts pH in 6-8 weeks! Increases seedling vigor and stand density.

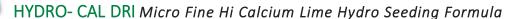
SOLU-CAL L 6-0-0 8% CA LIQUID

Improves soil structure, stimulates root and leaf development, regulates soil pH, strengthens cell walls, promotes better germination and stand development. For use in hydroseeders or spray programs.



SOLU-CAL 6-12-6 with 22% CA STARTER FERTILIZER

PHCA Humic/ Fulvic Acid technology enhances the plant's ability to convert both the applied and stored nutrients into an available form for plant uptake, soil pH adjustment and root development.



Super high concentration of micro fine limestone, 38% calcium, low Mg content. Soluble Calcium increased seedling density and decreases weed pressure. Provides available Calcium and improves nutrient uptake in low pH and low Calcium soils. Improves soil texture and health.

Humi[K] WSG 100% soluble organic

Can be applied through a hydroseeder or broadcast at a rate of 12lbs per acre. Greatly improved seedling and root development.

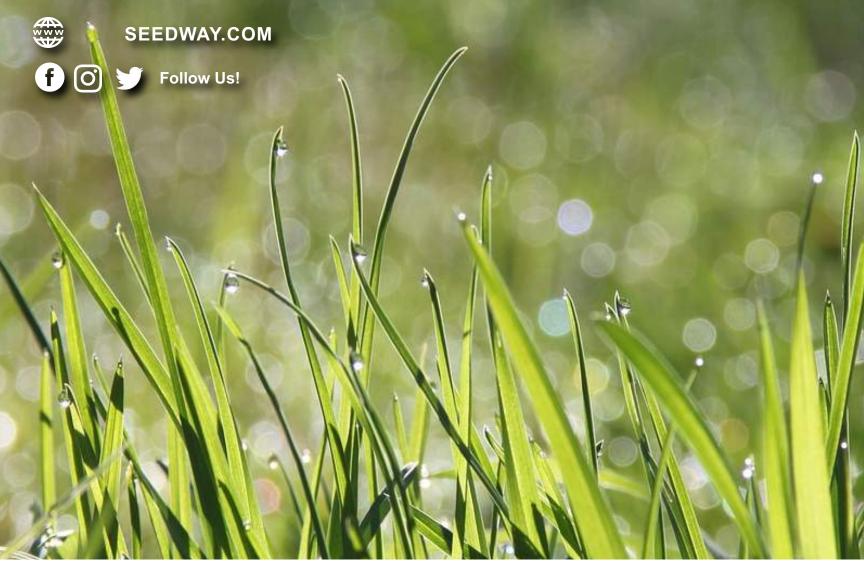


SEEDWAY ALSO OFFERS A FULL LINE OF MYCORRHIZAL APPLICATION PRODUCTS FOR SPECIAL ORDER REQUEST

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