

Golf and SportsTurf Products



LebanonTurf's advanced fertilizers, bionutritional products and grass seed have been helping turf professionals produce healthy turf for 75 years. LebanonTurf is the only company that offers both microbiological components along with advanced controlled release fertilizer products.

LebanonTurf

Rooted in Tradition, Growing through Innovation™

LebanonTurf.com | 1-800-233-0628



LebanonTurf Brands

LebanonTurf provides innovative and high performance products to the golf and sports turf industries in North America and around the world. LebanonTurf is an industry leader in producing advanced technology fertilizers, grass seed and biological products. Golf course superintendents and Sports Turf Managers count on LebanonTurf brands: Country Club[®], Country Club[®] MD, Country Club[®] IV, ProScape[®], Emerald Isle Solutions[™], Specialty Products, Grass Seed, and Penmulch[®], to help them be successful in their endeavors to create and maintain the best quality turf.

Country Club[®]

Country Club is LebanonTurf's high performance fertilizer and combination products designed specifically for golf courses, sports turf and other highly maintained turf. Country Club includes both blended and homogeneous products, produced with our trusted Composite Technology granulation process. Our proprietary technologies Meth-Ex[®], MESA[®], EXPO[®] MESA-XP and U-Form are used extensively throughout the product line.

Country Club[®] MD Maximum Dispersion

Country Club MD is an innovative fertilizer developed to provide superior turf quality and golf course playability. It is uniquely formulated to consistently deliver the optimum nutrients and stress-buffering biostimulants that your playing surfaces need to stay healthy all season long. It utilizes a unique, highly dispersible granule technology that includes the stress-buffering biostimulants sea plant kelp meal and humic acid. Country Club MD features Meth-Ex[®] slow release, methylene urea nitrogen combined into an SGN 80 particle size that is ideal for putting greens.

Country Club[®] IV Increased Visibility

Country Club IV is a premium greens grade fertilizer developed to provide superior turf quality and golf course playability. It is specifically designed with a lighter granule color to help assist with easier, more accurate putting greens applications. It utilizes Meth-Ex high-activity methylene urea nitrogen that delivers excellent color response and consistent long-term feeding. Country Club IV also supplies immediately available, non-turfburning sulfate of potash which promotes root growth, encourages photosynthesis and elevates the turf plant's ability to handle environmental stress.

The ProScape logo features the word "Pro" in a stylized green font with horizontal lines, followed by "Scape" in a bold black font with a registered trademark symbol.The PennMulch Seed Starter logo features the words "PennMulch" in a bold black font with a green leaf icon above the "M", followed by "Seed Starter" in a larger, bold black font with a trademark symbol.

ProScape fertilizers and fertilizer combination products offer Turf Managers a wide selection of fertilizer products, along with easily and accurately applied fertilizer combination weed and insect controls. In the ProScape brand of products you'll find the exclusive technologies Meth-Ex, a high efficiency methylene urea, MESA, a specially formulated nitrogen known for delivering brilliant color response and MESA-XP, a unique nitrogen source that optimizes turf performance while minimizing environmental impact.

Emerald Isle Solutions' TrueFoliar® nutrition is more than just high-quality, foliar-absorbed nutrients. It also incorporates seaweed extract, antioxidants, fulvic acids, and amino acids. This complete nutritional approach increases the turf's ability to withstand stress, drought, and disease pressure and to produce carbohydrate reserves and root mass. Such a comprehensive approach goes beyond just "feeding" turf, and ensures turfgrass managers consistently optimal turf quality.

Lebanon Specialty control products are a group of pesticides that are in an easy to use granular form. They include pre-emergent and post-emergent herbicides, insecticides and fungicides.

LebanonTurf's wide selection of award-winning seed varieties deliver quality and performance. LebanonTurf's varieties exhibit traits that resist disease and insects, improve durability and enhance color.

PennMulch Seed Starter is a pelleted seeding mulch uniquely formulated to include starter fertilizer to support quick grass seed germination and establish new or repaired turf. PennMulch stores moisture critical for successful germination and with the Hydrobond™ tackifier it holds seed in place for consistent establishment.

LebanonTurf Technologies & Amendments

LebanonTurf continues to explore and develop the industry's most advanced turf management technologies to deliver the ultimate in efficient, cost effective products to Golf and Sports Turf Managers. Our technologies are recognized by turf managers as proven applications of science and experience at work.

The logo for METH-EX is presented in a dark teal, rounded rectangular box with a white border. The text 'METH-EX' is written in a bold, white, sans-serif font with a slight shadow effect.

Meth-Ex is a high activity methylene urea nitrogen source that provides extended turf feeding without the need for coatings. Microbial release allows Meth-Ex to release nitrogen when the turf needs it the most. The result is a quick color response with no surge growth and a consistent and reliable long-term feeding schedule. **Meth-Ex technology is found in our ProScape and Country Club® brands.**

The logo for MESA is written in a large, bold, blue, sans-serif font with a slight shadow effect.

MESA® is our unique nitrogen source that gives you exceptional results with improved environmental sustainability. The homogeneous particle is a combination of ammonium sulfate and methylene urea which provides consistent, dark green color without surge growth. MESA has extremely low volatilization, provides nitrogen to plants when they need it most and doesn't lose its properties when cracked, chipped, crushed or broken. **MESA technology is found in our Country Club® and ProScape® brands.**

The logo for MESA XP features the word 'MESA' in a blue, outlined, sans-serif font, followed by 'XP' in a smaller, bold, blue, sans-serif font.

MESA-XP® is our cutting-edge advancement in nutrient sources designed to optimize performance while minimizing environmental impact. Homogeneous granules from MESA-XP provide a unique combination of nitrogen in two distinct forms, delivered through three separate mechanisms, and includes a controlled-release potassium source. By incorporating potassium sulfate into the granule, MESA-XP ensures superior nutrient distribution, improved plant uptake and significantly reduced leaching loss. The results are nothing short of remarkable: rapid green-up, sustained and prolonged nitrogen and potassium feeding, and minimal environmental impact. **MESA-XP technology is found in our Country Club® and ProScape® brands.**

The logo for expo features the word 'expo' in a large, lowercase, black, sans-serif font. Below it, the words 'POTASSIUM SULFATE' are written in a smaller, uppercase, black, sans-serif font.

Expo is LebanonTurf's patented, single-particle, extended release potassium sulfate technology. Expo is designed to deliver potassium to the turf in a reliable and predictable rate over a longer period of time, well beyond that of the standard potassium sulfate found in most fertilizers. Additionally, Expo delivers controlled release nitrogen. **Expo is found in our ProScape and Country Club® brands.**

The logo for U-FORM is written in a bold, black, sans-serif font inside a blue, rounded rectangular box with a white border.

U-Form® is a uniform granule of urea formaldehyde that provides predictable long term feeding. Nitrogen from U-Form is released by microbial activity that mirrors a plant's need for nutrition, and delivers consistent release of nutrients for up to 26 weeks. **U-Form technology is found in our Country Club® and Woodace brands.**

C O M P O S I T E T E C H N O L O G Y [™]

CHELATION TECHNOLOGY

MICROBIAL TECHNOLOGY

MYCORRHIZAL TECHNOLOGY

BIOSTIMULANTS

LebanonTurf's patented Composite Technology manufacturing process produces a superior fertilizer granule by fusing premium forms of nitrogen with phosphorus, potassium and micronutrients. This revolutionary process creates a unique dispersible granule with improved integrity properties. Composite Technology is used to create micro greens grade size (SGN 80), mini-sized (SGN 150) and standard size fertilizer products. **Composite Technology is found in our Country Club brand.**

Micronutrients are essential to the overall health of the plant, but are oftentimes tied up due to the pH of the soil or water being used to apply the product. Several Emerald Isle Solution products are manufactured using chelation, a process that allows micronutrients to stay soluble for an extended period of time and thus allow for plant uptake. **Chelation Technology is found in our Emerald Isle Solutions brand.**

Forest soils are teeming with beneficial microbes, which contribute to the growth, health, and nutrition of forest plants. Unfortunately, many soils often lack this biological diversity. Several Emerald Isle Solutions products deliver various species of beneficial bacteria selected for their ability to enhance soil fertility and plant nutrition therefore improving soil structure. In natural forest soils and constructed turf areas, microbes are not just beneficial; they're essential to healthy plant growth. **Microbial Technology is found in our Emerald Isle Solutions brand.**

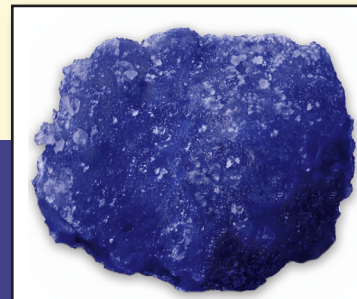
Mycorrhizal fungi expand the root zone and allow plants the ability to take in necessary water, nutrients and micronutrients that would otherwise not be available. Plant survival and performance can be improved by incorporating a diverse population of mycorrhizal fungi at planting and transplanting time. **Mycorrhizal Technology is found in our Emerald Isle Solutions brand.**

Sea plant extracts are natural amendments for increasing the organic content of soil and improving overall stress tolerance. Seaweed products are completely biodegradable and provide an excellent nutrient source for beneficial rhizosphere bacteria to multiply and become established in the root zone. Humic acids are powerful organic chelators that solubilize important minerals needed by plants. Humic acids help release bound mineral nutrients and hold them in soluble form where they are readily available for uptake by plant roots. **Biostimulants are found in our Emerald Isle Solutions brand.**

Nutrient Sources

MESA^{XP}

MESA-XP is our cutting-edge advancement in nutrient sources designed to optimize performance while minimizing environmental impact. Homogeneous granules from MESA-XP provide a unique combination of nitrogen in two distinct forms, delivered through three separate mechanisms, and includes a controlled-release potassium source. By incorporating potassium sulfate into the granule, MESA-XP ensures superior nutrient distribution, improved plant uptake and significantly reduced leaching loss. The results are nothing short of remarkable: rapid green-up, sustained and prolonged nitrogen and potassium feeding, and minimal environmental impact.



Healthier Turf

MESA-XP delivers multiple benefits to the turfgrass plant, including more nitrogen stored in the crown and no surge growth. Controlled release potassium also provides environmental stress resistance, reduced disease incidence and expedited turf recovery from damage and stress.

Excellent Longevity

MESA-XP provides up to 16 weeks of controlled release nitrogen and potassium in addition to quick and slow-release forms of nitrogen for quick green-up and long-term consistent feeding.

Superior Nutrient Distribution

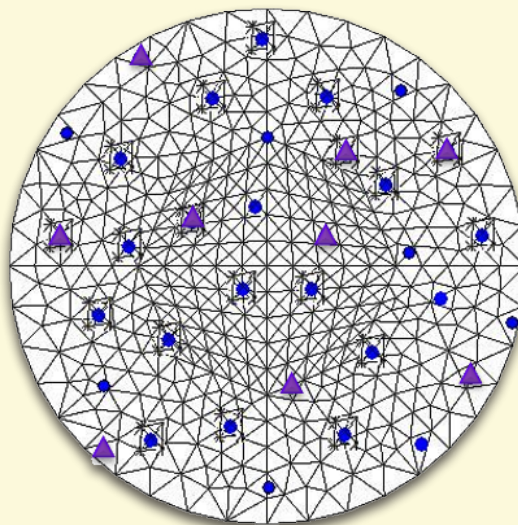
MESA-XP's homogeneous granules ensure nutrients are applied consistently and cohesively to the soil surrounding the turfgrass plant.

Easy to Spread

The distinctive indigo color of MESA-XP is easy to see, as it is visible both in the air as the product is being spread and while it's on the ground.

Environmental Impact

Unlike urea, MESA-XP does not contribute to greenhouse gas emissions as it strictly limits volatilization and therefore minimizes gaseous nitrogen loss to the atmosphere. While standard potassium sources tend to leach quickly into the soil profile, MESA-XP's predictable potassium release rate extends the turf's uptake window ensuring improved plant nutrient retention with minimal loss and impact on the environment.



The **blue dots** represent ammonium sulfate granules and the **purple triangles** represent the **potassium sulfate** trapped in the polymer mesh of METH-EX.

Nutrient Sources



U-FORM

39-0-0

U-Form technology is a slow-release fertilizer that is made by combining urea and formaldehyde. Urea when combined with formaldehyde creates a resin that can slow down the release of nitrogen over time. This slow-release nature means that fertilizers containing U-Form can provide a steady supply of nutrients to plants for up to 26 weeks.

- 89% of nitrogen is slow release (26% W.I.N. and 9% O.W.I.N.)
- Provides nitrogen to plants and energy rich carbon for soil microbial populations
- Nitrogen released by microbial activity which mirrors a plant's need for nutrition while actively growing
- Homogenous granules in both Standard grade and SGN 150

Granular Fertilizer

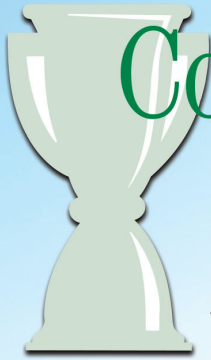
Item #	Item Description	Approx. Bag Coverage (Sq.Ft.)	Lbs. Product /1000 Sq. Ft.	Lbs Product /Acre	Nutrients Lbs per 1,000 sq. ft.		
					N	P	K
Country Club MD - Micro Greens Grade SGN 80 40 Lb. Bags							
2129078	CCMD 11-7-21 60% Meth-Ex Fe / Mg / Mn	8,300	4.80	209	0.53	0.34	1.01
2135736	CCMD 12-0-4 65% Meth-Ex Fe / Mg / Mn	9,500	4.20	183	0.50	0.00	1.00
2129076	CCMD 12-24-8 Starter 540% Meth-Ex	9,500	4.20	183	0.50	1.00	0.34
2129072	CCMD 14-7-14 70% Meth-Ex Fe / Mg / Mn	11,100	3.60	157	0.50	0.25	0.50
2129101	CCMD 16-0-8 Ammoniacal Fe / Mg / Mn	12,900	3.10	135	0.50	0.00	0.25
2135734	CCMD 18-0-18 64% Meth-Ex Fe / Mg / Mn	14,300	2.80	122	0.50	0.00	0.50
2129074	CCMD 18-3-18 78% Meth-Ex Fe / Mg / Mn	14,300	2.80	122	0.50	0.09	0.50
2135737	CCMD 22-0-16 64% Meth-Ex Fe / Mg / Mn	17,400	2.30	100	0.51	0.00	0.37
Country Club IV - Micro Greens Grade SGN 80 40 Lb. Bags							
2137228	CCIV 0-0-25 SOP 2% Mg 2% Mn	10,000	4.00	174	0.00	0.00	1.00
2137188	CCIV 17-0-17 50% Meth-Ex SOP 1% Fe .5% Mn	13,300	3.00	131	0.51	0.00	0.51
2137103	CCIV 18-3-18 85% Meth-Ex SOP	14,300	2.80	122	0.50	0.08	0.50
2137190	CCIV 18-9-18 70% Meth-Ex SOP .5% Fe .5% Mg .28% Mn	14,300	2.80	122	0.50	0.08	0.50
2137193	CCIV 24-3-12 75% Meth-Ex SOP	19,000	2.10	92	0.50	0.06	0.25
Country Club All Natural Greens Grade Fertilizer SGN 90 40 Lb. Bags							
2737192	CC Natural 10-0-4 93% SRN	10,000	5.00	218	0.50	0.00	0.20
Fertilizer + Mycorrhizal Fungi SGN 100							
2737101	CC Root Reviver 3-3-4	6,250	8.00	349	0.24	0.24	0.32
Country Club Blended Fertilizer with Humic Max® Humic Acid SGN 150							
2237132	CC 8-4-24 65% MESA with 11.6% Humic Max	8,000	6.20	270	0.50	0.25	1.50
2237126	CC 14-0-14 70% MESA with 11.2% Humic Max	7,800	6.40	279	0.90	0.00	0.90
2237129	CC 16-0-8 35% MESA with 12.8% Humic Max	8,900	5.60	244	0.90	0.00	0.45
Straight Fertilizer SGN 150							
2141456	CC 16-4-8 Ammoniacal Fe	11,600	4.30	187	0.69	0.17	0.34
2154241	PS 20-0-25 100% Meth-Ex 100% EXPO	11,000	4.50	196	0.90	0.00	1.25
2140590	CC 26-0-5 52% Meth-Ex	14,700	3.40	148	0.88	0.00	0.17
2135763	CC 27-0-5 100% MESA-XP ^	15,200	3.40	144	0.89	0.00	0.17
2137246	CC 39-0-0 100% U-FORM	21,700	2.30	100	0.90	0.00	0.00
2154292	PS 40-0-0 100% Meth-Ex	22,700	2.20	96	0.88	0.00	0.00
Blended Fertilizer Standard Grade							
2229085	CC 22-0-12 50% Meth-Ex	12,200	4.10	179	0.90	0.00	0.49
2237090	CC 25-0-15 50% MESA 1% Fe	13,900	3.60	157	0.90	0.00	0.54
2229084	CC 29-0-10 36% MESA	16,100	3.10	135	0.90	0.00	0.31
Specialty Granular Fertilizer							
2118830	Emerald Isle GroWin Biostimulant 5-1-2	2,800	18.00	784	0.90	0.18	0.36

Granular Fertilizer

Item #	Item Description	Approx. Bag Coverage (Sq.Ft.)	Lbs. Product /1000 Sq. Ft.	Lbs Product /Acre	Nutrients Lbs per 1,000 sq. ft.			Lbs. Act. In-gredient / Acre
					N	P	K	
Blended Fertilizer SGN 150								
2237235	CC 10-0-18 100% MESA-XP SOP	10,000	5.00	218	0.50	0.00	0.90	
2237213	CC 10-18-18 Starter 55% MESA SOP	10,000	5.00	218	0.50	0.90	0.90	
2235743	CC 17-0-17 100% Meth-Ex 100% EXPO ^	9,400	5.30	230	0.90	0.00	0.90	
2237226	CC 18-0-10 100% MESA-XP SOP	17,900	2.80	122	0.50	0.00	0.30	
2235750	CC 19-0-19 100% MESA 3% Fe SOP	10,600	4.70	205	0.89	0.00	0.89	
2237174	CC 19-0-19 80% Meth-Ex 100% EXPO 25% Fe	10,600	4.70	205	0.89	0.00	0.89	
2237116	CC 20-0-10 60% MESA 100% EXPO	11,100	4.50	196	0.90	0.00	0.45	
2237216	CC 22-0-12 50% U-FORM 25% MESA SOP	12,500	4.00	175	0.88	0.00	0.48	
2237088	CC 24-0-12 60% MESA 40% Meth-Ex 100% EXPO ^	13,500	3.70	161	0.89	0.00	0.44	
2237219	CC 30-0-5 60% U-FORM 20% MESA SOP	16,600	3.00	130	0.90	0.00	0.15	
Fertilizer with Pre-Emergent Herbicide - Standard Grade								
2237262	CC 0-0-7 MOP .125 StayGuard	10,900	4.60	200	0.00	0.00	0.32	0.25
2237264	CC 5-0-15 All Mineral + .125% StayGuard	10,900	4.60	200	0.23	0.00	0.69	0.25
2237266	CC 20-0-8 40% MESA + .125% StayGuard	10,900	4.60	200	0.90	0.00	0.37	0.25
2237197	CC 0-0-7 MOP 1% Oxadiazon	10,900	4.60	200	0.00	0.00	0.32	0.25
2237135	CC 0-0-7 MOP 1% Ronstar	10,900	4.60	200	0.00	0.00	0.32	0.25
2237137	CC 5-0-20 All Mineral + 1% Ronstar	10,900	4.60	200	0.23	0.00	0.90	0.25
2237139	CC 20-0-8 40% MESA + 1% Ronstar	10,900	4.60	200	0.90	0.00	0.37	0.25
Fertilizer with Mesotrione Herbicide 40 Lb. Bags								
2253963	PS 20-0-4 100% PCSCU SOP 8% Ca .08% Mesotrione (SGN 150)	9,300	4.30	187	0.86	0.00	0.17	0.15
2153867	PS 21-22-4 Starter .08% Mesotrione (SGN 125)	9,300	4.30	187	0.90	0.94	0.17	0.15
Fertilizer with Acelepryn Insecticide + Dimension Herbicide SGN 150								
2237118	CC 0-0-7 SOP .067% Acel + .167% Dim	14,500	3.44	150	0.00	0.00	0.24	*
2237112	CC 25-0-5 51% MESA 100% EXPO .067% Acel + .167% Dim	14,500	3.44	150	0.90	0.00	0.18	*
2237120	CC 30-0-10 100% Meth-Ex & EXPO .067% Acel + .167% Dim^	14,500	3.44	150	1.00	0.00	0.34	*
2237122	CC 30 0-10 100% Meth-Ex & EXPO .067% Acel + .253% Dim	14,500	3.44	150	1.00	0.00	0.34	**
2237114	CC 38-0-0 100% Meth-Ex & EXPO .067% Acel + .253% Dim^	14,500	3.44	150	1.30	0.00	0.00	**
Fertilizer with Acelepryn Insecticide + Dimension Herbicide Standard Grade								
2254802	PS 13-0-5 50% MESA 100% EXPO .067% Acel .167% Dim	14,535	3.44	150	0.45	0.00	0.17	*
2253874	PS 17-0-5 30% PCU MOP .067% Acel .167% Dim	14,535	3.44	150	0.58	0.00	0.28	*
2254814	PS 19-0-9 50% MESA 100% EXPO .067% Acel .253% Dim	14,535	3.44	150	0.65	0.00	0.31	**
2253933	PS 24-0-8 40% PCU .067% Acel .167% Dim	14,535	3.44	150	0.83	0.00	0.28	*
2254804	PS 25-0-5 51% MESA 100% EXPO .067% Acel .167% Dim ^	14,535	3.44	150	0.86	0.00	0.17	*
Fertilizer with Post-Emergent Herbicide SGN 150								
2237221	CC 0-0-7 SOP + LockUp	14,550	3.44	150	0.00	0.00	0.24	1.70
2229159	CC 22-0-4 25% MESA + Trimec	11,000	3.64	157	0.80	0.00	0.14	1.57

* Acelepryn AI per Acre = 0.10 / Dimension AI per Acre = 0.25 ** Acelepryn AI per Acre = 0.10 / Dimension AI per Acre = 0.38 ^ Available in Bulk Totes
 NOTE: Coverages based on typical usage. Please visit our website at www.LebanonTurf.com for label / SDS and product information

Granular Fertilizer



Country Club®



Country Club Greens Grade Products

LebanonTurf's Country Club branded greens grade products have been providing healthy nutrients that deliver superior putting green conditions to golf course superintendents for over 50 years. No matter what the maintenance goals are, Country Club has a line of products that fits every agronomic situation.

Country Club® **MD** Maximum Dispersion

Country Club MD products combine stress-buffering biostimulants incorporated directly into each granule to help manage environmental stress while also providing reliable, consistent nutrition.

Country Club® **IV** Increased Visibility

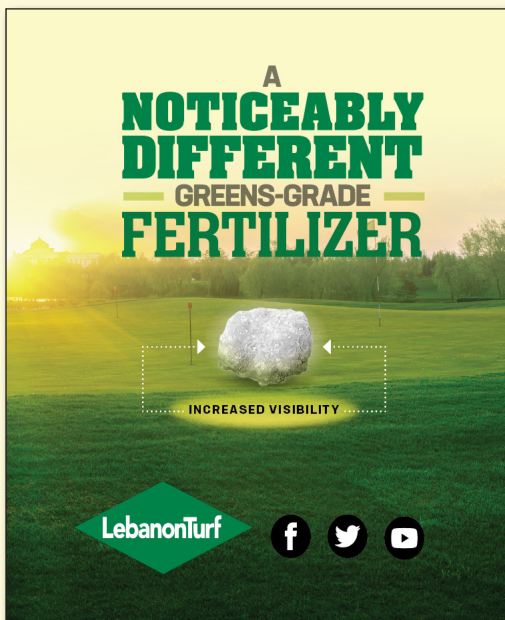
Country Club IV products offer lighter colored granules that make fertilizer applications easier to see in addition to delivering long-lasting nutrients for the putting green.

Country Club *Natural*

Country Club Natural provides an all-natural solution for putting green nutrition without the use of any synthetic or animal manure components.

ROOT REVIVER

Country Club Root Reviver delivers faster aerification recovery and root growth with mycorrhizae fungi plus natural and synthetic nutrients.



Country Club IV (Increased Visibility), the latest premium greens grade products from LebanonTurf that have been specifically designed with lighter color granules to help ensure more accurate and effective fertilizer applications to the putting surface. Featuring Meth-Ex® high-activity methylene urea slow-release nitrogen, they deliver consistent and predictable long-term feeding.

Country Club IV Products

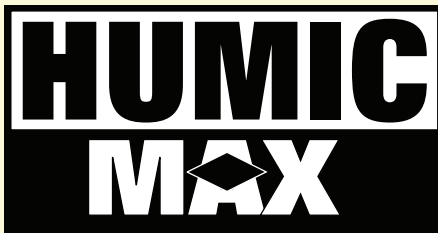
0-0-25	SOP 2% Mg 2% Mn
17-0-17	50% Meth-Ex SOP 1% Fe .5% Mn
18-3-18	85% Meth-Ex SOP
18-9-18	70% Meth-Ex SOP .5% Fe .5% Mg .28% Mn
24-3-12	75% Meth-Ex SOP

Granular Fertilizer

Country Club® **ROOT REVIVER**

Take the pain out of aerification with Country Club Root Reviver 3-3-4. As a natural based granular fertilizer with an NPK of 3-3-4, Country Club Root Reviver is designed specifically for use on golf course putting greens to quicken aerification recovery by speeding up root growth and increasing turf density. Country Club Root Reviver features organic sources of nitrogen for slow release feeding along with potassium sulfate for the immediate availability of potassium and the added benefit of a small amount of sulfur. With a complete nutrient package that provides kelp meal, vitamins, humic acids and Endo Mycorrhizae Fungi to improve soil and plant health, Country Club Root Reviver aids in maintaining superior putting green conditions all season long.

**FASTER
ROOT GROWTH
FOR
FASTER AERATION
RECOVERY**



Humic Max® is LebanonTurf's branded humic acid component specifically intended to optimize plant and soil health while mitigating environmental stress on the turf plant. The numerous real-world benefits of combining this biostimulant with turfgrass specific nutrition illustrate the positive synergy between the two by maximizing the plant and soil performance throughout the growing season.

Fertilizers containing Humic Max will simultaneously feed both the plant and the soil, allowing you to better utilize the bound up nutrients already present in the soil. They will also influence the turfgrass plant to function more efficiently by stimulating multiple internal functions to help promote root growth, chlorophyll development and trigger the natural defense mechanism to protect it during times of environmental stress. Fertilizers with Humic Max will deliver everything you need to maximize the potential of your turf.

To understand how Humic Max can achieve this level of performance, a basic understanding of how humic substances work and what they actually do in the soil and to the turfgrass is important.

Country Club Products with Humic Max

8-4-24 65% MESA with 11.6% Humic Max
14-0-14 70% MESA with 11.2% Humic Max
16-0-8 35% MESA with 12.8% Humic Max



Liquid Fertilizers

Emerald Isle Solutions™ Seaplant Extract Based Products

CPR Premix Biostimulant 4-0-1 (60% Seaplant Extract + Micronutrients + Wetting Agent)	3118800	2 x 2.5 gal	36
	3118801	15 gal drum	14
PanaSea Plus Seaplant Extract 0-2-2 (100% Seaplant Extract + Phosphoric acid)	3118802	2 x 2.5 gal	36
	3118803	15 gal drum	14
Fairway SeaSequential 6-0-2 (Fe EDTA + Fe Citrate + 47% Seaplant Extract)	3118823	2 x 2.5 gal	36



Emerald Isle Solutions™ True Foliar Fertilizers

True Foliar N 19-1-6 (Urea + Ammonium Nitrate + Fe/Mn/Zn/Cu)	3118805	2 x 2.5 gal	36
	3118806	15 gal drum	14
True Foliar NPK Plus 10-3-16 (Potassium Phosphoric + 30% Seaplant Extract)	3118809	2 x 2.5 gal	36
	3118810	15 gal drum	14
True Foliar Si 3-0-10 (K Citrate & Carbonate + 1% Silicon + 45% Seaplant Extract)	3118813	2 x 2.5 gal	36
	3118814	15 gal drum	14
True Foliar Mg Mn 6-0-0 (Mg Nitrate + Mn Nitrate + 30% Seaplant Extract)	3118819	2 x 2.5 gal	36
	3118820	15 gal drum	14

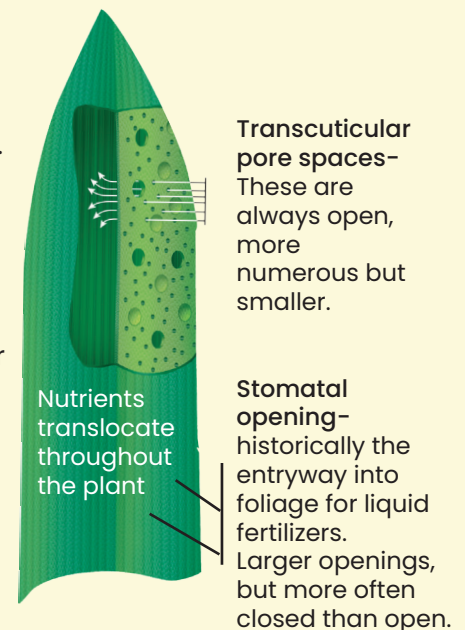


Emerald Isle Solutions True Foliar® vs. "Liquids"

All foliar fertilizers are liquids, but not all liquids are TrueFoliar. In other words, don't confuse the method of application with how a plant absorbs what's applied. Just because you're spraying it on doesn't mean you're spraying it in.

It's well known that turfgrass plants are capable of taking up nutrients through the leaf tissue. It's also been established that the stomates, or larger openings in the leaf tissue, are not likely the primary means of entry for foliar nutrients. Under favorable environmental conditions, stomates may be open and allow nutrient entry. However when stress occurs, these stomatal guard cells close to conserve moisture which renders them incapable of taking in nutrients.

Transcuticular pores, which are far more numerous than stomates, are always open. Transcuticular pores are much, much smaller than stomates and their opening walls carry a negative electrical charge. They can serve as entry points for nutrients if the nutrients are in a form that is small enough to enter. Emerald Isle Solutions TrueFoliar® products sidestep the electrochemical and physical obstacles by formulating nutrients into a non-traditional matrix. This protects the nutrient chemistry, enhances uptake and utilization, and minimizes the potential for leaching.



Liquid Fertilizers

Emerald Isle Solutions™ Enhanced Liquid Fertilizer

Fe-6% Plus 6-0-2 Iron Chelate and Kelp Extract

Fe 6% Plus is a chelated iron fertilizer with the added benefits of seaplant extract for turf stress. Provides tournament green-up without increased turf growth. The seaplant extract increases the turf's ability to withstand heat stress, tolerate drought and resist disease by producing carbohydrate reserves and root mass.



Key product benefits of Fe 6% Plus:

- Quick visual green-up response without rapid turf growth
- Improves turf's defensive ability to grow through stress periods.

How to Apply: Foliar Spray or drench

Available in: 2/2.5 gallon containers / 36 cases per pallet - #37-18983

1-2-3 Pre-Mix Plus Microbially Enhanced Plant Nutrition

1-2-3 Premix Plus provides chelated micronutrients plus a blend of microbial cultures. It provides deeper root mass, greener color without rapid growth and improved turf health. The improved formula delivers faster recovery and quicker green-up from drought conditions. For use on greens, tees, sports turf, when overseeding, installing sod, turf renovation, during fertigation and for injection.



Key product benefits of 1-2-3 Pre-mix:

- Deeper roots
- Greater root mass development
- Greener color without rapid growth
- Improved turf health

How to Apply: Spray or drench, then water in

Available in: 2/2.5 gallon containers / 36 cases per pallet - #37-18986

Turf Vigor 9-3-6

TurfVigor combines patented high impact microbial strains, and macro- and micronutrients in one formulation. This product is designed to increase turfgrass stress tolerance associated with temperature, drought, physical injury, and other environmental conditions. It maximizes nutrient uptake improving turf color and quality. For use on greens, tees, fairways, lawns, athletic fields, and when overseeding.



Key product benefits of TurfVigor:

- Maximized nutrient uptake
- Improves color and quality
- Maintains root mass under stress conditions
- Accelerates physical damage recovery

How to Apply: Foliar Spray - spray, drench, fertigation, then water in

Available in: 2/2.5 gallon containers / 36 cases per pallet - #37-18977

Micro Mix 0-3-5 Chelated Liquid Micro-Nutrients

Micro Mix Chelated Liquid is a highly concentrated product with a low application rate. It contains micro nutrients including Magnesium, Sulfur, Boron, Iron, Manganese, and Zinc. It provides rapid green-up without staining. For use when transplanting and maintaining trees and shrubs, also on greens, tees, and fairways.



Key product benefits of Micro-Mix 0-3-5:

- Quick visual response without rapid growth
- Longest lasting green-up
- Will not stain surfaces - including concrete
- Highly concentrated with low application rate

How to Apply: Foliar Spray or drench

Available in: 2/2.5 gallon containers / 36 cases per pallet - #37-18989

Fungicides and Insecticides

Fungicides and Insecticides

Lebanon Eagle Fungicide

Key product benefits of Lebanon Eagle Fungicide

- A granular disease control product
- For general turf use
- Utilizes Eagle branded myclobutanil at 0.62% - a Group 3 Fungicide belonging to the DMI class
- Eagle is a registered trademark of Dow AgroSciences LLC.



Approx Sq. Ft. covered per bag: 10,000
Lbs./1,000 Sq. Ft.: 2.5 / Lbs. Product per acre: 109
Available in: 25 lb. bag / #24-42059

Dylox 6.2G Insecticide

Key product benefits of Dylox 6.2G Insecticide

- A straight insect control product
- For general turf use
- Contains Dylox at 6.2% for quick control of grubs and other sub-surface insects
- Dylox is a registered trademark of Bayer Environmental Science



Approx Sq. Ft. covered per bag: 15,000
Lbs./1,000 Sq. Ft.: 2.0 / Lbs. Product per acre: 87
Available in: 30 lb. bag / #14-18587

Lebanon Daconil 5% Fungi Fungicide

Key product benefits of Lebanon Daconil 5% Fungicide

- A granular disease control product
- For general turf use
- Utilizes Daconil branded chlorothalonil fungicide at 5%
- Contact mode of action for curative efficacy
- Daconil is a registered trademark of Syngenta.



Approx Sq. Ft. covered per bag: 5,400
Lbs./1,000 Sq. Ft.: 3.75 / Lbs. Product per acre: 163
Available in: 25 lb. bag / #24-35395

Dylox 9.3G Insecticide

Key product benefits of Dylox 9.3G Insecticide

- A straight insect control product
- For general turf use
- Contains Dylox at 9.3% which quickly controls grubs and other sub-surface insects
- Dylox is a registered trademark of Bayer Environmental Science



Approx Sq. Ft. covered per bag: 10,000
Lbs./1,000 Sq. Ft.: 2.0 / Lbs. Product per acre: 87
Available in: 20 lb. bag / #14-18584

Lebanon PPZ .72 Granular Fungicide

Key product benefits of PPZ .72 Granular Fungicide

- A granular disease control product
- For general turf use
- Utilizes Propiconazole at .72%



Approx Sq. Ft. covered per bag: 10,000
Lbs./1,000 Sq. Ft.: 2.50 / Lbs. Product per acre: 109
Available in: 25 lb. bag / #24-46687

Lebanon Azoxi and PPZ Dual Action Fungicide

Key product benefits of Azoxi + PPZ Dual Action granular fungicide

- A granular disease control product
- Reduces application rate and intervals compared to PPZ alone
- Utilizes Azoxystrobin at .31% and Propiconazole at .75%








Approx Sq. Ft. covered per bag: 15,000
Lbs./1,000 Sq. Ft.: 2 / Lbs. Product per acre: 87
Available in: 30 lb. bag / #24-42104

Seed and Seed Accelerator

Creeping and Velvet Bentgrass

LebanonTurf's wide selection of award-winning seed varieties deliver quality and performance. LebanonTurf's varieties exhibit traits that resist disease and insects, improve durability and enhance color.

Seed Variety	Item #/ Package Size	Features
 <p>DECLARATION CREEPING BENTGRASS</p>	58-66863 25 lb. bucket 36 per pallet	<ul style="list-style-type: none"> Top ranked for overall turf quality Top ranked for dollar spot resistance Top ranked for mowing quality Top ranked for summer density Excellent resistance to brown patch Blue Tag Certified
 <p>PROCLAMATION CREEPING BENTGRASS</p>	58-66965 25 lb. bucket 36 per pallet	<ul style="list-style-type: none"> Top ranked for overall turf quality Top rated for turf quality on greens under AMMI 1 Highly rated for dollar spot resistance Ranked #1 for fall density on fairways Tied for #1 in shade trial Blue Tag Certified
 <p>DIPLOMACY CREEPING BENTGRASS</p>	58-67072 25 lb. bucket 36 per pallet	<ul style="list-style-type: none"> Fine texture and dense growth Rich vibrant green color Resistant to common turfgrass diseases Performs exceptionally well in cool and warm climates Vigorous growth habit ensures quick recovery from wear
 <p>PATRIOT</p>	28-54624 25 lb. bucket 36 per pallet	<ul style="list-style-type: none"> A high performance creeping bentgrass blend For Tees and Fairways
 <p>LEGENDARY VELVET BENTGRASS</p>	58-66864 25 lb. bucket 36 per pallet	<ul style="list-style-type: none"> Top ranked for turf quality Vibrant, medium green color Top ranked under low maintenance Top ranked for brown patch Very smooth putting surface Blue Tag Certified

PennMulch Seed Starter™

PennMulch Seed Starter™ is the only seed establishment product containing patented Moisture Cell Technology. Comprised of super-absorbent polymers, Moisture Cell Technology can absorb up to 400 percent its weight in water, which causes the pellets to expand and absorb water. As the seed bed dries, the microscopic polymer crystals release water back into the soil,

providing the new seedlings with the moisture they need to grow healthy and strong. PennMulch formula comes with Hydrobond™ tackifier to hold seed, soil and mulch in place. Rest assured that your grass seed will stay where it is planted. Though there are look-alike products on the market, university testing shows that none can match the results of PennMulch Seed Starter.

Straw and hay often contain perennial grass weeds like Orchard grass and Timothy that cannot be selectively controlled once new turf is established. PennMulch Seed Accelerator contains no weed seeds. Don't waste your time, labor, and premium seed only to have it ruined by weeds.



Item# 2396109 | 40 Lb Bag | 50 bags per pallet



Growing Together

Rewards Program



For Turf Professionals

PROGRAM OVERVIEW

1. Earn rewards for purchases of value-added products as listed on the following page.
2. Products may be mixed and matched to maximize program rewards.
3. Program is available for purchases shipped and invoiced between October 28, 2024 and March 28, 2025.
4. Program is available to all end users of LebanonTurf Professional Products in the United States.
5. Bulk material (1K and 2K totes) is calculated by the equivalent per pound reward of the listed package size. (1K tote - 20 units, 2K tote = 40 units)

REWARD REDEMPTION OVERVIEW

1. Rewards paid as Amazon e-Gift card to individual or business, or as a credit issued to your distributor.
2. LebanonTurf understands that companies have different policies regarding rebates and rewards. It is the sole responsibility of the claimant to adhere to his or her specific company policy.
3. Total units purchases must be 50 or greater to qualify for reward.
4. Submit an online reward form with PDF's of the corresponding invoices by May 23, 2025. To complete the online reward form beginning March 31, 2025, visit LebanonTurf.com/GrowingTogetherReward.
5. Rewards will be issued within 4 to 6 weeks after completion of program.
6. Each individual facility is required to submit their own redemption form.
7. All rewards \$600 or greater will be subject to reporting for tax purposes. A W-9 form must be submitted with the reward form to generate a 1099.

For More Information

Contact your Distributor Sales Representative, your local LebanonTurf Territory Sales Manager. or visit LebanonTurf.com/GrowingTogetherRewards