

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



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 PennMulch®, 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

Country Club® MD's mission is to simplify the lives of golf course superintendents by providing innovative fertilizer solutions that promote healthy, resilient turf through greens grade products that combine traditional nutrients with stress-buffering biostimulants in every granule. Backed by university research, Country Club MD products are designed to support optimal performance and playability during times of environmental stress by maximizing turf's natural potential and responses.

Country Club® IV

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-turf burning sulfate of potash which promotes root growth, encourages photosynthesis and elevates the turf plant's ability to handle environmental stress.

ProScape®

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 of 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™**

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

Lebanon Specialty

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 Grass Seed

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™

PennMulch® Seed Starter™ is a seeding mulch that combines a full rate of starter fertilizer with moisture-absorbing polymers to promote faster, healthier turf establishment. Clean, weed-free, and easy to apply, it outperforms straw by delivering consistent results and reducing the need for callbacks or repairs.

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.



METH-EX

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.**



MESA

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.**



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. **MESA-XP® technology is found in our Country Club® and ProScape® brands.**



expo
EXTENDED
POTASSIUM
SULFATE

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.**



U-FORM

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**

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 homogeneous granule with improved integrity and dispersion 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.**

**CHELATION
TECHNOLOGY**

Micronutrients are essential to the overall health of the plant, but are often times 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.**

**MICROBIAL
TECHNOLOGY**

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
TECHNOLOGY**

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.**

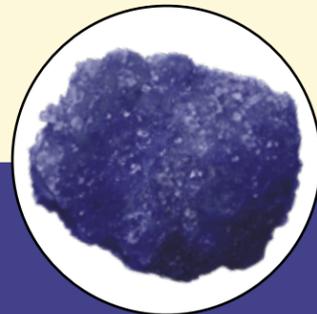
**STRESS-BUFFERING
BIOSTIMULANTS**

Stress-buffering biostimulants are an increasingly vital tool to help professional turf managers counteract the environmental stresses that inevitably occur every growing season. The highly effective biostimulant components help the turfgrass maximize its natural potential by stimulating natural processes to tolerate numerous abiotic stresses and aid in nutrient uptake and efficiency. Sea plant extracts and humic acid are commonly used sources of biostimulants, but new research discoveries are constantly identifying new sources that provide additional agronomic benefits. **Stress-buffering biostimulants are found in our Country Club® MD, Emerald Isle™ and ROOTS® brands.**

Nutrient Sources

MESA^{XP}

25-0-12



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.

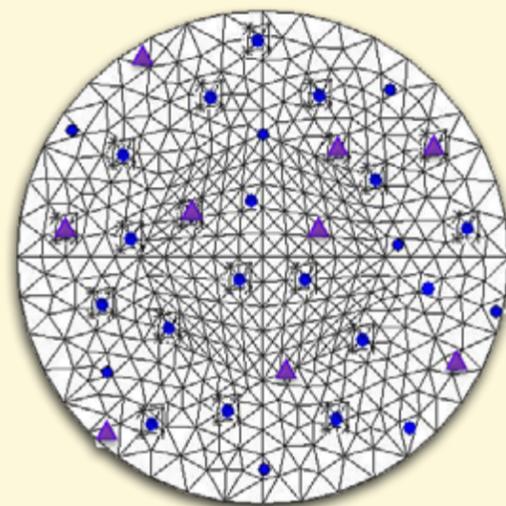
Easy to Spread

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.

MESA XP[®] Technology is available in our Country Club[®] and ProScape[®] product lines.

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

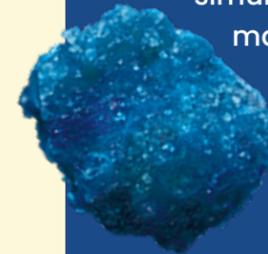
MESA

30-0-0



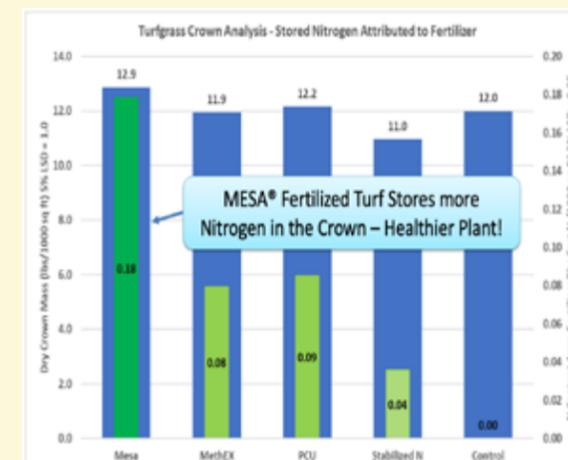
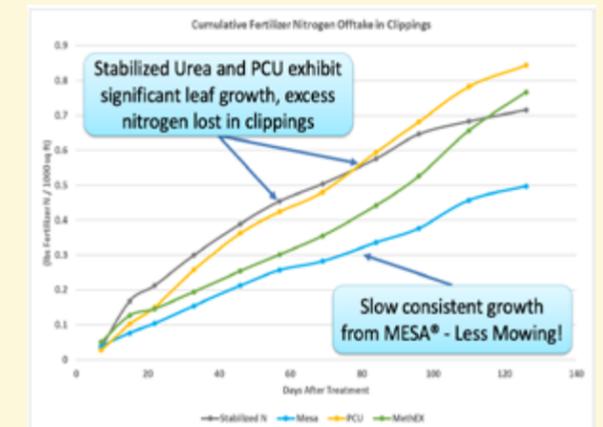
MESA[®] is our leading nitrogen source for exceptional turf performance, efficiency and superior sustainability. Its unique ability to simultaneously deliver two forms of nitrogen is three separate ways maximizes the plant's ability to deliver aesthetic green-up and long-term healthy feeding. MESA's unmatched proficiency in reaching and remaining in the plant after application, rather than being lost to the environment, illustrates its eco-friendly qualities and sustainable benefits. MESA is truly the ideal choice for today's turf professional.

GO BLUE. GET GREEN



No Excess Growth - No Excess Mowing

MESA delivers slower, more consistent top growth by not having excess nitrogen distributed to the leaf blades. As a result, turf fed by MESA needs to be mowed less often which greatly reduces the amount of overall nitrogen being spent in the clippings.



More Nitrogen In the Turf Crown

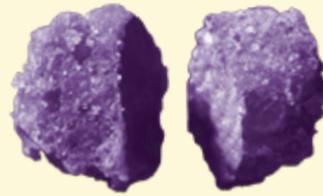
MESA fertilized turf registers higher amounts of nitrogen in the crown. This elevated, stored nitrogen from MESA allows the plant to maintain its health and recover from injuries faster than other nitrogen sources.

MESA[®] Technology is available in our Country Club[®] and ProScape[®] product lines.

Nutrient Sources



20-0-25



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 Much More than Potassium

So what exactly is Expo? Put simply, Expo is an extremely proficient fertilizer that supplies controlled-release potassium sulfate and highly efficient controlled-release nitrogen. While its extended potassium release rate is what makes Expo so unique, it's also a homogeneous product that delivers consistent, excellent performance for all varieties of turfgrass.

Healthier Turf

Expo delivers multiple benefits to the turfgrass plant, including environmental stress resistance, reduced disease incidence, increased internal water management and expedited turf recovery from damage and stress.

Excellent Longevity

It's performance surpasses coated products by providing 10-12 weeks of controlled release nutrients from a 1 lb. of nitrogen per 1000 sq. ft. application on cool-season grasses.

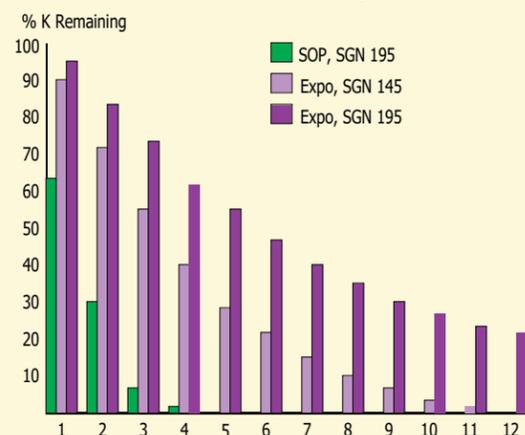
Better Turfgrass Quality

University research indicates that Expo is slower to release than potassium sulfate under identical conditions, which benefits the turfgrass plant by extending the desirable fertilizer response.

Significantly Reduces Leaching

Because potassium leaches quickly in the soil profile, Expo's predictable release rate ensures that the nutrient is being absorbed by the turfgrass plant, with only minimal loss.

Potash Leaching Study

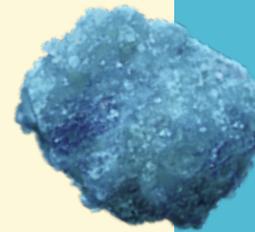


Expo® Technology is available in our ProScape®, Country Club®, and Woodace® product lines.

Nutrient Sources



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.



Guaranteed Analysis
Total Nitrogen (N)39%
 26.0% Water Insoluble Nitrogen*
 4.0% Urea Nitrogen
 9.0% Other Water Insoluble Nitrogen*

Derived from: Methylene Urea, Urea

*35.0% Slowly available Nitrogen from Methylene Ureas

Due to U-FORM's unique release properties, it is one of the safest and most effective nitrogen sources available that also promotes dynamic development of turfgrass and encourages the growth of soil microorganisms. U-FORM can also be used with ornamentals to assist with faster root establishment and development, as well as used as a topdressing.

Uses and Features

The main benefit of urea-formaldehyde fertilizers is their long release time and slow breakdown in the soil. This means that the nitrogen is more likely to stay in the soil and be available to plants, rather than being lost to the environment through leaching, volatilization or other means.

U-FORM® Technology is available in our ProScape®, Woodace®, and Country Club® product lines.

Nutrient Sources

Granular Fertilizer



Meth-Ex 40® is a high activity methylene urea nitrogen source that provides extended turf feeding without the need for coatings. Microbial release allows Meth-Ex 40 to release nitrogen when the turf needs it most. The result is a quick color response with no surge growth and a consistent and reliable long-term feeding schedule.

Meth-Ex 40 is LebanonTurf's proprietary methylene urea nitrogen technology that delivers slow-release, high-activity nitrogen without relying on synthetic coatings. Meth-Ex is slowly released over 10-12 weeks via microbial and hydrolytic activity, giving turf a steady nutrient supply. Because it avoids surge growth, **Meth-Ex 40** promotes greener color more gradually and consistently compared to fast-release fertilizers.

Guaranteed Analysis	
Total Nitrogen (N)	40%
12.5.0% Water Insoluble Nitrogen*	
6.5% Urea Nitrogen	
21.0% Other Water Insoluble Nitrogen*	
Nutrient Sources: Methylene Ureas, Urea Chlorine (Cl) not more than.....2.0%	
*21.0% Slowly available Nitrogen from Methylene Urea	

Meth-Ex® 40 technology is found in our Country Club®, ProScape®, and Woodace® product lines.

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	CC MD 11-7-21 60% Meth-Ex® Fe / Mg / Mn	8,300	4.80	209	0.53	0.34	1.01
2135736	CC MD 12-0-24 65% Meth-Ex® Fe / Mg / Mn	9,500	4.20	183	0.50	0.00	1.00
2129076	CC MD 12-24-8 Starter 40% Meth-Ex®	9,500	4.20	183	0.50	1.00	0.34
2129072	CC MD 14-7-14 70% Meth-Ex® Fe / Mg / Mn	11,100	3.60	157	0.50	0.25	0.50
2129101	CC MD 16-0-8 Ammoniacal Fe / Mg / Mn	12,900	3.10	135	0.50	0.00	0.25
2135734	CC MD 18-0-18 64% Meth-Ex® Fe / Mg / Mn	14,300	2.80	122	0.50	0.00	0.50
2129074	CC MD 18-3-18 78% Meth-Ex® Fe / Mg / Mn	14,300	2.80	122	0.50	0.09	0.50
2135737	CC MD 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	CC IV 0-0-25 SOP 2% Mg 2% Mn	10,000	4.00	174	0.00	0.00	1.00
2137188	CC IV 17-0-17 50% Meth-Ex® SOP 1% Fe .5% Mn	13,300	3.00	131	0.51	0.00	0.51
2137103	CC IV 18-3-18 85% Meth-Ex® SOP	14,300	2.80	122	0.50	0.08	0.50
2137190	CC IV 18-9-18 70% Meth-Ex® SOP .5% Fe .5% Mg .28% Mn	14,300	2.80	122	0.50	0.08	0.50
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
Composite Technology™ Fertilizer SGN 150							
2141456	CC 16-4-8 Ammoniacal Fe	11,500	4.35	190	0.70	0.17	0.35
2154241	PS 20-0-25 100% Meth-Ex® 100% EXPO® (Homogeneous)	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	3.30	144	0.89	0.00	0.17
2137294	CC 34-0-0 100% MESA® (Homogeneous)	19,200	2.60	115	0.89	0.00	0.00
2137246	CC 39-0-0 100% U-FORM® (Homogeneous)	21,700	2.30	100	0.90	0.00	0.00
2154292	PS 40-0-0 100% Meth-Ex® (Homogeneous)	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

CC = Country Club® | CC MD = Country Club MD | CC IV = Country Club IV | PS = ProScape®

Granular Fertilizer

Item #	Item Description	Approx. Bag Coverage (Sq. Ft.)	Lbs. Product /1,000 Sq. Ft.	Lbs. Product /Acre	Nutrients Lbs. per 1,000 sq. ft.			Lbs. A.I / 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	10,000	5.00	217	0.89	0.00	0.49	
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	12,200	4.10	18	0.90	0.00	0.49	
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	16,500	3.00	130	0.90	0.00	0.24	
Fertilizer with Pre-Emergent Herbicide - Standard Grade								
2237256	CC 0-0-7 MOP 1% Oxadiazon	10,900	4.60	200	0.00	0.00	0.32	2.0
2237135	CC 0-0-7 MOP 1% Ronstar	10,900	4.60	200	0.23	0.00	0.32	2.0
2237137	CC 5-0-20 All Mineral + 1% Ronstar	10,900	4.60	200	0.23	0.00	0.90	2.0
2237139	CC 20-0-8 40% MESA® + 1% Ronstar	10,900	4.60	200	0.90	0.00	0.37	2.0
2237262	CC 0-0-7 MOP .125% StayGuard®	10,900	4.60	200	0.00	0.00	0.32	0.25
2237264	CC 5-0-10 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
Fertilizer with Mesotrione Herbicide 40 Lb. Bags								
2253963	PS 20-0-4 100% PCSCU SOP 8% Ca .08% Meso (SGN 150)	9,300	4.30	187	0.86	0.00	0.17	0.15
2153867	PS 21-22-4 Starter .08% Meso (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	*
2237291	CC 14-0-8 37% SRN .067% Acel + .167% Dim	14,500	3.44	150	0.48	0.00	0.27	*
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 Available in our Country Club® and ProScape® product lines.

Granular Fertilizer



Country Club®

Greens Grade Products



LebanonTurf's Country Club premium 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}

Country Club MD products go beyond basic turf nutrition by including stress-buffering biosimulants that help create and maintain the turf's optimal performance and playability during times of environmental stress by maximizing its natural potential.

Country Club^{IV}

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.

ROOT REVIVER

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

Item #	Item Description	Approx. Bag Coverage (Sq. Ft.)	Lbs. Product /1,000 Sq.Ft.	Lbs. Product /Acre	Nutrients Lbs./ 1,000 sq. ft.		
					N	P	K
Country Club MD - SGN 80 - 40 lb bags - 50 bags per pallet							
2129078	11-7-21 60% Meth-Ex® SOP 2% Fe 1% Mg 1% Mn	8,300	4.80	209	0.53	0.34	1.01
2135736	12-0-24 65% Meth-Ex® SOP 1% Fe .5% Mg .5% Mn	9,500	4.20	183	0.50	0.00	1.00
2129076	12-24-8 Starter Fertilizer 40% Meth-Ex® SOP	9,500	4.20	183	0.50	1.00	0.34
2129072	14-7-14 70% Meth-Ex®SOP 2% Fe 1.5% Mg 1% Mn	11,100	3.60	157	0.50	0.25	0.50
2129101	16-0-8 Ammoniacal SOP 1% Fe 1% Mg .5% Mn	12,900	3.10	135	0.50	0.00	0.25
2135734	18-0-18 64% Meth-Ex® SOP 1.6% Fe .5% Mg .5% Mn	14,300	2.80	122	0.50	0.00	0.50
2129074	18-3-18 78% Meth-Ex® SOP 1.5% Fe .65% Mg .5% Mn	14,300	2.80	122	0.50	0.09	0.50
2132737	22-0-16 64% Meth-Ex® SOP 1.6% Fe .7% Mg .8% Mn	17,400	2.30	100	0.51	0.00	0.37
Country Club IV - SGN 80 - 40 lb bags - 50 bags per pallet							
2137228	0-0-25 SOP 2% Mg 2% Mn	10,000	4.00	174	0.00	0.00	1.00
2137190	18-3-18 85% Meth-Ex® SOP	14,300	2.80	122	0.50	0.08	0.50
2137188	17-0-17 50% Meth-Ex® SOP 1% Fe .5% Mn	13,300	3.00	131	0.51	0.00	0.51
2137103	18-3-18 85% Meth-Ex® SOP	14,300	2.80	122	0.50	0.08	0.50
Country Club Root Reviver - SGN 100 - 40 lb bags - 50 bags per pallet							
2737101	Root Reviver 3-3-4 with Mycorrhizal fungi	6,250	8.00	349	0.24	0.24	0.32

Granular Fertilizer



Item Number	Product Description	Insecticide Product	Acelepryn A.I. / Acre	Herbicide Product	Dimension A.I. / Acre	Lbs/A	Lbs/M	1 Bag Covers (Sq. Ft)	N Source	K Source	N	P	K
Country Club Fertilizer with Acelepryn + Dimension - SGN 150 50 Lb. Bag													
2237114	Country Club 38-0-0 100% Meth-Ex®	0.067% Acelepryn	0.10	0.253% Dimension	0.38	150	3.44	14,535	Meth-Ex®		1.307	0.000	0.000
2237122	Country Club 30-0-10 100% Meth-Ex® 100% EXPO	0.067% Acelepryn	0.10	0.253% Dimension	0.38	150	3.44	14,535	Meth-Ex®	EXPO®	1.032	0.000	0.344
2237120	Country Club 30-0-10 100% Expo Meth-Ex® 100% EXPO®	0.067% Acelepryn	0.10	0.167% Dimension	0.25	150	3.44	14,535	Meth-Ex®	EXPO®	1.032	0.000	0.344
2237112	Country Club 25-0-5 51% MESA® 100% EXPO®	0.067% Acelepryn	0.10	0.167% Dimension	0.25	150	3.44	14,535	MESA®	EXPO®	0.861	0.000	0.172
2237291	Country Club 14-0-8 37% SRN 35% A.S. SOP	0.067% Acelepryn	0.10	0.167% Dimension	0.25	150	3.44	14,535	Methylene Urea	SOP	0.481	0.00	0.275
2237118	Country Club 0-0-7 SOP	0.067% Acelepryn	0.10	0.167% Dimension	0.25	150	3.44	14,535	MESA®	SOP	0.000	0000	0.241
ProScape Fertilizer with Acelepryn + Dimension - Standard Grade 50 Lb. Bag													
2254804	ProScape 25-0-5 51% MESA® 100% EXPO®	0.067% Acelepryn	0.10	0.167% Dimension	0.25	150	3.44	14,535	MESA®	EXPO®	0.861	0.000	0.172
2253933	ProScape 24-0-8 40% PCU MOP	0.067% Acelepryn	0.10	0.167% Dimension	0.25	150	3.44	14,535	PCU	MOP	0.826	0.000	0.275
2254814	ProScape 19-0-9 50% MESA® 100% EXPO®	0.067% Acelepryn	0.10	.253% Dimension	0.38	150	3.44	14,535	MESA®	EXPO®	0.654	0.000	0.310
2253874	ProScape 17-0-5 30% PCU MOP	0.067% Acelepryn	0.10	0.167% Dimension	0.25	150	3.44	14,535	PCU	MOP	0.585	0.000	0.172
2254802	ProScape 13-0-5 50% MESA® 100% EXPO®	0.067% Acelepryn	0.10	0.167% Dimension	0.25	150	3.44	14,535	MESA®	EXPO®	0.448	0.000	0.172

Granular Fertilizer

Country Club® ROOT REVIVER

Take the Pain out of aerification with Country Club Root Reviver 3-4-3, a product specifically designed to speed up recovery on golf course putting greens by accelerating root growth and increasing turf density. Root Reviver is a natural based fertilizer that features organic sources of slow-release nitrogen and immediately available phosphorus and potassium. It also features endo mycorrhizae fungi which significantly extends root depth while enhancing drought tolerance. Country Club Root Reviver helps superintendents maintain superior putting greens health and playability 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

- #2237132 8-4-24 65% MESA with 11.6% Humic Max
- #2237126 14-0-14 70% MESA with 11.2% Humic Max
- #2237129 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

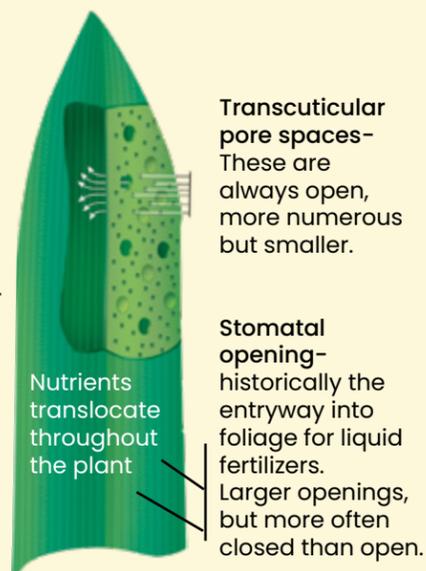


Emerald Isle Solutions True Foliar® vs. "Liquids"

All foliars are liquids, but not all liquids are TrueFoliars. 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 - #3718983

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 - #3718986

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 - #3718977

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 - #3718989

Fungicides and Insecticides

Seed and Seed Accelerator

Fungicides and Insecticides

Lebanon Azoxy and PPZ Dual Action Fungicide

Key product benefits of Azoxy + 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 / #2442104

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 / #2446687

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 / #2442059

Lebanon Bifenthrin .1G Insecticide

Key product benefits of Lebanon Bifenthrin Insecticide

- A granular insect control product on a HDG carrier
- For general turf use
- Bifenthrin at .1% for surface feeding insect control



Approx Sq.Ft. coverage per bag: 12,500

Lbs./ 1,000 Sq. Ft: 1.2/ Lbs. Product per acre: 104

Available in: 30 lb. bag / #2442409

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 / #1418587

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 / #1418584

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
 DECLARATION CREEPING BENTGRASS	#5866863 25 lb. bucket 36 per pallet	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
 PROCLAMATION CREEPING BENTGRASS	#5866965 25 lb. bucket 36 per pallet	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
 DIPLOMACY CREEPING BENTGRASS	#5867072 25 lb. bucket 36 per pallet	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
 PATRIOT	#2854624 25 lb. bucket 36 per pallet	A high performance creeping bentgrass blend For Tees and Fairways
 LEGENDARY VELVET BENTGRASS	#5866864 25 lb. bucket 36 per pallet	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. 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.

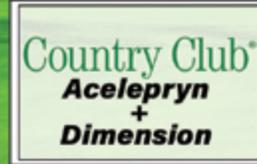
Item# 2396109 | 40 Lb Bag | 50 bags per pallet





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 27, 2025 and March 27, 2026.
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 22, 2026. To complete the online reward form beginning March 31, 2026, 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