

Technologies



LebanonTurf

LebanonTurf continues to explore and develop the industry's most advanced turf management technologies to deliver the ultimate in efficient, cost effective lawn care operations. Our technologies are recognized by golf course superintendents, landscapers and turf managers as proven applications of science and experience at work.



MESA
Patented Controlled Release Nitrogen

MESA is a unique nitrogen source that combines ammonium sulfate with methylene urea in a single, homogeneous particle. The result is an extremely efficient and controlled nitrogen source that produces consistent, dark green color without surge growth. Unlike coated nitrogen technologies, MESA does not lose its slow-release properties when cracked, chipped, crushed or broken. MESA technology is found in our Country Club and ProScape brands.



METH-EX 40

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 the most. The result is a quick color response with no surge growth and a consistent and reliable long-term feeding schedule. Meth-E 40 technology is found in our Country Club, ProScape, Lebanon Pro and Woodace brands.



expo
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 Country Club, ProScape and Woodace brands.



MD
Maximum Dispersion

MD (Maximum Dispersion) Technology is uniquely formulated process that produces a highly dispersible homogeneous particle that delivers optimum nutrients and stress-buffering biostimulants in a single application. Turf treated with sea plant kelp meal and humic acid will outperform untreated turf in overall quality and playability during stressful conditions. MD technology is found exclusively in our Country Club brand.



**COMPOSITE
TECHNOLOGY**

LebanonTurf's patented Composite Technology fertilizer manufacturing process produces a superior fertilizer by fusing premium forms of nitrogen with phosphorus, potassium and select micronutrients. This revolutionary process creates a unique homogeneous granule with improved particle dispersion and integrity, along with a higher measurable amount of nitrogen activity. Composite Technology is found in our Country Club® brand.



LSN
LebanonTurf Stabilized Nitrogen

LSN (Lebanon Stabilized Nitrogen) ensures that nitrogen gets delivered to the turf and does not escape into the atmosphere through volatilization. LSN provides a cost effective source of nitrogen and offers an agronomic alternative to slow release nitrogen sources. Unlike straight urea, LSN does not need to be watered in immediately after application. LSN is found in our Lebanon Pro brand.



Moisture Cell Technology is a patented super-absorbent polymer which absorbs up to 400 percent its weight in water. As the seedbed 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. Moisture Cell Technology is found in our PennMulch® brand.



**CHELATION
TECHNOLOGY**

Chelating nutrients allows elements that would normally be tied up in soils to become available for plant uptake. This availability of nutrients to plants that are deficient or under stress is important to a plant's performance and health. Chelation Technology is found in our ROOTS® brand.



**MICROBIAL
TECHNOLOGY**

A healthy microbial environment in a soil profile is necessary for overall plant health. LebanonTurf's unique soil microbe complexes can enhance nutrition, improve soil physics or protect from disease. Microbes aren't just beneficial, they're essential. Microbial Technology is found in our ROOTS brand.



**MYCORRHIZAL
TECHNOLOGY**

Mycorrhiza fungi expand rooting capabilities and allow plants the ability to take in necessary water, nutrients and micronutrients that would otherwise not be available. Incorporating a diverse population of mycorrhiza at planting time, increases plant performance and survival. Mycorrhizal Technology is found in our ROOTS brand.



LebanonTurf

Best of all Worlds®

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