

ECOLOGEL FAMILY OF PRODUCTS



Professional Solutions for Golf, Sports Field,
Turf & Ornamental, Greenhouse, Nursery,
Agriculture and Specialty Markets



THE HYDRETAIN DIFFERENCE

Hydretain is designed to reduce watering frequency by helping plants utilize soil moisture that would otherwise be lost to evaporation. A proprietary blend of hygroscopic humectant compounds, Hydretain attracts water molecules in the soil to create plant usable water droplets in the root zone.

- Converts soil humidity into plant usable water droplets
- Not a wetting agent or superabsorbent polymer
- Significantly reduces plant watering requirements
- Lasts for up to 3 months

HYDRETAIN PRODUCTS

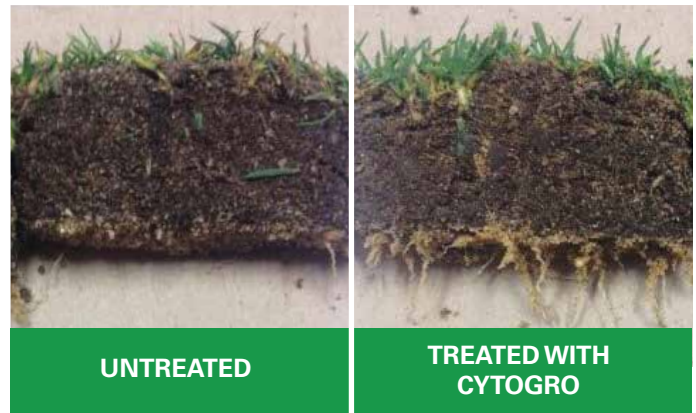
HYDRETAIN ES PLUS	Combines the Hydretain technology with an advanced non-ionic surfactant for improved soil penetration.	1 Quart 1 Gallon 2.5 Gallon 30 Gallon 55 Gallon 275 Gallon	080-4315 080-4325 080-4335 080-4350 080-4360 080-4370
HYDRETAIN ES PLUS II	Combines the Hydretain technology with an advanced non-ionic surfactant for improved soil penetration and potassium humate for enhanced performance.	1 Gallon 2.5 Gallon 30 Gallon 55 Gallon 275 Gallon	080-4425 080-4435 080-4450 080-4460 080-4470
HYDRETAIN GRANULAR OC	Puts the power of Hydretain ES Plus in a free-flowing organic compost carrier that can be applied through any traditional dry spreader equipment.	15 lb Bag 40 lb Bag 2,000 lb Super Sack	080-4140 080-4380 080-4386
HYDRETAIN GRANULAR QD	Puts the power of Hydretain ES Plus in a quickly dissolving, free-flowing carrier for dry spreader applications.	15 lb Bag 40 lb. Bag 2,000 lb. Super Sack	080-4395 080-4390 080-4396

Marketing Support is Available for Lawn & Landscape Service Providers. Visit HydretainAdvantage.com

BIOSTIMULANTS



CYTOGRO®	EPA registered (90022-1) hormone biostimulant designed to increase root mass, speed propagation of cuttings, and improve stress tolerance.	1 Quart 1 Gallon 30 Gallon	080-57315 080-57310 080-57312
	<ul style="list-style-type: none"> • Promotes deeper, denser roots • Speeds propagation and establishment • Effective for all landscape plants 		



Sod transplant 6 days after treatment

SEAWEED EXTRACTS



SEAXTRA® NUTRITIONAL SUPPLEMENT (1-0-3)	Superior seaweed extract derived from Ascophyllum nodosum. For use for all plants and crops.	1 Quart 1 Gallon 30 Gallon	080-57331 080-57332 080-57334
	SEAXTRA® WATER PENETRATING PELLETT	Non-ionic surfactant blend enhanced with seaweed extract to recover localized dry spots. Safe for all types of turf.	Box of 12 Pellets Case of 96 Pellets

COMBINATION PRODUCTS MADE WITH

FOURPLAY™	Unique blend of Hydretain, SeaXtra seaweed extract, non-ionic surfactant, and potassium humate. These four proven technologies maximize water efficiency, improve water penetration, and increase nutrient availability to collectively eliminate the most severe localized dry spots.	1 Gallon 2.5 Gallon 30 Gallon 55 Gallon 275 Gallon	080-6015 080-6035 080-6050 080-6060 080-6070
MULTI-PURPOSE PLUS™ (4-0-2)	Includes SeaXtra seaweed extract and micronutrients for use as part of a regular maintenance program to enhance color, improve soil water performance, and promote healthy roots.	2.5 Gallon 30 Gallon	080-57614 080-57615

CYTOGRO® SUCCESS



It's awesome when you can actually see the results of a product. We did a side by side - half a green with CytoGro and half without. We pulled profiles and saw results within 3 weeks. The product works!"

Matt Lean, Director of Agronomy
Monterey Yacht & Country Club



THE BIOPRO DIFFERENCE

The BioPro line originated as an early leader in liquid fertilization solutions. Today, that legacy of agronomic excellence has expanded and evolved into a complete line of superior quality, yet affordable turf management products.

- Foliar and soil applied solutions to address soil health and nutritional deficiencies
- Chelated nutrients for increased availability and plant uptake
- Individual nutrient solutions and combination products provide flexibility for any agronomic program or budget

MICRONUTRIENTS

BORON PLUS™ 5% BORON	Easy-to-use solution for boron deficient turfgrasses, palms and ornamentals.	1 Quart	080-57200
CALCIUM PLUS™ (8-0-0) 10% CALCIUM	An economical source of calcium and nitrate nitrogen readily available for plant utilization. Use to correct calcium deficiencies in ornamental plants, turfgrasses, trees, and vegetable crops.	2.5 Gallon 30 Gallon	080-57189 080-57190
IRON PLUS™ (15-0-0) 6% IRON WITH SEAXTRA	Designed for foliar application to correct or prevent iron deficiencies in turfgrasses, trees, shrubs, and woody ornamentals. Contains SeaXtra seaweed extracts and citric acid chelation to extend and enhance iron uptake.	2.5 Gallon 30 Gallon 275 Gallon	080-57195 080-57196 080-57197
IRON PLUS MN™ (12-0-0) 6% IRON AND 2% MANGANESE WITH SEAXTRA	A formulation of Fe, Mn, S, and N designed for foliar application to correct and prevent iron and manganese deficiencies in turfgrasses, trees, shrubs, and woody ornamentals. Contains SeaXtra seaweed extracts and citric acid chelation to extend and enhance iron and manganese uptake.	2.5 Gallon 30 Gallon 275 Gallon	080-57198 080-57199 080-57205
MANGANESE PLUS™ 5% MANGANESE WITH SEAXTRA	Chelated manganese provides extended micronutrient availability. Enhanced with SeaXtra seaweed extracts, it is designed for foliar application to correct and prevent manganese deficiencies on turfgrasses and ornamental plants.	2.5 Gallon 30 Gallon 275 Gallon	080-57201 080-57202 080-57203
MAGNESIUM PLUS™ (7-0-0) 6% MAGNESIUM	A solution of readily available magnesium and nitrate nitrogen. Designed for rapid response to correct or prevent magnesium deficiencies.	2.5 Gallon 30 Gallon	080-57186 080-57187
NUTRISOLVE™ WITH SEAXTRA	Foliar micronutrient blend of boron, copper, iron, manganese, molybdenum, and zinc designed to correct or prevent a wide range of micronutrient deficiencies without additional nitrogen. Cu, Fe, Mn, and Zn are chelated for enhanced nutrient uptake.	2.5 Gallon 30 Gallon 275 Gallon	080-57180 080-57181 080-57182
SILICA (0-0-2) 5% SILICA	A formulation of silicon derived from potassium silicate. It is designed as a foliar application to help increase wear tolerance and leaf blade rigidity for a more consistent playing surface and increased green-speed.	1 Gallon	080-57676
SPECTRUM™ (8-0-0) WITH SEAXTRA	Blend of chelated iron, manganese, and magnesium, with sulfur, nitrogen, and seaweed extract designed to provide fast, deep, and extended color without causing a surge in top growth.	2.5 Gallon 30 Gallon 275 Gallon	080-57183 080-57184 080-57185
TUFF GREENS™ (0-0-13)	Unique solution of potassium, calcium, silica, and iron designed to promote green-speed, turf uniformity, wear tolerance, and stress resistance.	2.5 Gallon	080-57502

SPECIALTY NPK BLENDS

ARBORPLEX® (14-4-5) WITH SRN	Formulated with slow release nitrogen and chelated micronutrients to provide consistent, extended feeding for trees and shrubs. An ideal solution for improving tree and shrub development and vigor without unwanted top growth.	2.5 Gallon 30 Gallon 275 Gallon	080-57513 080-57514 080-57516
BLOOMPLEX® (8-16-5)	Specially formulated with high quality sources of phosphorus to promote flowering and fruiting as well as root development. It also contains chelated micronutrients and is an ideal product for use in seasonal color beds.	1 Quart 1 Gallon 2.5 Gallon 30 Gallon 275 Gallon	080-57532 080-57533 080-57534 080-57535 080-57536
ENVIRO N™ (28-0-0) WITH SRN	High quality, slow release nitrogen from urea-triazone solution. Provides uniform growth without surges and declines, while maintaining consistently good color.	2.5 Gallon 30 Gallon 275 Gallon	080-57129 080-57130 080-57131
ENVIRO P™ (7-21-0)	Highly stable phosphorus source for turf and ornamentals. An exceptional product for seeding, sodding and transplant establishment. Excellent starter fertilizer for agricultural crops.	2.5 Gallon 30 Gallon 275 Gallon	080-57135 080-57136 080-57137
ENVIRO K™ (0-0-30)	Excellent source of potassium derived from potassium carbonate, a high quality, less caustic source that provides extended nutrient availability.	2.5 Gallon 30 Gallon 275 Gallon	080-57132 080-57133 080-57134
ALL K™ (0-0-25) WITH 17% SULFUR	Potassium thiosulfate provides a high quality, less caustic, and readily available source of potassium and sulfur. It is ideal for use when both potassium and sulfur deficiencies are present.	2.5 Gallon 30 Gallon 275 Gallon	080-56100 080-56101 080-56102
GREENS PLUS™ (14-4-10) WITH SRN	Soil applied NPK blend consisting of slow release nitrogen from urea-triazone, a stable and readily available phosphorus source and a less caustic source of potassium for superior turf management.	2.5 Gallon 30 Gallon 275 Gallon	080-57123 080-57124 080-57125
GREENS PLUS™ (12-0-12) WITH SRN	Balanced N and K nutrient blend with slow release nitrogen from urea-triazone and potassium from Enviro K. Superior quality, phosphorus free product for use in areas with phosphorus restrictions.	2.5 Gallon 30 Gallon 275 Gallon	080-57126 080-57127 080-57128
TURFPLEX™ (20-2-3) WITH SEAXTRA	True foliar nutrient blend with chelated micronutrients and seaweed extracts for excellent turf color and quality. Ideal for spoon-feeding green, tees, and other high traffic areas.	2.5 Gallon 30 Gallon 275 Gallon	080-57507 080-57508 080-57509
TURFPLEX NOPHOS™ (20-0-3) WITH SEAXTRA	True foliar nutrient blend of N and K with chelated micronutrients and seaweed extracts that produces excellent turf color and quality. Phosphorus free formulas designed for regions with in-season phosphorus bans.	2.5 Gallon 30 Gallon 275 Gallon	080-57517 080-57518 080-57519
TURF STARTER™ (8-16-5) WITH SEAXTRA	Excellent product for use during grow-in, for fall fertility programs on cool season turf, and for overseeding establishment. Contains seaweed extracts for enhanced turf vigor.	2.5 Gallon 30 Gallon 275 Gallon	080-57527 080-57528 080-57529

SOIL CONDITIONERS

BIO MP™ (5-3-2)	High carbohydrate, molasses-based soil builder designed to stimulate soil biological activity by providing a food source for soil microbes. Contains macro and micro nutrients to enhance plant color and vigor.	2.5 Gallon 30 Gallon	080-57622 080-57623
ENVIROPLEX™	Contains 22% humic acids from Leonardite ore.	2.5 Gallon 30 Gallon	080-57004 080-57005

SOIL REMEDIATION

NA-X™ (5-0-0) WITH 12% CALCIUM	Soluble calcium solution to allow for the rapid flush of excess sodium from soils to restore soil structure and increase water infiltration.	2.5 Gallon 30 Gallon 275 Gallon	080-57056 080-57057 080-57059
NUTRALYZ™ (12-0-0) WITH 26% SULFUR	An acid forming solution derived from premium ammonium thiosulfate. Designed to breakdown excess biocarbonate buildup in the soil.	2.5 Gallon 30 Gallon 275 Gallon	080-57060 080-57061 080-57062

POND CLARIFIER

AQUA-T™	Special blend of naturally-occurring bacteria that digests organic waste and excess nutrients to clarify the water, reduce sludge, and eliminate pond odors.	10 Pound Pail	57212
		25 Pound Pail	57229

Apply 6 bags per acre foot of water as the initial application and maintain with 1 bag per acre foot every two weeks



DUST SUPPRESSANT

GELTRAK®	Environmentally responsible solution designed to reduce dust by keeping soils nominally damp for extended periods between watering or rainfall.	2.5 Gallon	080-7035
		5 Gallon	080-7040
		30 Gallon	080-7050
		55 Gallon	080-7060
		275 Gallon	080-7070


Apply 2 gallons of GelTrak per 1,000 sq. ft. Minimum dilution 10:1 (water to GelTrak)



PROTECTIVE BARRIER TREATMENT

FUNGISHIELD®	Clear barrier treatment that provides long term protection against the unsightly adhesion of mold, mildew, fungus, and algae.	1 Gallon	080-3020
		5 Gallon	080-3040

SPF 5+ - 1 gallon covers 200-300 sq. ft., last up to 5+ years

 Perfect for use on walls, walkways, patios, drives, fences, roofs, decks - Most any hard surface.



TURF APPLICATION GUIDE

Values expressed are for general turf application - refer to product labeling for complete application instructions.

PRODUCTS	POUNDS / GALLON	OZ PRODUCT / 1,000 SQ. FT.	GALLONS H2O / 1,000 SQ. FT.	GALLONS PRODUCT / ACRE	GALLONS H2O / ACRE
Soil Moisture Management					
Hydretain® ES Plus	10.60	9/3 initial / maintenance	Variable	3/1 initial/maintenance	Variable
Hydretain® ES Plus II	10.40	9/3 initial / maintenance	Variable	3/1 initial/maintenance	Variable
Hydretain® Granular OC	N/A	2.7 lbs	N/A	120 lbs	N/A
Hydretain® Granular QD	N/A	2.7 lbs	N/A	120 lbs	N/A
Seaweed Supplements					
CytoGro® Hormone Biostimulant	9.0	0.8 / 0.4 initial / maintenance	1	32 oz. / 16 oz. initial / maintenance	40
SeaXtra® Nutritional Supplement (1-0-3)	9.0	0.8 / 0.4 initial / maintenance	1	32 oz. / 16 oz. initial / maintenance	40
SeaXtra® Water Penetrating Pellets	N/A	1 Pellet per 12,000 sq. ft.	N/A	N/A	N/A
Combination Products					
FourPlay™	10.37	9/3 initial / maintenance	Variable	3/1 initial/maintenance	Variable
Multi-Purpose Plus™ (4-0-2)	11.30	6	Variable	2	Variable
Soil Conditioners					
EnviroPlex™	8.96	3-6	1-2	1-2	40-80
Bio MP™ (5-3-2)	9.65	6-15	2-2.5	2-5	80-100
Soil Remediation					
Na-X™ (5-0-0)	11.68	32-64	2	10-22	80
Nutralyz™ (12-0-0)	11.00	13	2	4.3	80
Specialty NPK Blends					
Enviro N™ (28-0-0)	10.56	4.3 (0.1 lbs. N / 1,000 sq. ft.)	2	1.5 (0.1 lbs. N / 1,000 sq. ft.)	80
Enviro P™ (7-21-0)	10.58	14.4 (0.25 lbs. P ₂ O ₅ / 1,000 sq. ft.)	2	4.9 (0.25 lbs. P ₂ O ₅ / 1,000 sq. ft.)	80
Enviro K™ (0-0-25)	12.26	8.6 (0.25 lbs. K ₂ O / 1,000 sq. ft.)	2	2.9 (0.25 lbs. K ₂ O / 1,000 sq. ft.)	80
All K™ (0-0-25-17S)	12.21	10.5 (0.25 lbs. K ₂ O / 1,000 sq. ft.)	2	3.6 (0.25 lbs. K ₂ O / 1,000 sq. ft.)	80
Greens Plus™ (14-4-10)	10.88	8.4 (0.1 lbs. N / 1,000 sq. ft.)	2	2.9 (0.1 lbs. N / 1,000 sq. ft.)	80
Greens Plus™ (12-0-12)	10.80	9.8 (0.1 lbs. N / 1,000 sq. ft.)	2	3.3 (0.1 lbs. N / 1,000 sq. ft.)	80
TurfPlex™ (20-2-3)	10.61	6.0 (0.1 lbs. N / 1,000 sq. ft.)	1	2.0 (0.1 lbs. N / 1,000 sq. ft.)	40
TurfPlex™ NoPhos (20-0-3)	10.54	6.0 (0.1 lbs. N / 1,000 sq. ft.)	1	2.0 (0.1 lbs. N / 1,000 sq. ft.)	40
Turf Starter™ (8-16-5)	10.94	18.2 (0.25 lbs. P ₂ O ₅ / 1,000 sq. ft.)	2	6.2 (0.25 lbs. P ₂ O ₅ / 1,000 sq. ft.)	80
Micronutrients					
Boron Plus™	8.55	0.5-1	1	22-44 oz.	40
Calcium Plus™ (8-0-0)	11.85	12	2	4	80
Iron Plus™ (15-0-0)	10.78	3-6* / 6-12**	1	2	40
Iron Plus Mn™ (12-0-0)	11.46	3-6* / 6-12**	1	2	40
Magnesium Plus™ (7-0-0)	11.06	6	2	2	80
Manganese Plus™	10.47	3	1	1	40
Silica (0-0-2)	8.96	0.1	1	4.4 oz.	40
NutriSolve™	10.21	3-6* / 6-12**	1	2	40
Spectrum™ (8-0-0)	10.78	3-6* / 6-12**	1	2	40
Tuff Greens™ (0-0-13)	10.23	3-6	1	1-2	40

SAMPLE CALCULATION FOR NITROGEN RATES FROM LIQUID FERTILIZERS

- 1) Calculate pounds of N in 1 gallon of product by multiplying the product weight in lbs./gal. by the % N in the guaranteed analysis.
- 2) For ounces of product per 1,000 sq. ft.: Divide the desired application rate in pounds of N/1,000 sq. ft. by the pounds of N/gal. calculated in Step 1. Multiply the resulting fraction by 128 (fl. oz./gal.) to get the number of ounces of product to be applied to 1,000 sq. ft. of turf for the desired rate of N.
- 3) For gallons of product per acre: Multiply the same fraction in Step 2 by 43.56 (1,000s of sq. ft./acre) to get the number of gallons of product to be applied to one acre of turf for the desired rate of N.

Example: Enviro N (28-0-0) weighs 10.6 lbs./gal. and contains 28% N. Therefore, it contains $10.6 \times 0.28 = 2.97$ lbs. of N per gallon of product. For 0.1 lbs. N/1,000 sq. ft.: $0.1 \div 2.97 = 0.033$; $0.033 \times 128 = 4.3$ oz. of product per 1,000 sq. ft. For the amount of product for one acre at 0.1 lbs. N/1,000 sq. ft. rate: $0.1 \div 2.97 = 0.033$; $0.033 \times 43.56 = 1.5$ gal. of product per acre.

Application programs available at www.ecologel.com

ABOUT US

OUR HISTORY - Ecologel Solutions LLC. is a long-standing, premier developer and manufacturer of innovative products for water conservation, dust mitigation, plant nutrition, pond and lake management, and protective barrier treatments. In 2018, Ecologel partnered with Arborjet, Inc. to broaden the expert resources we provide.

Arborjet technology was developed in 2000 by arborists, for arborists, in order to effectively manage and control exotic and native insects and diseases threatening our natural and urban forests. Today, Arborjet is the leading developer of tree care solutions.

Together, both companies are backed by years of research and provide the most effective and environmentally responsible

treatment options available. As premier solutions providers, we are committed to advancing the industries we serve through thought leadership, education and training, product and technology development, scientific research, and exceptional customer service.

OUR TEAM - At Arborjet and Ecologel, we care about you and your success. Many of our staff include, Certified Professional Agronomist, Turf Specialists, Certified Arborists, Pest Control Advisors, and hold board positions in major industry associations. Our decades of technical experience in this industry mean that you benefit from sound advice, environmental responsibility, and creative solutions. Your successful plant health care program helps us realize our mission.

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