



Liquid Nutrition for Healthy Plants™



Greens & Tees



Fairways



Commercial & Residential
Lawn Care



Sports Fields
& Parks



Ornamentals
& Nurseries



RegalGrow™ Products

Follow standard application practices of applying adequate water immediately after application.

Product	Derived From	Description
RegalGrow™ 30-0-0 Harness®	Methylene Urea, Urea Triazone Solution	Methylene Urea/Urea Triazone solution (70% slowly available via microbial degradation) in a patented combination with Harness Polymers to create a nutrient delivery system enhancing the soil's ability to bind with and manage micro and macro nutrients, making all nutrients readily available to the plant.
RegalGrow™ 30-0-0 Bridle	Methylene Urea, Urea Triazone Solution	Methylene Urea/Urea Triazone solution (70% slowly available via microbial degradation) in a patented combination with heavyweight Bridle Polymers to create a nutrient delivery system enhancing soil and organic media's ability to bind with and manage micro and macro nutrients, making all nutrients readily available to plants in a landscape setting.
RegalGrow™ 28-0-0 LiquiGreen™	Methylene Urea, Urea Triazone Solution	Controlled release (microbial degradation) high analysis nitrogen source. Reliable fertility for foliar uptake and stability in the soil. Increases microbial activity and improves soil tilth at all rates.
RegalGrow™ 18-0-0 KSN	Urea, Urea Ammonium Nitrate, NBNX Triazone SRN, Stabilized with NBPT & DCD	High analysis nitrogen source comprised of multiple forms of quickly available nitrogen for immediate plant response as well as slowly available nitrogen in the form of stabilized urea and urea triazone for long lasting color, quality, growth, and recovery.
RegalGrow™ 16-3-10	Urea, Potassium Hydroxide, Phosphoric Acid	A complete fertility package for total plant health at all rates. The N:P:K ratio allows all nutrients to work together to improve plant uptake and reduce waste.
RegalGrow™ PlantResponse 3-0-7	Urea, Potassium Acetate	Nitrogen & potassium powered by PlantResponse technology. PlantResponse is an osmolyte which contributes to increased plant tolerance to abiotic stresses such as heat, drought, and salinity. PlantResponse technology improves chlorophyll content and photochemical efficiency, mitigates cell damage from abiotic stress, and improves overall plant quality.
RegalGrow™ 12-0-0 6% Fe + 2% Mn	Urea, Iron Citrate, Manganese Citrate	Micronutrient package with 6% Fe as well as 2% Mn, complete with urea to enhance and improve color and quality when applied alone, or in conjunction with growth regulators and pesticides.
RegalGrow™ 0-30-0 w/ Shamrock®	Phosphoric Acid	High analysis phosphorus source for improved energy (ATP and ADP) and DNA production and utilization. Shamrock™ technology allows for complete soil availability, and maximum plant utilization of applied phosphorus for enhanced overall nutrient uptake.
RegalGrow™ 0-18-20 w/Shamrock®	Phosphoric Acid, Potassium Hydroxide	High analysis phosphorus and potassium source for enhanced stress relief, water utilization, and recovery. Shamrock™ technology allows for complete soil availability, and maximum plant utilization of applied phosphorus for enhanced overall nutrient uptake.
RegalGrow™ 0-0-25	Potassium Thiosulphate	High analysis potassium liquid fertilizer that provides rate flexibility. It quickly relieves plant stress at lower rates, or can be used to address soil-test-potassium deficiencies at higher rates.
RegalGrow™ 6-0-14	Urea, Potassium Acetate	Potassium with urea nitrogen to provide the ideal potassium to nitrogen ratio to achieve maximum plant-utilization of both nutrients for stress relief and overall plant health.
RegalGrow™ 0-0-21 Phosphite	Phosphorous Acid, Potassium Hydroxide	Plant-available potassium source for relief from overall plant stresses. Foliar and root absorption allows for application flexibility.
RegalGrow™ Humate	Leonardite	Enhances the plant availability and absorption of nutrients in all soils, especially in soils where nutrient retention is low (low CEC). Also increases plant carbohydrates and stress tolerance.

RegalGrow™ Products

Product	Derived From	Description
RegalGrow™ 3-0-5 MaxiCal K (2%Ca, 0.5% Mg, 0.5% Mn, 1.5% Fe)	Calcium Nitrate, Potassium Nitrate, Iron Glucoheptonate, Manganese Glucoheptonate, Magnesium Glucoheptonate	Balanced micronutrient package with added potassium for drought stress tolerance, calcium for leaf rigidity and traffic tolerance, enough nitrate nitrogen to enhance recovery, and incremental iron, magnesium, and manganese to maximize photosynthesis
RegalGrow™ 4-0-0 CaMn (5% Ca, 0.1% Mg, 1.0% Mn, 0.1% B)	Calcium Nitrate, Manganese Glucoheptonate, Magnesium Glucoheptonate, Boric Acid	Balanced micronutrient package with added calcium for leaf rigidity, boron to enhance plant utilization of calcium, magnesium, and manganese to maximize photosynthesis, and incremental nitrogen to stimulate turfgrass recovery.
RegalGrow™ 4-0-0 M.A.M. (1.0% Mg, 1.0% Mn, 1.0% Fe)	Urea, Soy Protein Hydrolysate, Magnesium, Manganese, and Iron Glucoheptonate, Molasses	A liquid blend of molasses, amino acids, iron, magnesium, and manganese formulated to provide a balanced benefit to the plant and soil. Designed to improve plant growth and color during periods of stress, especially during low light conditions or cool temperatures.
RegalGrow™ Muscle®	Proprietary Chemistry from Fermentation Processes	A proprietary formulation of plant available amino acids and proteins designed to enhance a plant's tolerance to environmental stresses. This unique formulation stimulates photosynthesis and enhances root growth, and promotes recovery from stresses including disease, drought, shade, cultivation and transplanting.

Nutrients & Bio-Stimulants

Product	Derived From	Description
RegalCrown®	Proprietary blend of Auxins, Cytokinins, and Gibberellins	A plant growth stimulator engineered to enhance rooting of both monocot (grass) and dicot (broadleaf) plants. The ratios of Auxins, Gibberellins, and Cytokinins are geared toward maximizing root development without triggering undesired growth of the above ground plant structures (leaves, stems, and shoots).
Multigreen II® (5% Fe, 0.5% Mn, 0.05 Mo, 0.5% Zn)	Fe, Cu, Mo, and Zn Glucoheptonates	A concentrated, balanced, liquid micronutrient blend chelated for maximum foliar and soil nutrient availability. Higher Fe formulation quickly enhances plant color, quality and vigor with season-long application flexibility.
Maxigreen II® (2% K, 1.0% Mg, 2.0% S, 2.5% Fe, 0.02% B, 0.5% Mn, 0.5% Zn)	Potassium Nitrate, Mg, Fe, B, Mn, and Zn Glucoheptonate	A concentrated, balanced, liquid macro and micronutrient blend chelated for maximum foliar and soil nutrient availability. Potassium enhances stress-tolerance and water movement, while S, Mg, and 4 additional micro-nutrients improve color, quality, and vigor with season-long application flexibility.
LiquiCal 8-0-0 (10% Ca)	Calcium Nitrate	A concentrated, flowable, calcium nitrate fertilizer that improves plant rigidity and traffic tolerance while promoting growth and recovery.
Anchor™ 30-0-0	Methylene Urea, Urea Triazone Solution	Up front release for quick greening with controlled release nitrogen for longevity.

Bridle Paks: Available in 800 sq ft. & 12,000 sq ft. paks

Pak Contains: **Bridle 30-0-0:** Polymer technology that provides nutrients to the plant as needed.

Ensemble 0-18-20 w/ Shamrock: Improves plant health, enables nitrogen absorption and provides efficient season long feeding.

Cure & Sterling: Increases overall plant health and pest tolerance.

Micronutrients with RegalCrown: Minimize nutrient deficiencies, hastens root development, improves color and maximizes water utilization.



Wetting Agents & Spray Adjuvants

Product	Description
Gaurdian™	A safe and effective nonionic soil surfactant. Guardian works to prevent and control localized dry spots, improves water infiltration and provides even wetting of the soil profile to better utilize irrigation, rainfall, plant nutrients, and plant protectants.
Oasis XL™	An environmentally friendly, high performing, long lasting soil surfactant designed to combat hydrophobic soils. Oasis XL works to prevent and control localized dry spots, improve water infiltration, and improve distribution of water in the plant root zones.
Tension Aid®	A nonionic soil surfactant for water management in turfgrass, ornamentals, nurseries and greenhouse operations. Tension Aid works to reduce the surface tension of water and combat soil water repellency so that soils and organic matter are wet more evenly and effectively.
Tension Aid Pellets®	Hose-end surfactant pellets that help aid in relief of localized dry spots by reducing the surface tension of water enabling soils to be wet more effectively and evenly.
DiAqua®	A nonionic surfactant that can be used to improve the performance of most herbicides, fungicides, insecticides, miticides, defoliants, desiccants, and fertilizers by providing more uniform distribution, better wetting of plant surfaces, and better absorption into the plant. DiAqua can also serve as a short-term dew preventer.
DiAqua Plus®	A nonionic surfactant in combination with ammonium sulfate for use with certain post-emergence herbicides, especially glyphosate, to reduce the effect of hard water on efficacy, provide uniform coverage, improve retention of spray solution, aid herbicide penetration into the plant, and enhance herbicide activity.
DiAqua MSO®	A multi-component surfactant containing Metholated Seed Oil. Research indicates that Metholated Seed Oil can be used as a replacement of nonionic surfactants and crop oil concentrates in combination with certain post-emergence herbicides to improve the efficacy of those herbicides.
DiAqua PS®	A nonionic surfactant specifically designed for tree trunk applications. DiAqua PS can be used with most pesticide and fertilizer products, and is designed to ensure uniform distribution and absorption of tank mix partners.
Color-Aide™	A pH buffering agent that counters the detrimental effects of both high pH and hard water on sensitive pesticides. Color-Aide contains a unique pH indicator that turns the spray water pink when the optimum pH range of 4.5 to 5.5 has been reached.
Foam-X®	A silicone emulsion that at very low concentrations is effective for control and suppression of foam in aqueous solutions.
Fomalot	A foam marker for use with sprayers and spreaders to ensure accurate application coverage.
NuWay	Combines stain removal with detergent action to act as an excellent spray tank cleaner as well as a cleaning solution for use in golf course ball washers. In golf course ball washers, Nu-way works to prevent algae, rust, and slime and will not become rancid over time.
Dy'on®	Available in Blue, Green, and Black, Dy'on is a water soluble dye used as a spray indicator dye or as pond and lake colorants.



Product Conversion Charts

RegalGrow 30-0-0 Harness

#N	Rate (oz./M)	Rate (GL/Acre)
0.1	4.1	1.4
0.2	8.3	2.8
0.3	12.4	4.2
0.4	16.6	5.6
0.5	20.7	7.0

Weight per Gallon: 10.3 lbs.

RegalGrow 30-0-0 Bridle

#N	Rate (oz./M)	Rate (GL/Acre)
0.1	4.1	1.4
0.2	8.3	2.8
0.3	12.4	4.2
0.4	16.6	5.6
0.5	20.7	7.0

Weight per Gallon: 10.3 lbs.

RegalGrow 28-0-0 LiquiGreen

#N	Rate (oz./M)	Rate (GL/Acre)
0.1	4.4	1.5
0.2	8.8	3.0
0.3	13.2	4.5
0.4	17.6	6.0
0.5	22.0	7.5

Weight per Gallon: 10.4 lbs.

RegalGrow 18-0-0 KSN

#N	Rate (oz./M)	Rate (GL/Acre)
0.1	6.9	2.3
0.2	13.8	4.7
0.3	20.7	7.0
0.4	27.6	9.4
0.5	34.5	11.7

Weight per Gallon: 10.3 lbs.

RegalGrow 12-0-0 6%Fe & 2%Mn

#N	Rate (oz./M)	Rate (GL/Acre)
0.1	9.1	3.1
0.2	18.2	6.2
0.3	27.4	9.3
0.4	36.5	12.4
0.5	45.6	15.5

Weight per Gallon: 11.7 lbs.

RegalGrow 0-30-0 w/ Shamrock

#P	Rate (oz./M)	Rate (GL/Acre)
0.1	4.1	1.4
0.2	8.1	2.8
0.3	12.2	4.1
0.4	16.3	5.5
0.5	20.3	6.9

Weight per Gallon: 10.5 lbs.

RegalGrow 0-0-25

#K	Rate (oz./M)	Rate (GL/Acre)
0.1	4.2	1.4
0.2	8.4	2.9
0.3	12.6	4.3
0.4	16.8	5.7
0.5	21.0	7.1

Weight per Gallon: 12.2 lbs.

RegalGrow 0-0-21 Phosphite

#K	Rate (oz./M)	Rate (GL/Acre)
0.1	5.3	1.8
0.2	10.6	3.6
0.3	15.9	5.4
0.4	21.2	7.2
0.5	26.5	9.0

Weight per Gallon: 11.5 lbs.

RegalGrow 0-18-20 w/ Shamrock

#P	#K	Rate (oz./M)	Rate (GL/Acre)
0.09	0.10	5.5	1.9
0.18	0.20	11.0	3.8
0.27	0.30	16.6	5.6
0.35	0.40	22.1	7.5
0.44	0.50	27.6	9.4

Weight per Gallon: 11.6 lbs.

RegalGrow 6-0-14

#N	#K	Rate (oz./M)	Rate (GL/Acre)
0.04	0.10	9.1	3.1
0.09	0.20	18.3	6.2
0.13	0.30	27.4	9.3
0.17	0.40	36.6	12.4
0.21	0.50	45.7	15.6

Weight per Gallon: 10.0 lbs.

RegalGrow 16-3-10

#N	#P	#K	Rate (oz./M)	Rate (GL/Acre)
0.1	0.02	0.06	7.7	2.6
0.2	0.04	0.13	15.4	5.2
0.3	0.06	0.19	23.1	7.9
0.4	0.08	0.25	30.8	10.5
0.5	0.09	0.31	38.5	13.1

Weight per Gallon: 10.4 lbs.

RegalGrow Humate

Rate (oz./M)	Rate (GL/Acre)
3	1.0
6	2.0
9	3.1
12	4.1

Weight per Gallon: 8.8 lbs.

Product Conversion Charts

RegalGrow 4-0-0 M.A.M. 1.0%Fe, 1.0%Mg, 1.0%Mn

Rate (oz./M)	Rate (GL/Acre)	#N
2	0.7	0.006
6	2.0	0.019

Weight per Gallon: 10.2 lbs.

RegalGrow 3-0-5 MaxiCal-K 2%Ca, 1.5% Fe, 0.5% Mg, 0.5% Mn

Rate (oz./M)	Rate (GL/Acre)	#N	#K
2	0.7	0.005	0.008
6	2.0	0.015	0.025

Weight per Gallon: 10.1 lbs.

RegalGrow 4-0-0 CalMn 5%Ca, 1.0%Mn, 0.1%Mg, 0.1%B

Rate (oz./M)	Rate (GL/Acre)	#N
2	0.7	0.005
6	2.0	0.015

Weight per Gallon: 10.6 lbs.

RegalGrow 3-0-7 Plant Response

Rate (oz./M)	Rate (GL/Acre)	#N	#K
7.5	2.5	0.015	0.035
15	5.0	0.030	0.070

Weight per Gallon: 9.1 lbs.

LiquiCal 8-0-0 10%Ca

Rate (oz./M)	Rate (GL/Acre)	#N
4	1.4	0.031
6	2.0	0.046

Weight per Gallon: 12.2 lbs.

RegalGrow Muscle

Rate (oz./M)	Rate (GL/Acre)
7.5	2.5
15	5.0

Weight per Gallon: 12.2 lbs.

TANK MIXING INSTRUCTIONS

Some product combinations require a specific mixing sequence. In absence of label recommendations, use this method because the compatibility of two or more chemicals may be based on the order in which they are added.

To begin: Start with an amount of water equal to 30-50% of final total spray volume and begin with agitation.

Order of ingredients: Add individually and allow each ingredient to be uniformly mixed before adding the next component. Continuously agitate throughout the mixing process. Within each formulation group, add pesticides first. For example, add a soluble powder fungicide before a soluble fertilizer such as ammonium sulfate or Regal Solugreen product.

Wettable Powders, Water Dispersible Granules, and Water Soluble Fungicides. Always add pesticides first and allow for thorough agitation

Agitate Tank Mix Thoroughly

Liquid Flowables and Suspensions (Add pesticides first) RegalGrow products added here and agitate thoroughly in-between each product

Emulsiifiable Concentrate Formulations. Always add pesticides first and allow for thorough agitation

Surfactants/Solutions (Always add pesticides first)

Notes:

Tank mixing increases efficiency but also increases the chances of a mishap if not done correctly - following proper mixing guidelines is the first step to a successful tank-mix and application.

Always read and follow label directions, and when in doubt, do a jar test to ensure compatibility.

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Regal Chemical Co.

600 Branch Drive

Alpharetta, GA 30004

800.621.5208