GOLF SALURING PRODUCTS CATALOG









" SINCE 1990

We have earned the reputation of a valuable business partner to over 15,000 contractors throughout the United States and Canada. I encourage you to use the information you learn and hold us accountable to exceptional customer service. If you have any questions, comments, or concerns, please don't be shy and let us know. Listening to the needs of our customers has been one of the keys to our success.

As a former contractor, I knew the need for a better distributor existed and that is why we are in business today. We will continue to listen to you and do what we can to help your business grow. **We know that your success is our success."**

// repair

Bernardo LucianoCentral Turf & Irrigation Supply, Inc.

INVENTORY

Central has the largest selection of in-stock inventory in the industry—with a focus on local. This means we have the right products, at the right time, across every category; we are truly one-stop shopping.

► FLEXIBLE CREDIT LINES

Central offers the best financing terms in the industry. We are a family-owned company, not a Wall Street corporation focused only on profit. We'll work with you to make sure you can get what you need, when you need it.

► FLEXIBLE TERMS

We understand the seasonality of the industry and the cash flow requirements for your business. With early order programs throughout the year, we offer you a variety of terms so that you can **choose what works best for you.**

► SAME-DAY DELIVERY

Central offers same-day delivery services—we'll meet you there. We have **more vehicles per branch than any other green industry distributor** including flat bed trucks in all sizes and moffet-equipped trucks.

SUBJECT MATTER EXPERTS

Whether you need help with technical troubleshooting, training for your team, or recommendations on the best products, you can rely on us. With Subject Matter Experts across every category, plus technical call centers, **Central will help you find the right solution.**

YOUR GOLF TEAM

ABOUT US

Our carefully crafted team of Golf Specialists all have one crucial trait in common: Passion. We know firsthand the level of passion and effort that is required in order to keep your course maintained and looking great all season, every season. We can help meet all of your needs through the use of cutting edge, efficient and impactful products to achieve industry leading results. Pair this alongside our years of experience & industry knowledge to find the right solution to any challenge that you may face. To get ahead of the competition, you need to set yourself apart. That's why Central Golf does things a bit differently – we're a Distributor that not only works as hard as you do, but only succeeds when you do.



Jay Swanson CID, CGIA, CLIA, CIT

Director of Golf & Public Agency

Jay Swanson, Director of Golf & Public Agency Sales, has over 20 years in the industry with distribution and manufacturing. With a B.S. in Environmental Science and multiple National Irrigation Association Certifications, he specializes in Golf and Commercial Irrigation design, specification and sales. His passion is Environmental Science and Water Conservation.

Contact: (518) 772-7750 jswanson@centraltis.com



Jeff Miller

Regional Sales Manager - Southeast Golf

Jeff, brings 20 years of golf course management experience to Central. His work experience as a Golf Course Superintendent ranges from construction & grow-in, to daily maintenance at semi-private and private facilities. With a bachelor's degree from Michigan State University in Turfgrass Management, his passion for golf course properties and those who maintain them has no limit. Jeff stands ready to aid others in their pursuit of agronomic excellence.

Contact:

(231) 357-5747 | jmiller@centraltis.com



Mac Johnson

Account Leader - Golf

Mac is a graduate of Abraham Baldwin Agricultural College, with a Bachelors of Science in Environmental Horticulture specializing in Golf Course and Turf Management. Based in South GA, with 8 years of experience in the industry, he specializes in agronomics, irrigation services, and sales. As a former assistant superintendent, his passion comes from assisting other turf professionals by finding solutions to their problems and helping one another be better stewards of the land.

Contact:

(478) 256-5799 | mjohnson@centraltis.com



Travis Crosby

Southeast Regional Golf Service Manager

Travis is a true asset to the team as he brings over 15 years of industry experience, a degree in Golf Course Management, certifications in Golf Course Mechanics and a former golf course superintendent. Based in South Carolina, he specializes in golf course construction, service and sales. His passion is helping customers achieve their goals of green, healthy turf.

Contact:

(770) 539-3701 | tcrosby@centraltis.com



Chris Bracken

Account Leader - Golf

Chris comes to Central TIS as a graduate of the Rutgers Golf Turf Management Program and over 10 years of combined lawn care & golf course management experience. Based in Connecticut, his passion in the industry has always been golf courses. His focus on customer service, architecture and the challenges of creating a healthy playing surface for course members makes him a true asset to the Central team.

Contact:

(203) 822-4883 | cbracken@centraltis.com



Jon Van Dyke CID Certified

Account Leader - Golf

Jon, with degrees in Business and Mechanical Engineering, has spent the last 13 years in the industry. Based in Latham, NY, he specializes in Golf and Commercial Irrigation design, specification, agronomics and sales. Achieving his CID for Commercial in 2017, he has designed golf, commercial and athletic field irrigation systems. His passion is turf and agronomy with a focus on making sure the customer receives the service and support they deserve.

Contact:

(518) 713-8363 | jvandyke@centraltis.com



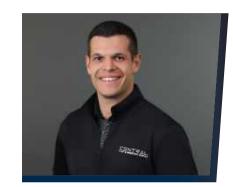
Michael Yannetta

Northeast Regional Golf Service Manager

Michael comes to Central TIS with over 17 years of experience in the industry. Based in New Jersey, Michael is a former owner of an irrigation company that specialized in residential service, commercial service and installations. His passion for the turfgrass industry and his extensive experience servicing many golf course systems over the years, make him extremely knowledgeable and an asset to Central TIS and its customers.

Contact:

(201) 360-1122 | myanetta@centraltis.com



Brian Giunta

Account Leader - Golf

Brian joins Central TIS with over 14 years of combined experience in lawn and golf course management and is a graduate of the Rutgers Golf Turf Management Program. Based in New Jersey, he specializes in budgeting, as well as chemical and fertility planning. As a former superintendent, Brian brings extensive industry knowledge to the Central team, with a passion for helping customers achieve high quality course conditions.

Contact:

bgiunta@centraltis.com

Industry Associations that our Team is a part of:

























── 05 MEET YOUR GOLF TEAM MEET YOUR GOLF TEAM

SUBJECT MATTER EXPERTS



Austin Marsteller

Chemical Category Director - Turf

Austin has a decade of experience in the green industry, a degree in Turfgrass Science from Penn State University and an MBA from Louisiana State University-Shreveport. His career has been heavily focused in turf and ornamental on the manufacturer side, and most recently in agriculture.

Specifically bio stimulants, adjuvants, and specialty fertilizers. Austin works closely with all the employees and partners of Central to provide superior service and solutions to our turf and ornamental customers.



Ryan Batz

Fertilizer Category Director - Turf

Ryan has a B.S. in Turfgrass Management from Penn State
University. He brings years of experience to the team as a
GCSAA Class A Member with 6 years as the US Technical
Director for Ferti Technologies, along with 11 years as a Golf
Course Superintendent and the former owner/operator of
GreenKeepers Lawn Care. Ryan has also been in sales as a Golf
Technical Sales Rep in the NY Metro area. Ryan embodies the
Central Difference by holding a board position for a non-profit
camp for underprivileged youth and sits on a Project Advisory
Board for Minimizing Fertilizer Runoff at Candlewood Lake.



Doug Armour

Commercial Irrigation Technical Manager

Doug Armour is certified by the Irrigation Association as a Landscape Irrigation Water Manager. In addition, he holds certifications with Hunter, Rain Bird, and has been factory trained with Tucor. He is an excellent resource for any technical questions about irrigation systems and troubleshooting systems that are not working properly.



Dave Shane

Commercial Sales Manager - Irrigation

Dave Shane has more than three decades of experience in the irrigation industry in both distribution and manufacturing roles. He specializes in commercial project solutions with an emphasis on controls to meet complex requirements. He is an excellent resource for any technical questions about irrigation systems and finding the right solutions for designing efficient irrigation systems.



Myles Buckley

Turf Manager - New England

Myles Buckley is Central Turf & Irrigation Supply's New England Turf & Agronomic Manager. Myles has more than 30 years of experience in the green industry. He holds a supervisory license for ornamental turf in multiple states. Myles is experienced in solving the most complicated turf issues and has put together custom training for our customers. His diverse background makes him an excellent resourceto help grow your business.



Greg Johnson

Turf Manager - Southeast

Greg has 25 years in the green industry. He started out by treating lawns, trees and shrubs before opening two successful businesses in the Atlanta area. Greg joined the Central team in 2019 and has since strived for excellence & received numerous awards in sales; Employee of the Year and Branch Manager of the Year. He also holds Category 24 and 41 Licenses with the Georgia Department of Agriculture, is a member of the Urban Ag Council and works with the University of Georgia training licensed applicators. Greg is ready to help you take your turf and ornamental category to the next level.



Eric Cummings

Drainage Category Director

Eric has a B.A. Degree from West Chester
University in Philadelphia, along with 25 years of
experience in the industry. He spent 5 years as
a District Sales Manager for NDS prior to joining
Central. While at NDS, he built a detailed knowledge
of both residential & commercial drainage. Eric
was responsible for sales in his territory, in addition
to education on drainage to both contractors
and distributors. He brings extensive product
knowledge to Central, but also market intelligence,
technical prowess, and an overall grasp on all that
goes into distribution of drainage products.



Glen Nyhuis

National Lighting Director

Glen Nyhuis has nearly three decades in the landscape lighting business. He has worked in the field installing & designing landscape lighting, as well as distribution. Beyond that, he has spent many years teaching and working with contractors on how to sell lighting products to their customers. Whether it's a technical/design question, or helping source the right product for the job, Glen is ready to help you make money and grow your business.



Travis Holbrook

Category Director - Outdoor Living/Hardscape

Travis Holbrook has nearly 30 years of experience in the green industry. He has spent much of his career in distribution with a heavy focus on outdoor living and hardscapes and outdoor audio. His industry experience also includes procurement, distribution, key account management and sales, providing contractor with a truly one stop shop experience. Travis has a passion to provide green industry professionals the tools needed to sell and install from property line to property line.

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SUBJECT MATTER EXPERTS

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11 AGRONOMICS

PRE-EMERGENT HERBICIDES POST-EMERGENT HERBICIDES 18-19 **NON-SELECTIVE HERBICIDES** 20-22 **INSECTICIDES & NEMATICIDES** 23-26 **FUNGICIDES PLANT GROWTH REGULATORS**

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MAKE LIFE EASIER

ONE-STOP SHOPPING





IRRIGATION

» Sprinkler

» Pipe & Fittings

» Drip

» Electrical

» Water Efficiency

» Pumps

» Central Control

TURF

» Fertilizer & Seed

» Erosion Control

» Chemicals » Organic

» Pest Control

» Hand Tools

» Lake & Pond Care



» Compact Utility

» Aerators

» Trenchers/

Pullers

» Hand-Held Power

» Parts » Rental » Landscape Lighting

» Bistro Lighting

» Holiday Lighting » Event Lighting

» Outdoor Audio



OUTDOOR LIVING

» Pavers

» Fire Pits / Places

» Outdoor Kitchen Kits

» Drainage

» Kitchen Kit Accessories » Synthetic Turf



SNOW MANAGEMENT

» Ice Melt

» Spreaders

» Equipment/Tools



GOLF COURSE

» Irrigation

» Turf Maintenance

» Golf Specialties

» Aquatic Maintenance

» Pump Stations **Products**

CENTRAL HAS THE LARGEST SELECTION OF IN-STOCK INVENTORY FROM LEADING MANUFACTURERS IN THE INDUSTRY.

PRE-EMERGENT HERBICIDES

DON'T WAIT UNTIL IT'S TOO LATE

Apply pre-emergent control before weeds germinate and establish themselves on your course. Selecting the right products can limit the time and money you spend later trying to remove stubborn fully established weeds.



LEARN MORE ABOUT PRE-EMERGENTS













Dimension 2EW



Active Ingredient: Dithiopyr

- » Pre-emergent control of crabgrass and more than 45 other grassy and broadleaf weeds including bittercress, spurges, oxalis, chickweed, poa annua and
- » Early post control of crabgrass
- » Non-staining
- » Can be applied to turf, landscapes, and bare ground for an ideal whole-site solution



Specticle FLO

FEATURES: -

Active Ingredient: Indaziflam

- » Broad-spectrum control of key grassy weeds and more than 60 broadleaf weeds
- » Extended residual control of poa annua
- » Longer residual control means fewer applications and reduced fuel and labor costs
- » Low use rates



Prodiamine 4L

FEATURES: **F**

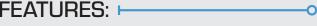
Active Ingredient: Prodiamine

- » Low use rates provide efficient control of crabgrass, poa annua, goosegrass and key annual broadleaf weeds
- » May be applied for season long control



Oxadiazon SC

FEATURES: F



Active Ingredient: Oxadiazon

- » Single, pre-emergence application delivers season-long control of weeds and grasses via shoots of target plants
- » Will not inhibit turf root growth or recovery, ideal for springing, no damage to labeled

CORTEVA"

11 PRE-EMERGENT HERBICIDES PRE-EMERGENT HERBICIDES 12



SureGuard FEATURES: ⊢



Active Ingredient: Flumioxazin

- » Long residual pre-emergent control in landscape beds
- » Broad spectrum including tough-to-control weeds
- » No yellow color, odor, or concerns with off-target movement and volatility



Kerb® SC T&O



FEATURES: F

Active Ingredients: Pronamide

- » Pre-emergence and early post-emergence control of many winter annual and perennial grasses on golf courses
- » Aids in removal of perennial ryegrass from warm-season grasses in spring transition
- » Easy-to-apply liquid formulation uses pints per acre



Bensumec[™] 4LF Pre-Emergent Grass & Weed Herbicide



FEATURES: **F**

Active Ingredients: Bensulide

- » Control of annual grasses, including crabgrass, Poa annua, and goosegrass
- » For use on established Bahiagrass, bentgrass, fescue, perennial bluegrass, zoysiagrass
- » Use on golf course greens, tees, and bentgrass fairway



Coastal

FEATURES:



Active Ingredients: Imazaquin, Prodiamine, Simazine

- » Broad-spectrum, pre- and post-emergent broadleaf and grass weed control
- » Excellent resistance management tool
- » Low lateral mobility
- » Most economical poa annua control available



LEARN MORE ABOUT POST-EMERGENTS











13 PRE-EMERGENT HERBICIDES POST-EMERGENT HERBICIDES



Speedzone EW FEATURES: -

Active Ingredients: MCPP, Dicamba, Carfentrazone, 2,4-D

- » Controls 90+ broadleaf weeds
- » Rainfast in 3-4 hours
- » Fast visual response



Katana

FEATURES: -



Active Ingredients: Flazasulfuron

- » Kills Poa annua, ryegrass, tall fescue, and the toughest broadleaf weeds in turf
- » Works in cooler temperatures
- » Highly selective in seashore paspalum, Bermuda, zoysia, centipede and buffalo grasses



Speed Zone Southern



FEATURES: -

Active Ingredients:

2,4-D, 2-ethylhexyl ester, Mecoprop-p, Dicamba, Carfentrazone- ethyl

- » Proven to provide fast, dependable control of broadleaf weeds, including dollarweed, creeping beggarweed, ground ivy, and spurge
- » Highly selective in both warm- and cool- season turfgrasses
- » Rainfast in three hours



Negate

FEATURES: ⊢



Active Ingredients: Rimsulfuron, Metsulfuron methyl

- » Effective Against: poa annua, poa trivalis, ryegrass, bentgrass, clovers, dandelion, henbit, chickweed, wild onion & wild garlic, spurge
- » Broadest spectrum of control within the ALS inhibitor class of chemistry
- » Outstanding over-seeded Bermudagrass transition and Zoysiagrass maintenance with superior cost effective performance



Avenue™ South Broadleaf Herbicide





Active Ingredients: 2,4-D Dicamba, Penoxsulam, Sulfentrazone

- » Delivers fast broadleaf control in the South's warm weather and sensitive southern grasses
- » Controls more than 90 broadleaf weeds including clover, dollarweed, spurge, and Virginia buttonweed
- » Residential and commercial, golf courses (fairways and roughs), recreational areas



Dismiss

FEATURES: -



Active Ingredient: Sulfentrazone

- » Excellent control of yellow and purple nutsedge and horsetail
- » Kyllinga suppression
- » Easy-to-use water-soluble formulation
- » Rainfast 4 hours after spraying
- » Registered for use on numerous cool- and warm-season grasses



Q4[®] Plus Turf Herbicide for Grassy & Broadleaf Weeds



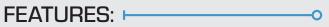
FEATURES: -

Active Ingredients: Quinclorac, 2,4-D, Sulfentrazon, Dicamba

- » Single product option to control crabgrass, yellow nutsedge and other broadleaf weeds
- » Highly selective on cool-season and listed warm-season turfgrasses
- » Rapid visual response and has a one-week reseeding interval for most listed turf



Certainty®





Active Ingredient: Sulfosulfuron (75%)

- » Selective, post-emerge weed control in warm-season turf and ornamentals
- » Flexibility to be applied to a wide range of warm-season turfgrasses
- » For use in residential and commercial sites, sod farms and certain golf course applications including native warm-season grass sites

15 POST-EMERGENT HERBICIDES POST-EMERGENT HERBICIDES 16



Quinclorac 75 DF FEATURES: ⊢



Active Ingredient: Quinclorac 75%

- » Dependable post-emergent control of both broadleaf and grassy weeds in a wide variety of turf species
- » Use on residential and commercial, golf courses, sports fields and sod farms



Pylex

FEATURES: -



Active Ingredient: Topramezone

- » Unmatched performance on difficult-to-eliminate weeds such as bermudagrass and goosegrass in cool-season turf as well as excellent control of nimblewill, crabgrass, clover, speedwell, and others
- » Safe for most cool and warm season turfgrasses
- » Readily absorbed by leaves, roots and shoots



Acclaim Extra

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FEATURES: -

Active Ingredient: Fenoxaprop

- » Offers reliable post-emergent control of crabgrass and goosegrass without harming cool season turf
- » Rainfast in one hour
- » Most effective when weeds are young and actively growing



Millennium Ultra 2

FEATURES: ⊢



Active Ingredients: Clopyralid, Dicamba, 2,4-D

- » Excellent control of the hardest-to-kill weeds including thistle and Virginia buttonweed
- » Weeds "melt" out of the turf
- » Innovative chemistry for rapid response and maximum performance
- » Unparalleled clover control



LEARN MORE ABOUT NON-SELECTIVES







POST-EMERGENT HERBICIDES NON-SELECTIVE HERBICIDES 18



Roundup QuikPro

FEATURES: -



Active Ingredients: Glyphosate, Diquat

- » Visible results in as little as 24 hours
- » Quick uptake speeds weed-killing power right to the root, where it can't wash away
- » Rainfast in one hour
- » Quick burndown and complete control, roots and all, reduce hassle of customer complaints and callbacks



Cheetah Pro

FEATURES: F



Active Ingredient: Glufosinate Ammonium

- » Non-selective, post-emergence herbicide provides fast, effective control of the toughest broadleaf and grass weed challenges
- » Works on resistant glyphosate and other herbicide classes
- » Minimal soil residual, which makes it an effective pre-plant treatment for turf, ornamentals, and greenhouses



Ranger Pro FEATURES: ⊢

MONSANTO \$

Active Ingredient: Glyphosate

» Will kill many annual weeds, perennial weeds, woody brush and trees. It is formulated as a water-soluble liquid with surfactant, therefore no additional surfactant is needed. Moves through the plant from the point of foliage contact to and into the root system. It's absorbed into soil and breaks down naturally, and therefore not spread through the ground and kill neighboring plants.



LEARN MORE ABOUT INSECTICIDES











19 NON-SELECTIVE HERBICIDES INSECTICIDES & NEMATICIDES

INSECTICIDES

Acelepryn syngenta FEATURES: -

Active Ingredient: Chlorantraniliprole

- » Season-long control of every key turf-damaging white grub species
- » Season-long control of caterpillars including black cutworms, sod webworms and fall armyworms
- » Excellent billbug and annual bluegrass weevil control







FMC

Active Ingredient: Novaluron

- » A brand-new class of chemistry with a unique mode of action to fight against annual bluegrass weevils
- » Effective Against: Annual bluegrass weevil larvae, billbug larvae, turf caterpillars, white grubs, chinch bug larvae



Tetrino

FEATURES: ⊢



- » Season-long control of white grubs with a single application
- » Fast-acting systemic control of all ABW larval stages
- » Flexible use rates and application timing to fit any agronomic program, allowing for a preventive or early curative approach



Imidacloprid T&O 2F

FEATURES: -

Active Ingredient: Imidacloprid

- » Low use rates, application flexibility
- » For systemic control of soil inhabiting pests in turfgrass and landscape plantings
- » Effective against: southern masked chafer, northern masked chafer, Japanese beetle, European chafer, European crane fly, green June beetle



Arena



Active Ingredient: Clothianidin

- » Controls pyrethroid-resistant chinch bug, without increasing the level of pyrethroid resistance
- » Controls white grubs, including Japanese beetle and masked chafers, plus other thatch and surface feeding insects
- » Does not require immediate watering-in after application



Triple Crown Golf FEATURES: -

Active Ingredients: Zeta-Cypermethrin, Bifenthrin, Imidacloprid



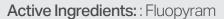
- » By eliminating the need to tank mix multiple products to control above- and belowground pests, Triple Crown helps save time, money and shelf space.
- » Controls over 30 pests



Indemnify FEATURES: -



envu



- » Controls key plant parasitic nematodes.
- » Can be applied on all areas of play (greens, tees and fairways)
- » Improves root growth, translating to better playability with improved wear tolerance
- » Sting, root-knot, ring, Anguina pacificae, and has activity on many other key nematode species



Fipronil 0.0143G Broadcast

FEATURES: ----

Active Ingredient: Fipronil 0.0143%

- » Control of existing and prevention of new fire ant infestations in residential, commercial, golf course/recreational turfgrass and landscape beds
- » Single application delivers up to one year of reliable fire ant control
- » Works by contact and ingestion and in all weather conditions



INSECTICIDES & NEMATICIDES 22

LEARN MORE ABOUT FUNGICIDES











FUNGICIDES



Pedigree FEATURES: F

G pbi/sondo

Active Ingredient: Flutolanil

- » Provides turf professionals the same proven performance as granular flutolanil in an easier-to-handle liquid formulation.
- » Systemic disease control of brown patch, brown ring patch, fairy ring, red thread, pink patch, yellow patch, gray snow mold, large patch, and leaf and sheath spot on turf



Traction

FEATURES: -



Active Ingredients: Fluazinam, Tebuconazole

- » Control challenging diseases: anthracnose, dollar spot, brown patch and snow mold
- » Works via contact and systemically within the plant, controls 19 turf diseases
- » Proprietary FRAC 29 + FRAC 3 combination that supports disease resistance management programs



Kalida

FEATURES:

FMC

Active Ingredient: Fluindapyr, Flutriafol

- » Rapid uptake, longevity, and controls the toughest diseases
- » Complete protection against a wide spectrum of tough diseases at the same time
- » FRAC 7 + FRAC 3 Fungicide



Serata

FEATURES: **F**



Active Ingredient: Picarbutrazox

blight and pythium damping off.

» Provides control of key Pythium diseases commonly found in warm - and cool - season turf grasses, including pythium root rot, pythium root dysfunction, pythium

» No known cross resistance between it and other oomycete chemistries, making it the new standard for pythium control and resistance management on golf courses, industrial lawns and commercial sites.

- 23 FUNGICIDES 24

FUNGICIDES



Fame SC FEATURES: -



Active Ingredient: Fluoxastrobin, Tebuconazole

- » A broad-spectrum fungicide for the control of certain diseases including snow mold – in turf and ornamentals-industrial lawns and commercial sites
- » Works by interfering with respiration and sterol synthesis in plant-pathogenic fungi, and is a potent inhibitor of spore germination and mycelial growth



Fore 80 WP

FEATURES: ⊢



Active Ingredient: Mancozeb

- » Multi-site enzyme inhibitor helps manage disease resistance
- » Preventive control of brown patch and 11 other diseases
- » Excellent algae control product
- » Rainshield technology Improves effectiveness under heaviest disease pressure conditions



Kabuto

FEATURES: -



Active Ingredient: Isofetamid

- » Liquid formulation featuring isofetamid
- » Provide excellent control of Spring dead spot
- » Preventative and curative control of dollar spot, including control of certain carboxamide-resistant dollar spot populations



Mefenoxam 2 AQ

FEATURES: -



Active Ingredient: Mefenoxam

- » Formulated to provide systemic control of root and stem diseases caused by Pythium and Phytophthora spp. as well as foliar diseases such as downy mildew
- » Water-based formula with low odor
- » Can provide protection for up to 3 weeks



Tekken

FEATURES: ⊢



Active Ingredients: Isofetamid, Tebuconazole

- » Dependable control of 21 of the most problematic diseases in turf, including dollar spot, brown patch, and anthracnose
- » Uses two active ingredients to provide two different modes of action to help manage resistance
- » Delivers broad-spectrum control for up to 28 days



Union

FEATURES:



Active Ingredients: Azoxystrobin, Cyazofamid

- » Combines two powerful active ingredients to deliver exceptional performance in a single fungicide
- » Long-lasting residual control
- » Broad spectrum



Enclave

FEATURES: -



Active Ingredients: Chlorothalonil, Iprodione, Thiophanate Methyl, Tebuconazole

- » Broad-spectrum fungicide
- » Long-lasting protection from anthracnose, brown patch, dollar spot, and snow mold
- » Safeguards your susceptible turfgrass with multi-site protection



Fosetyl-Al 80 WDG

FEATURES: ⊢



Active Ingredient: Aluminum tris

- » Stimulates defense mechanisms, enhances plant vigor
- » Single application delivers up to 30 days protection
- » Foundation to unsurpassed summer stress control
- » Effective against: pythium blight, pythium root rot, yellow tuft, phytophthora root rot

25 FUNGICIDES FUNGICIDES 26 -



While plants need sun, water, oxygen, and nutrition to grow they also need internal regulation to control their growth, enlargement and health. Whether you are looking for growth promoting, or growth inhibiting products, Central has you covered.



Anuew EZ (Liquid Formulation)

FEATURES: -

Active Ingredient: Prohexadione Calcium

- » More active and longer lasting on cool-season turf
- » Faster regulation in warm-season turf
- » Helps evenly regulate Poa in mixed stands
- » Improves appearance and playability on greens with bermudagrass mutations
- » Supports seedhead suppression



T-Nex

FEATURES: F

Active Ingredient: Trinexapac-ethyl

- » Reduces the growth of grasses, reducing your time with mowing
- » Mixes with water completely, and it can be used with other pesticides and liquid fertilizers
- » Minimizes the need for edging of turfgrass along sidewalks, curbs, parking lots, driveways, flower beds, fences and around posts, storage sheds and trees



Pac-Low

FEATURES: ⊢

Active Ingredient: Paclobutrazol

- » Systemic plant growth regulator that prevents non-residential turf-grass from growing for 6-8 weeks after applying the product
- » Suppression of poa annua by reducing its growth and competitiveness
- » Improves the performance of fertilizer that is applied for up to 12 weeks, reduces scalping. Even controls the development of some grasses after prolonged use







27 PLANT GROWTH REGULATORS PLANT GROWTH REGULATORS



OUALI-PRO









PREMIUM FERTILIZERS



HUDSON VALLEY

JACKPOT

15-15-5 W/40% SRN

6 SOURCES OF

Jackpot Flex 7-0-5

Our All-Purpose Organic-Based Fertilizer is specially formulated for summer turf applications, topdressing, and for tree, shrub and ornamental treatments. Provides disease suppression and curative properties on most turf and landscape varieties.



- » Biologically active Carbon based fertilizer that is rich in mineral, plant growth hormone and organic
- » Contains Ammonium Sulfate for quick green up, Sulfate of Potash with a low salt index and 6% Sulfur to promote disease resistance





Jackpot 17-0-4

- » Systematically meters 5 sources of nitrogen for 90 days
- » Intense/fast green up
- » Apply to any turf type, any time of year
- » Reduces surge growth & disease resistance

Available with these combinations:

- » .37% Prodiamine
- » Dimension
- » Imida-Lambda
- » Mallet





#1 SELLING FORMULA



Jackpot Starter 15-15-5

Seed insurance! Jackpot Seed Starter is formulated with six sources of nitrogen and three sources of phosphorous for optimal seed germination and new root development





- » Potassium to provide complete nutrition for established turf
- » Extend phosphorous availability and help to reduce surge growth & disease pressure





Jackpot Breakout 21-0-5

- » Formulated to provide a rapid, intense color response in cool temperatures, early spring, and late fall
- » Excellent results in turf requiring higher rates of Nitrogen, i.e., Bermudagrass
- » Five sources of Nitrogen, 3% Iron, organic matter, and CPU for extended release and healthy deep green turf







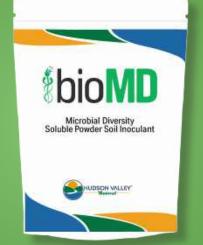
BioMD Soluble Microbial Soil Inoculant

Combination of beneficial microbial strains, viable organic microbial food sources, essential enzymes, biomass activators and natural soil penetrators for hyper-rapid biomass animation.

- » No Refrigeration Required
- » Reduces Shipping Costs
- » Raises BRIX Levels for healthier, more resistant turf & plants







29 PREMIUM FERTILIZERS: HUDSON VALLEY NATURAL



Country Club MD

Country Club® is LebanonTurf's flagship homogeneous and blended line for golf course superintendents and turf management professionals.

Country Club combines traditional high-WIN products with both next-generation MD (Maximum Dispersion) technology and trusted Composite Technology® granulation process.



Greens Grade (SGN 80)

- » 18-3-18 78% Meth-Ex Fe, Mg, Mn
- » 14-7-14 70% Meth-Ex Fe, Mg, Mn
- » 12-0-24 65% Meth-Ex Fe, Mg, Mn
- » 17-0-17 50% Meth-Ex Fe, Mn
- » 0-0-25 SOP Fe, Mg, Mn
- » Root Reviver 3-3-4 (SGN 100)



Fairway/Tee/Rough Grade

- » 17-0-17 100% Meth-Ex 100% Expo
- 30-0-10 50% MESA SOP Fe
- 40-0-0 100% Meth-Ex

Ask your Sales Rep for information on the complete line of Lebanon Fertilizers including those impregnated with Herbicides and Insecticides













Leverage our Suppliers to customize your Turf Fertility Program. Speak to your Central Rep for more informaton about Greens Grades, Fairway **Grades, Rough Grades & Solubles.**

IQUID NUTRITION



Supreme Green 12-0-0 FEATURES: ⊢

BRANDT

» Contains 12% liquid nitrogen and a micronutrient package. Improves turf vigor. Nitrogen promotes consistent turfgrass shoot growth. Compatible with most fertilizers.



Gary's Green FEATURES: -



- » Proprietary formulation provides fast nitrogen uptake; N promotes consistent turfgrass shoot growth
- » Phosphorus plays a role in plant metabolic processes that transfer energy throughout the plant
- » Potassium regulates primary physiological processes that impact turf response to stress and supports cellular processes that impact photosynthesis, water regulation, respiration and protein production
- » Recommended for golf and sports turf



Converge SRN 18-3-6

BRANDT

FEATURES: -

- » Nitamin is applied directly to the leaf surface for rapid absorption and green-up
- » Low salt index and low levels of ammonia and biuret, it is a safe fertilizer solution
- » Due to its high N concentration, it stays soluble longer delivering enhanced foliar uptake over an extended period of time
- » Compatible with a wide range of micronutrients and plant protection chemicals



P-K Plus FEATURES: -



- » Phosphorus plays a role in plant metabolic processes that transfer energy throughout the plant
- » Potassium regulates primary physiological processes that impact turf response to stress and supports cellular processes that impact photosynthesis, water regulation, respiration and protein production.



Converge SRN 30-0-0

BRANDT



- » Nitamin is applied directly to the leaf surface for rapid absorption and green-up
- » Low salt index and low levels of ammonia and biuret, it is a safe fertilizer solution
- » Due to its high N concentration, it stays soluble longer delivering enhanced foliar uptake over an extended period of time
- » Compatible with a wide range of micronutrients and plant protection chemicals



Sili-Kal B FEATURES: -



- » Calcium is important for cell wall strength
- » Potassium regulates primary physical processes that impact turf response to stress and supports cellular processes that impact photosynthesis, water regulation, respiration and protein production
- » Contains silicon dioxide (SiO2); silicon improves plant strength



Manni-Plex Ultra Turf FEATURES: ⊢

BRANDT

- » Quickly supplies readily available N, Mg, B, Cu, Fe, Mn and Mo to turf and plants
- » Proprietary formulation coats leaves and sticks to the surface, making nutrients available longer. Ready-to-use liquid formulation
- » Compatible with most fungicides, insecticides and PGR's
- » May applied using ground equipment, through fertigation or as a soil drench



Ultraplex

FEATURES: ⊢



- » An effective, non-ionic organic surfactant.
- » Nitrogen promotes consistent turfgrass shoot growth. Potassium regulates primary physiological processes that impact turf response to stress and supports cellular processes that impact photosynthesis, water regulation, respiration and protein production
- » Non-ionic surfactant (Yucca schidigera) reduces water surface tension to improve foliar application wetting and absorption

LIQUID NUTRITION 34 -— 33 LIQUID NUTRITION

WETTING AGENTS AND PELLETS



H20 Maximizer Wetting Agent FEATURES: -

Inderhill

Nonionic Soil Surfactant, Polymer Resin Blend

- » Soil surfactant and polymer resin blend
- » Tank mixed for spray application or injected directly into irrigation flow
- » Surfactant ingredients provide initial soil wetting action while polymer resin adsorbs to soil particles for enhanced water retention
- » Reduced watering requirements achieved for greater water holding capacity to guard against plant stress
- » Polymer resin boosts water retention in soil to deliver enhanced residual activity



Tournament Ready Wetting Agent

FEATURES: ⊢

Premium Performance Nonionic Soil Surfactant

- » Uses a blend of three surfactant ingredients to provide flexibility in use as a preventative and curative treatment
- » Delivers rapid wetting of repellent soils, drives down surface moisture to avoid spongy turf
- » Delivers moderate residual for rewetting up to 14 weeks from initial application
- » Tournament-Ready will eliminate localized dry spot, provide more uniform wetting action, and enhance water's infiltration and drainage



H20 Maximizer Pellets FEATURES: -

Inderhill

Inderhill

Hold More Plant Available Water W/ H2o Maximizer Pellets

- » Increase irrigation and rain efficiency by enhancing plant available water
- » Improve water infiltration and water holding capacity of soil
- » Remains active in the soil for 4-6 weeks, then bio-degrades into natural materials
- » Polymer resin delivers increased plant available water



Tournament Ready Pellets

FEATURES: -

Inderhill

Proven Tournament-Ready Formula In Solid Pellet Form

- » Treat small turf areas while hand watering using Underhill PelletPro applicator
- » Inert binder is carrier for metered hand watering application
- » Tournament-Ready Pellets help cool canopy temperatures of turfgrass during high
- » Pellet jar can be inserted in pellet applicator reservoir to modulate soil surfactant output



Topcoat

FEATURES: ⊢

- » A soil wetting agent designed for direct spray-on application to highly managed turf and/or specialty crops.
- » Useful for managing difficult-to-wet soil environments such as areas of high traffic/ compaction, steep slopes, and/or hydrophobic soils such as those associated with localized dry spot (LDS).
- » 1-2 applications per season at standard rates can typically deliver adequate performance for most problematic soil conditions.











LEARN MORE ABOUT SPECIALTY PRODUCTS









 35 WETTING AGENTS AND PELLETS SPECIALTY PRODUCTS 36

SPECIALTY PRODUCTS



Hunter*



Centralus™ BETA

The mobile-friendly Centralus irrigation management platform — currently available in beta phase — provides highly secure, comprehensive cloud-based control and monitoring features to new or existing ICC2 dial-based controllers and ACC2 controllers. The connectivity allows you to view a controller's status, change settings, view forecasts, save water, and receive instant notification of important system alarms — all without costly and time-consuming travel and site visits.





BaseManager

The mobile-friendly Centralus irrigation management platform — currently available in beta phase — provides highly secure, comprehensive cloud-based control and monitoring features to new or existing ICC2 dial-based controllers and ACC2 controllers. The connectivity allows you to view a controller's status, change settings, view forecasts, save water, and receive instant notification of important system alarms — all without costly and time-consuming travel and site visits.





Bes-Tex Athletic Field Marking Chalk (50 lb.)





Seymour Field Marking Paint (5 Gallon)





Seymour Field Marking Spray (18 oz.)

SEYMOUR



Krylon Field Marking Spray (17 oz.)



P

SPORTS FIELD CONDITIONING PRODUCTS



Pro's Choice Infield Conditioner



Pro's Choice Packing Clay



Pro's Choice Drying Agent

— 37 SPECIALTY PRODUCTS 38



DRAINAGE PRODUCTS

A full range of drainage solutions to keep excessive water from damaging your course.

WRAP	3"	4"	5"	6"	8"*	10"	12"	15"
1	155	135	90'	75	65	80'	70"	65
2	195	145'	125'	110	95'	115'	110"	115
3	200	190	165'	155	145	150	150"	
4	260	215	200"	185	175	185		
5	300	285	250"	225	220			
6	330	295	280"	250				
7	370	350	330"	300				
В	410	430"	360"					
9	450	460"						
10	490	495						
11	520							
12	550							
13	570							
TOTAL ENGTH	4800'	3000'	1800'	1300'	700'	530'	330'	180



Pro Series Channel Drain/Radius Coupling

» Lightweight channel drain system with easy interlocking connections.



Smooth-Corr Fittings

» Available in multiple sizes and configurations

FRATCO



* 480' Maxi Single-Wall Footage is 4 wrops, 305' maxi coil is 3 wrops.

Grates

» Available in multiple sizes, materials, and rise heights

SMOOTH CORR | DUAL-WALL | POLYETHYLENE PIPE

4"	6"	8"	10"	12"	15"	18"	24"	30"	36"	42"	48"
					• •	• •		•			
							• •	•			
.59	.98	1.41	2.53	3.19	4.74	6.49	10.68	14.39	18.54	27.32	30.97
6' 10' 20'	20'	20'	9.75' 20'	9.75° 20'	9.75' 20'	9.75' 20'	9.6° 20°	14' 20'	14' 20'	14' 20'	14' 20'
10	13	13	10	7	7	7					
86	33	27	11	8							
	.59 6' 10' 20'	.59 .98 6' 20' 10' 20'	.59 .98 1.41 6' 20' 20' 10' 20' 10 13 13			59 .98 1.41 2.53 3.19 4.74 6' 20' 20' 9.75' 9.75' 9.75' 10' 20' 20' 20' 20' 10 13 13 10 7 7	6' 20' 20' 9.75' 9.75' 9.75' 9.75' 10' 20' 20' 20' 20' 20' 20' 20' 10 13 13 10 7 7 7		59 .98 1.41 2.53 3.19 4.74 6.49 10.68 14.39 6' 20' 20' 9.75' 9.75' 9.75' 9.75' 9.6' 14' 10' 20' 20' 20' 20' 20' 20' 20' 20' 10 13 13 10 7 7 7	59 .98 1.41 2.53 3.19 4.74 6.49 10.68 14.39 18.54 6' 20' 20' 9.75' 9.75' 9.75' 9.75' 9.6' 14' 14' 10' 20' 20' 20' 20' 20' 20' 20' 20' 20' 10 13 13 10 7 7 7	59 .98 1.41 2.53 3.19 4.74 6.49 10.68 14.39 18.54 27.32 6' 20' 20' 20' 20' 20' 20' 20' 20' 20' 20

V Series
 R Series

FRATCO

LEARN MORE ABOUT DRAINAGE









DRAINAGE BASINS





- Grates available in plastic, brass, steel, or cast iron.
- Various sizes ranging from 6" to 24" square
- Use Universal Adapters to connect to 3" 12" drain pipes
- Catch basins include sump area that collects debris to prevent clogging of drain pipe
- Bottom outlet option

• 39 DRAINAGE DRAINAGE 40

TTS-800 SERIES



Hunter°









	TTS-880	TTS-884	TTS-885	TTS-835				
	FEATURES							
ACME Threaded Inlet Size	1 1/2"	1 1/2"	1 1/2"	1 1/2"				
Radius (ft.)	49'-97'	49'-97'	37'-94'	18'-50'				
Flow Rate (GPM)	14.2-58.5	14.2-58.5	8.9-59.6	1.9-12.8				
Recommended Pressure Range (PSI)	50-100	50-100	50-100	40-65				
Precipitation Rate (in/hr, 360*)	0.53-0.69	0.53-0.69	0.46-0.75	0.44-0.69				
Nozzle Trajectory	22.5° & 15°	22.5° & 15°	22.5° & 15°	Multiple				
Check Height (ft., C.O.M. Models)	25′	25′	25′	25′				
Nozzle Options	19	19	21	8				
Component Exchange Warranty	3 Years	3 Years	3 Years	3 Years				
Component Exchange Warranty with Matching HSJ Swing Joint Purchase	5 Years	5 Years	5 Years	5 Years				

GOLF ROTORS

YOUR BUSINESS RUNS ON EFFICIENCY YOUR EQUIPMENT SHOULD TOO

Hunter's patented TTS technology allows for every serviceable element of the rotor to be accessed through the top. Mechanical and electrical, big and small, you can get to every component without disturbing the playing surface. That means there's no more digging, no more unsightly scars, and more importantly, one less item on a busy superintendent's schedule.

LEARN MORE ABOUT GOLF ROTORS

Hunter®

Hunter Industries is a family-owned global company that provides high quality, efficient solutions for the irrigation, outdoor lighting, and custom molding industries. Our diverse array of products can be seen everywhere from residential landscapes, to stadiums, national landmarks, theme parks, city parks, commercial complexes, hotels, and municipal buildings around the world.

41 GOLF ROTORS GOLF ROTORS 4

Hunter









	TTS-880	TTS-884	TTS-885	TTS-835
Exclusive PressurePort TM Nozzle Technology				
Part and Full-Circle in One Model				
Full-Circle Opposing Nozzles				
Yardage Marker Capable		Ø		
Check-O-Matic Models		⊘		
Electric Valve-in-Head Models				
DIH Decoder-in-Head Models		⊘		
TTS Total Top Serviceability				



GOLF ROTOR ACCESSOREIS

A full range of convenient service tools and auxiliary items for irrigation systems that save time and make jobs easier.





Hunter

382800SP Arc Adjustment/Riser Hold-up Tool



Hunter

803700 Nozzle Removal/ Installation Tool



Hunter[®]

604000SP

Valve Insertion/ Removal Tool -G800 Series



Hunter

280500SP Valve Insertion/

Removal Tool -G900/G90 Series



Hunter

475600SP

Valve & Snap Ring Insertion/Removal Pliers - G800 Series



Hunter^{*}

251000SP

Snap Ring Removal Tool



Hunter

319100SP "T" Handle Tool



Hunter

172000SP **Hunter Wrench**



Hunter

460302SP Hand Pump



Hunter[®]

280100 Rotor Pitot Gauge and Tube Assembly

ACME ADAPTER FITTINGS

Hunter's ACME Bushing Adapters are available in a variety of sizes and configurations to fit your needs.

Choose Acme x NPT or Acme x BSP models to retrofit/adapt existing swing joints with standard threaded outlets to the Acme inlet threads used on Hunter rotors. Choose Acme x Acme models to convert the outlet sizing of existing Acme swing joints to fit your new Hunter golf rotors.

RUBBER COVER KITS

Hunter Rubber Cover Kits provide a cushioned, nonslip surface for the exposed surface of the rotor. They are molded to seamlessly wrap the

exposed area of the rotor without obstructing irrigation.

987200SP: TTS-800 low-bounce rubber cover kit 987100SP: TTS-800 no-bounce rubber cover kit **473900SP:** G995 (G990 date codes 07/11 & after) **473800**: G990 (date codes 06/11 & prior only)







1", 11/4", 11/2" Available sizes

Hunter[®]

- 43 GOLF ROTORS GOLF ROTOR ACCESSORIES 44

GOLF CONTROL SYSTEMS **ADVANCED CONTROL SIMPLIFIED BY INNOVATION Hunter offers comprehensive golf** irrigation solutions designed to simplify watering while ensuring healthy, playable courses. Pilot **Command Center Software, Pilot** Integrated Hub System, and the **Pilot Field Controller System were** all designed for the fastest, most efficient ways to program and control irrigation.

LEARN MORE ABOUT CONTROL SYSTEMS

Meet your new must-haves in modern irrigation technology and efficiency. **33**

The Pilot Command Center Software
The Pilot Integrated Hub System
The Pilot Field Controller System

HUNTER PILOT COMMAND CENTER SOFTWARE (CCS)



Pilot Command Center software (CCS) is easy to use and has all the features you need to reliably and automatically water your course. Run times can be adjusted manually or determined automatically using ET. You create watering plans directly in the Command Center. A powerful irrigation planning tool that shows you every sprinkler on the course organized according to your management style.

Hunter°

The **HUNTER Pilot Command Center** organizes **all the information** you need for daily operations in one place.

- **» WATERING STRATEGY**
- » WATER & WAIT
- » HYDRAULIC MODEL
- » WATERING WINDOW
- » ET-BASED SCHEDULING
- » SYSTEM LIFE
- » **REPORTS**
- **» OPERATING SYSTEMS**
- » CONTROLLER PROGRAMS

ADVANCED FEATURES:

- » MAPPING
- » WATER PLANNING
- » HYDRAULIC & ELECTRICAL PLANNING

45 GOLF CONTROL SYSTEMS 4



ADVANCED FEATURES:

- » WATER RESISTANT KEYPAD
- » DIAGNOSTIC LED INDICATORS
- » 250 STATION OUTPUT MODULE

Integrated hub systems are one of the fastest-growing forms of technology in irrigation control. A key advantage over field controller systems is that integrated hub systems use significantly less wire. This means lower costs, faster installation, and easier system diagnosis and repair if needed. Systems can be easily expanded — with minimal digging and disruption of landscaping — by adding more two-way modules (TWMs) instead of running additional wires.

FEATURES:

- » Two-way modules are available with 1-, 2-, 4-, and 6- station outputs, making it possible to run each head on an entire green with a single device
- » Built-in surge suppression, color-coded wire connections
- » True independent station control, programmable station addresses, and two-way feedback to the hub with confirmation and status indication

HUNTER PILOT FIELD CONTROL SYSTEM



ADVANCED FEATURES:

- » WATER RESISTANT KEYPAD
- » DIAGNOSTIC LED INDICATORS
- » EASY TO SERVICE
- » MODULAR 10-STATION EXPANSION BOARDS
- » SPACIOUS WIRING AREA

The Pilot field controller manages up to 80 stations in 10-station increments. The full-featured controller has everything you need in a stand-alone field controller.

FEATURES:

- » Five Languages
- » Up to 80 station outputs in 10-station increments
- » Up to three Hunter golf valve-in-head rotors per station output
- » Up to 20 simultaneous Hunter golf valve-in-head rotors active per controller
- » 32 automatic schedules with eight start times per schedule
- » Exclusive Safe-Toggle™ mechanical on-off-auto station switches
- » 1-31 day skip-day scheduling
- » One-touch rain shutdown up to 30 days or indefinitely
- » One-touch Safe-Pause™ with 30-minute safety timer
- » 1-300% run time seasonal adjustment
- » Seasonal start time adjustment is used to quickly change all start times plus or minus 30 minutes



LEARN MORE ABOUT PUMP STATIONS







47 GOLF CONTROL SYSTEMS GOLF PUMP STATIONS

Vertical Turbine (VT) Pump Station

Watertronics Vertical Turbine Pumping Systems are engineered and built specifically for each customer and can meet virtually any flow and pressure requirements.







Horizontal Centrifugal (HC) Pump Station

Watertronics Horizontal Centrifugal Pumping Systems (HC) are versatile and reliable and have become the backbone of irrigation within the Sports Turf and Golf Course markets.





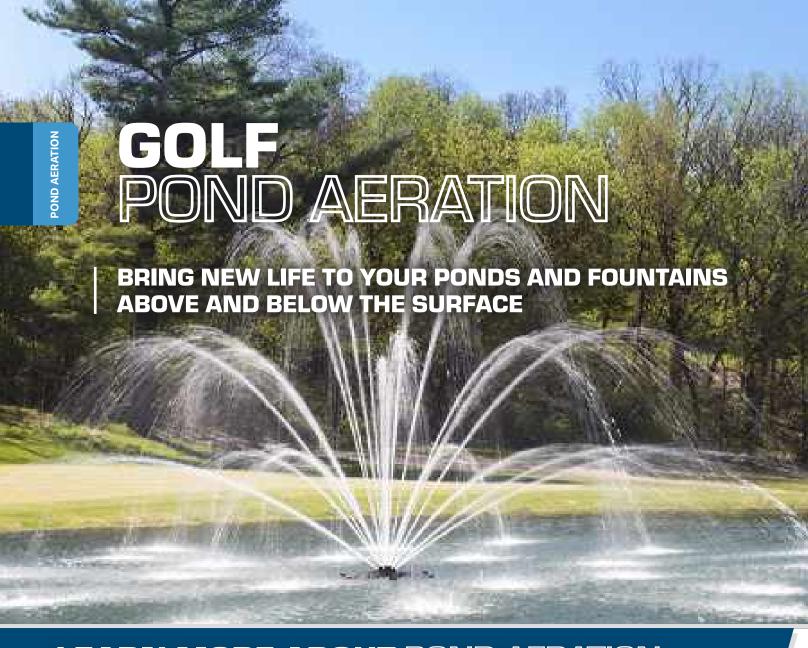


VERTICAL TURBINE PUMP STATION

The Vertical Turbine Pump station is a good choice for surface water applications. It can produce high flows (3,000+gpm) and high pressures (150+psi) and has a long life and lower long-term maintenance costs. The pumps never need priming and it has excellent energy efficiency. It can be built with a self-cleaning filter option. Most sizes can be easily enclosed, eliminating the need for a pump house.

HORIZONTAL CENTRIFUGAL PUMP STATION

The Horizontal Centrifugal station is a good choice for high-flow booster applications such as large parks or golf courses. It has the lowest cost option for surface water applications. This station can be outfitted with automatic an priming system for suction lift applications. It has lower maintenance costs than a turbine system and can be built with a self-cleaning filter option. Most sizes can be easily enclosed, eliminating the need for a pump house.



LEARN MORE ABOUT POND AERATION

LARGE DISPLAY AERATING FOUNTAINS













5' Tall x 15' Wide

SMALLER FOUNTAIN AERATORS

3400VFX 6' Tall x 21' Wide

8' Tall x 26' Wide







5.1 & 5.3VFX 8' Tall x 32' Wide 9' Tall x 34' Wide

POND AERATION

DIFFUSED AERATION SYSTEMS



Otterbine Air Flo 3

- » Subsurface aerator with no parts of the system visible on the
- » Backed by an all-inclusive 3-year comprehensive warranty, a 5-year warranty on the diffuser(s), a 5-year Warranty on the cabinet, and a 15-year warranty on the tubing.





Kasco Diffused Air Systems

- » Kasco is a world-leading manufacturer of decorative and aerating fountains, surface and diffused aeration systems, municipal products, circulators, de-icers, and beneficial
- » Common applications include residential ponds and lakes, water treatment plants, retention ponds, docks, marinas, fish farms, and more.



CIRCULATORS



All-In-One Fountain & Circulator Series

- » The Fractional Series Aerating Fountain and Mixer all-in-one system allow you to easily convert between any of the five configurations that come standard in just minutes;
- » This light weight, versatile, turn-key unit can easily be handled by one person and moves an impressive 500 GPM (115m3/hr)
- » Supported by an all-inclusive 3-year warranty.





Kasco Circulators

- » Efficient / Low Power Use: Highest efficiency design for low power consumption versus competing units. Reduces operating costs over the entire life of the unit.
- » Rugged Motor: Environmentally friendly design with a hard-face internal mechanical seal and external lip seal for protection against leaks.
- » Corrosion Resistant: Superior dependability in salt-water or other corrosive environments. All external metal motor, float, and hardware components are of stainless steel composition and protected by a sacrificial zinc anode.
- » Battery powered model also available for distributing pond water treatments.





Brandt Blue Lagoon SS

FEATURES: -

» BRANDT's flagship aquatic colorant provides a nice, even shade of blue throughout the body of water. It is a bird blocker formulation designed to darken water sufficiently to protect against fish poaching in aquaculture environments.



Brandt Loch Ness SS

BRANDT

BRANDT

FEATURES: -

» BRANDT's famous black formulation has a rich, dark and clean appearance in water. Designed for shallow, muddy ponds and lakes and creates a mirror effect.



Brandt T.A.C. Algaecide

BRANDT FEATURES: -

» Proprietary copper sulfate algaecide/bactericide. Provides quick and effective knock down in lakes, ponds, reservoirs, canals, lagoons and other water systems. Helps suppress odors and gases.

POND DYES & ALGAECIDES 52 51 POND AERATION

TEMPO

PE2003-G Pulser Fault Locator FEATURES: ⊢

- » Identifies the exact location of even the smallest breaks in buried wire and cable insulation by "pulsing" a high-voltage signal that radiates into the ground at the location of the faults
- » With the A-frame mounted receiver, a visual analog meter points the way to the source of the voltage



24BK Irrigation Tester Kit FEATURES: -



- » The upgraded Station Master Pro is a portable, battery-operated irrigation system diagnostic tester combining solenoid activation and wire identification.
- » The LEDs are easy to understand & indicates if sufficient voltage is supplied by the controller and the condition of the solenoid
- » In chatter mode the Station Master Pro will turn the solenoid on and off, about once per second, to aid in locating a valve by ear
- » Provides tone generation to identify wires which can be traced with any TEMPO amplifier probe



521A™ Wire and Valve Locator

FEATURES: ⊢



- » A universal troubleshooting and maintenance tool for electrically controlled sprinkler irrigation systems
- » Easily locate underground wires and valves, including wire path and depth.
- » The 521A can also pinpoint underground wire breaks, large nicks, and solenoid valves. The high-power, adjustable transmitter offers an extended range and allows the user to select the best signal for maximum performance.





equipment.



GOLFTOOL

WE'VE GOT YOU COVERED WITH THE TOOLS AND EQUIPMENT YOU NEED.

If you are looking to purchase new, more efficient equipment Central has what you need! From locators, to spreaders, sprayers, and hand-tools we are your on-stop-shop for lawn care









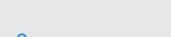




Pro95i™ True RMS Irrigation Milliamp Clamp Multimeter

FEATURES:

to select a range of values to be sensitive to.



» The ultimate milliamp clamp meter for 2-wire irrigation system troubleshooting and diagnostics. The Pro95i™ is that meter. The Pro95i™ features True RMS technology, making it more accurate than how most meters are averaging. The Pro95™ is also extremely fine in its resolution and is able to measure to 1/1000th of a milliamp. We've added a high resistance capability, with resistance measurements up to 600kOhms. For convenience, the Pro95i™ is auto-ranging, so a user doesn't need to guess at what level



— 53 GOLF TOOLS & EQUIPMENT **GOLF TOOLS & EQUIPMENT**



Rear Handle Chainsaw

FEATURES: ⊢

»40 V

»Sound level 106 dB(A)





Chainsaw

FEATURES: -

»16, 18, or 20 inch bar length options

»11.7 lbs total weight





Leaf Blower

FEATURES: ⊢

»40 V

»Up to 17 N blowing force





Frame Throttle Backpack Blower FEATURES: -

» 1,000 cfm

» 47 N blowing force

» Left hand throttle





24 IN Hedge Trimmer

FEATURES: -

»40 V

»4,000 cut/mincutting speed





Double Sided Hedge Trimmer

FEATURES: -

» 24 inch knife length

» 11.2 lbs total weight





String Trimmer

FEATURES: ⊢

» 18.1 in cutting width

» 10,500 rpm max power speed





String Trimmer FEATURES: ⊢

» 19.3 inch cutting width

» 1.34 horsepower output

尚Husqvarna

■ 55 HUSQVARNA BATTERY EQUIPMENT

Hudson Valley Natural Spreader FEATURES: -



High-Capacity Commercial Spreader

- » Available in Stainless Steel or Black Epoxy Paint finish options
- » 1.3 Cu. Ft. hopper capacity
- » Push with ease
- » Lubricant encased in large gearbox



Hudson Valley Natural Sprayers FEATURES: -



- » Increase on-the-job efficiency
- » Built to perform for more than 1 million spray cycles
- » No leak design



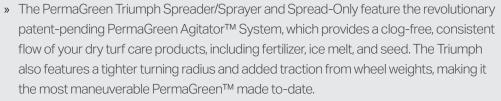


Flowzone Sprayers

FEATURES: ⊢

- » Rechargeable 18V/5.2A-h Li-lon battery
- » Pressure range of 8 psi up to 115 psi
- » ComfortStraps backpack system
- » Pressure washer style spray gun with quick-connect attachments
- » Black UV-resistant hose
- » 30 foot spray distance up to 3 hour spray time

Permagreen Ride-On Sprayer/Spreader FEATURES: ⊢



» The PermaGreen Agitator™ System also works wonders for any PermaGreen Magnum, Triumph or 3-Hole LESCO® spreader (order part #T422400).

Replacement Parts

MOWER BLADES, EDGER BLADES, AIR & GAS FILTERS, OIL & MORE

Turfware Spreader FEATURES:

For all common brands, including:

- »Jacobsen
- »Exmark
- »John Deere »Ariens

TOOLS & EQUIPMENT

» Grasshopper »Toro





Wire & Edging **Trencher Shovel** AS90400

Drain Spade Closed Back SS62010

#2 Square **Point Shovel Closed Back** SS 61000

high volume application

#2 Round **Point Shovel Closed Back SS 60000**

SEASON AFTER SEASON

» Features hinged plate for conversion from fertilizer spreading to

» It is designed for the application of seed mulch, topdressings sand,

» Positive on/off system, factory calibrated, self-lubricating GS gears

ice melt, limestone, or other high-rate products

» Stainless Steel axle, frame, handle and fasteners » 13" turf tread pneumatic tires, rustproof rims

» Nylon 6/6 wheel and axle bearings w/grease fittings

#10 Scoop **Aluminum Shovel** SS 68010

Trench Digging 3 in. Shovel SS 64333















57 GOLF TOOLS & EQUIPMENT GOLF TOOLS & EQUIPMENT 58







RK24003

24" Spring Brace Rake







Soil Profiler 8" x 4" Sampler





PowerTRIM Pro Series





UT69000

3-in-1 Operating Wrench





36" Level Lawn Greens Keeper





Soil Probe

A full range of convenient service tools and auxiliary items that save time and make jobs easier are available.



Underhill UltraMAX Premium Plus Series

Underhill'



Underhill Hose Caddie

Inderhill'



Underhill Hose Trailer

Inderhill



Underhill High Flow Shut Off Valves

Underhill



Underhill UltraMAX Hose

Underhill



Underhill Drainblaster

Underhill*



Underhill Hose Taps

Inderhill



Underhill Pellet Pro Applicator

Inderhill



Underhill Easy Reach Keys

Available in two configurations to make sure you're always equipped to service Toro & Rain Bird Products. Featuring color coded handles to quickly determine the needed key shape.



GOLF TOOLS & EQUIPMENT 60 -



LEARN MORE ABOUT OUTDOOR LIVING



















61 OUTDOOR LIVING







OUTDOOR LIGHTING

PATH, UP, & WELL LIGHT FIXTURES



FXLuminaire

RS UP LIGHTS

- » Optional long shroud available
- » 2 Finishes available
- » Input Voltage: 10-15V



C-UL

- » Midgrade brass construction
- » Antique bronze finish
- Corrosion resistant design



CPL-7

- Midgrade brass construction
- » Antique bronze finish
- Corrosion resistant design

FXLuminaire

SPECIALTY FIXTURES

ILLUMI-CUP



- » Offers the opportunity for nighttime golf on any putting green
- » The perfect solution to brightly illuminate a flag and standard size golf cup
- » Features a water resistant quickconnection for easier installation and servicing, without disturbing the putting
- » Long-life, low energy consumption LEDs will provide years of use on the course.



UNIQUE LIGHTING SYSTEMS®



Integral Pavelux

- » Available in 4", 6" and 8"
- » Energy efficient (12v) LED

PAVER INTEGRATION

» Completely encapsulated circuitry



Inlite Hyve

- » 12 V, round fixture with stainless steel ring
- » Illuminate edges of driveway, walkway or deck
- » Drive-over capable



WAC Under Cap Lights

- » Lumens: 50lm, Rated Life: 50000 Hours
- » Adjust from 2 to 5 watts
- » Corrosion resistant aluminum alloy
- » Factory-sealed water tight fixture



▶ BISTRO LIGHTS



- » Revolutionize your patio lighting with affordable & appealing decorative lighting.
- » Easy to install Bistro Lights provide beautiful lighting while also enhancing your outdoor living space.

OUTDOOR LIGHTING 62 -

WIRELESS CONTROL

Central offers the products you need to differentiate yourself from the competition. With the ability to easily and efficiently control zoning, dimming, color changing, and Wifi features, investing in a quality lighting controller can bring your space to life at night.

LUXOR CONTROLLER

- » Zone control for up to 250 individual lighting groups
- » Color control create 30,000 colors per zone
- » Scene/Theme creation: Up to 40 custom lighting themes
- » Wireless control with an optional and Android app



FXLuminaire.

INDOOR & OUTDOOR AUDIO

Take your events & venue spaces to the next level. Outdoor speakers are the perfect addition around the club house, restaurant, parking lot and other common areas.



INDOOR AUDIO

VSSL OP A1X



- » Audio streaming system. Single zone, 50W
- » 2 speakers and connected amplifier
- » Chromecast built-in, Spotify, Airplay 2 works with Google Assistant and Siri, Alexa Cast, and other Alexa enabled devices



OUTDOOR AUDIO

TRUAUDIO

ULTRAPRO-T 100 +A.1X

- » VSSL X Series, single zone, 50W, w/Chromecast built-in, Airplay 2, and Spotify Connect
- » T100: 2-Channel, 100W per Channel Power Amplifier. Incl. IR receiver
- » (4) 4.5" Outdoor landscape speakers
- » (1) ULTRAPRO 10" Burial Subwoofer

FIRE PITS, FIRE PLACES, PAVERS & WALL SYSTEMS

With our one-stop shopping approach, and fully stocked warehouses, you are able to enhance all your outdoor living areas while staying on budget and on time.

FIRE PLACES AND FIRE PITS

- » Everything is pre-cut and ready for assembly
- » Multiple color options and configurations
- » Packages include dimensions, material lists, and contractor drawings

Sample Colors:







Ovster Blend





Travertina





Blue Stone

PAVERS AND WALL SYSTEMS

Regardless of the space and application need, we have a paver solution. Focused on quality and performance, we offer a wide variety of colors, patterns, sizes and textures to handle the project and enhance your customers' outdoor spaces. We carry pavers that will not expose heavy aggregate as they wear. The ultradense surface has more color and more protection, ensuring a lifetime of beauty with minimal maintenance. We also offer a variety of wall systems for any project: landscape walls, retaining walls, and garden walls.

Sample Colors:















HARDSCAPE ACCESSORIES

SEALERS

- » Extend paver life
- » Easy to apply
- » Protect paver appearance from water intrusion, deicing chemicals, and freeze/thaw exposure

PAVER WASH



- » Opens surface pores for optimal bond with sealer
- Restores original paver color
- » Use on Concrete/Clay Pavers

RUST ELIMINATOR



- » Removes rust and hard water stains
- » Rinses clean with water
- Use on Pavers/ Concrete/Clay/ Brick/Granite/ Bluestone

FIRE PITS, FIRE PLACES, PAVERS & WALL SYSTEMS 64 -— 63 LIGHTING & OUTDOOR AUDIO



PARTNER

ENSURE YOU CAPTURE **EVERY OPPORTUNITY**

COMMERCIAL



INDUSTRY LEADING

REWARDS **PROGRAM**



Professional support for projects of all sizes, from bidding through closeout using the latest software and training.

LARGE SCALE PROJECT SUPPORT

Knowledge you can depend on.

Large projects require specialized coordination of information, materials, and services. Our highly experienced team offers smart solutions to meet your complex project needs.

Take advantage of our value-added services that include:

- » Project Leads
- » Professional Irrigation/Bid Designs
- » Take-Offs/Quotes

- » As-Builts
- » Submittals and more

UTILIZE OUR CUSTOMER PORTAL

- » 24/7 Customer Access
- » Easy Project Submission
- » Faster Project Turn-Around
- » Project Tracking

- » Simple User Interface
- Mobile Enabled
- » Submittals and more

CENTRAL OFFERS THE MOST FLEXIBLE AND **REWARDING LOYALTY PROGRAM TO THEIR** CUSTOMERS.

Earn points with all of your purchases: irrigation, lighting, turf and equipment products. Points can be redeemed toward your choice of rewards.

\$1 = 1

\$ Purchased equals point

EASY TO DOUBLE

Ask about opportunities to double points

EASY TO EARN

\$100 in purchases equal 100 Points

EASY TO REDEEM

5,000 points equals \$50 gift card

65 COMMERCIAL SERVICES CENTRAL REWARDS PROGRAM

BENEFITS

OF THE CENTRAL REWARDS PROGRAM

Access to resources to drive your success ◆ **Automatically enrolled** in the program





Resources and discounts to save money with companies like ADP, UniFirst, UPS, Office Depot, Constant Contact, Ace Hardware, and Penske.





Communications, website audits, & graphic design support. Our team has decades of experience to help you identify and implement initiatives that deliver results.





GIVING BACK

Use your Central rewards points to give back to meaningful charities and those in need.



GIFT CARDS

Pre-paid gift cards from AMEX, Visa, Mastercard, Dick's Sporting Goods, Best Buy, Bass Pro Shops, and more!



EQUIPMENT

Maximize productivity by using points for new equipment. Industry leading brands such as Toro, Rotair, PermaGreen, TurfWare, and others.



ACCOUNT CREDIT

Turn your spending into additional credit on future account purchases at Central Turf & Irrigation Supply.



Relax and getaway!

Enjoy amazing vacation destinations with our Annual Contractor Loyalty Trip.



ELECTRONICS

Use your rewards points to get the newest iPhone, Mac Pro, Apple Watch, and more.



SUBJECT MATTER EXPERTS

Access to leading experts for all green industry and business needs.

COMMERCIAL SERVICES



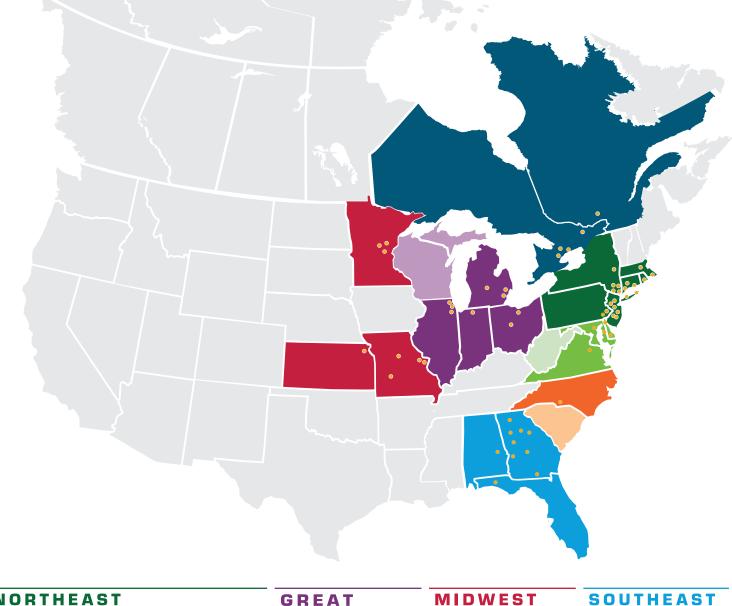
- » Design Services
- » Take-Offs+ Quotes
- » Project Leads
- » As-Builts + Submittals
- Large-Scale Project Support
- » Professional Irrigation + Bid Designs

TRAINING

Licensing and certification exams, plus opportunities

to expand technical skills + knowledge using your points.

60 BRANCHES • 20 STATES • 2 COUNTRIES



NORTHEAST

NEW YORK

Albany Bridgehampton Copiague Elmsford Latham Mamaroneck Mohegan Lake Nanuet

PENNSYLVANIA

Warminster West Chester

RHODE ISLAND Warwick

CONNECTICUT Hartford Norwalk

Stamford

MASSACHUSETTS

Cape Cod North Billerica

NEW JERSEY

Black Horse Hillsborough Lakewood Piscataway Towaco Williamstown

MID

ATLANTIC

VIRGINIA Sterling

MARYLAND

Crofton Frederick

DELAWARE

Delmar Newark

GREAT LAKES

ILLINOIS

Lombard Wauconda Wheeling

INDIANA South Bend

OHIO Cleveland Dublin

MICHIGAN

Commerce Shelby Township Wyoming

MIDWEST

MISSOURI

Columbia Nixa St. Louis St. Peters

MINNESOTA

Coon Rapids Eagan Plymouth

KANSAS Kansas City

NORTH CAROLINA

FLORIDA Freeport CAROLINAS

GEORGIA

Alpharetta

Columbus

Marietta

Norcross

Tyrone

Valdosta

Opelika

ALABAMA

Warner Robins

Buford

Monroe

CANADA

ONTARIO

Carp Mississauga Concord Scarborough

Montreal

QUEBEC

LOCATIONS

ALABAMA

Opelika 🎽 🌢 404 Clanton St. (334) 737-5454

► CONNECTICUT

Hartford ¥ ? 150B Dividend Road (860) 296-4804

Norwalk 1 Seir Hill Rd. (203) 845-0075

Stamford

59 Halloween Blvd. (203) 658-8484

▶ DELAWARE

Delmar

11133 Iron Hill Rd. (302) 907-0283

Newark

9 Albe Dr. - Unit C (302) 731-1075

FLORIDA

Freeport ¥ •

236 Black Creek Lodge Road (850) 880-6355

▶ GEORGIA

Alpharetta 🎽 🌢 📍 3000 Trotters Pkwy.

(770) 674-7166

Buford ¥ • ?

4902 Summer Oak Dr. (770) 831-8800

Columbus ¥ • ?

3151 Williams Rd. - Unit 5 (706) 571-7979

Marietta 🎽 🌢 📍

1519 White Circle NW. (770) 420-3395

Norcross ¥ •

4227 Steve Revnolds Blvd. - Suite170 (770) 638-0055

Tyrone ¥ •

155 Shamrock Industrial Blvd. (770) 487-0044

Valdosta ¥ • ?

3451-B Val Del Road (229) 241-9633

Warner Robins ¥ • ?

106 North Davis Dr. (478) 923-2579

ILLINOIS

Lombard

960 N. Ridge Ave (630) 495-5500

Wauconda

29800 N. US HWY 12 - Unit 3 (847) 526-8940

Wheeling

1125 Wheeling Rd. (847) 947-8401

INDIANA

South Bend

5521 W Cleveland Road (574) 383-5500

KANSAS

Olathe

1260 N. Winchester St. - Unit B (913) 440-9600

MASSACHUSETTS

North Billerica

11 Esquire Rd. - Unit E (781) 376-8000

Cape Cod

48 Warehouse Road (508) 398-9800

MARYLAND

Crofton

2431 Crofton Lane - Unit 9 (443) 292-4531

Frederick

7140 English Muffin Way - Suite 200 (301) 228-2916

► MICHIGAN

Commerce

1985 Rock Rd. (248) 669-9323

Shelby Township

49433 Hayes Rd. (586) 731-5780

Wyoming

2645 28th St. - Suite F (616) 261-2700

MINNESOTA

Coon Rapids

286 Coon Rapids Blvd. (763) 795-8353

Eagan

2797 Eagandale Blvd. (651) 681-9133

Plymouth

9905 13th Ave North (763) 432-0887

MISSOURI

Nixa

1000 Kathryn St. (417) 724-9696

St. Peters

82 Didion Dr. (636) 387-7351

St. Louis

406 Industrial Dr. (314) 994-2131

Columbia

225 N. Rangeline Rd. (573) 449-0755

NEW JERSEY

Lakewood

195 Lehigh Ave (732) 987-5597

Towaco

1 Como Court (973) 335-8404

Hillsborough ¥ ?

330 Roycefield Rd. Building I, Unit 4 (908) 255-4953

Piscataway

429 Bell St. (732) 752-7400

Williamstown ¥ ?

1738 Glassboro Rd. (856) 881-4446

Black Horse

1964 N. Black Horse Pike (856) 740-1447

► NEW YORK

Bridgehampton

269 Butter Ln. - Suite 6 (631) 613-6605

Copiague

20 Marconi Blvd. (631) 249-4696

Elmsford ¥ ?

5 Nepperhan Ave. (914) 347-5166

Latham ¥ ?

838 New Loudon Rd. (518) 608-0099

Mamaroneck

502 Center Ave. (914) 381-5520

Mohegan Lake

2711 Lexington Ave. (914) 743-1818

Nanuet

351 West Route 59 (845) 356-7000

North Carolina

Monroe

4816 Starcrest Dr. (704) 774-1070

► OHIO

Cleveland

4501 Taylor Lane (216) 831-0095

Dublin

6254 Corporate Center Drive (614) 791-0097

▶ PENNSYLVANIA

Warminster

1544 Campus Dr. (215) 675-3555

West Chester

19 Hagerty Blvd. - Unit A (610) 344-9235

▶ RHODE ISLAND

Warwick ¥ ?

129 Chestnut St. (401) 461-4430

► VIRGINIA

Sterling

23711 Overland Drive - Suite 150 (703) 665-2956

IRRIGATION SPECIALIAST GOLF SPECIALIAST **TURF SPECIALIAST**

