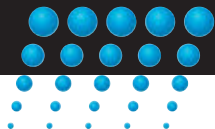


always thinking ahead.



# GET BETTER VALUE

WITH OUR TURF AND AQUATIC MANAGEMENT SOLUTIONS

## **BioGain® WSP® & BioGain WSP + Sprint®**

*Turf Biostimulant and Micronutrient Blend*

- Reduces turf stress
- Stimulates root growth and turf recovery
- Enhances water and nutrient uptake

## **Sprint 330 & Sprint 330 + Mn**

*High-Performance Iron Chelates*

- Strong iron chelates that maintain and protect availability of iron in a wide variety of problem soils
- Promotes healthy, natural green color that lasts

## **Affinity™**

*Nonionic Soil Wetting Agent*

- Corrects conditions associated with water repellent soils, localized dry spot and compacted soils
- Promotes more even and deeper water percolation
- Prevents water run-off

## **RhizInoc™ Plus**

*Turf Mycorrhizae Inoculant 4-2-4*

- Promotes strong, expansive root systems
- Advances root recovery after aeration and other stress-inducing events
- Healthy roots means efficient nutrient and water uptake

## **Black Onyx™ Liquid & WSP**

*Lake Colorant*

- Creates rich, natural, mirror-like appearance in lakes and ponds
- Imparts a mystic beauty to the look of lakes, ponds and other ornamental water features
- Will not harm fish or aquatic waterfowl
- Available in liquid or water-soluble packet formulations

Learn more about Becker Underwood products. See your supplier or visit [www.beckerunderwood.com](http://www.beckerunderwood.com).



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for your chance to

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LAS VEGAS  
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VISIT [www.underhill.us/contest](http://www.underhill.us/contest) for details



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Products that work...smart.™

**INSIDE:**  
How to **SAVE MILLIONS**  
of gallons of water **EVERY YEAR!**

W A T E R I N G   P R O D U C T S   2 0 1 0



|                                |            |
|--------------------------------|------------|
| golf sprinkler nozzles         | page 2-3   |
| testing                        | page 4-5   |
| hose nozzles                   | page 6-7   |
| hose applicators               | page 8-9   |
| hose sprinklers                | page 10    |
| large turf irrigation          | page 11    |
| brass sprinklers & accessories | page 12-13 |
| tools & accessories            | page 14    |
| water hand pumps               | page 15    |



An industry leader in innovative watering products all over the world, Underhill brings over 30 years of know-how in developing our inventory of "Products that work...smart.™"

golf sprinkler nozzles

## Profile™

### SOLID METAL GOLF SPRINKLER NOZZLES

Upgrade your Toro® or Rain Bird® sprinklers with our perfect-fit Profile™ nozzles and you will see improved results immediately. Water distribution so uniform that you can cut back watering times to **save millions** of gallons of water **every year**. Over time, since Profile solid metal nozzles resist wear and clogging, you'll enjoy these superior results for the life of your sprinkler...never needing to change out nozzles again.

Call us to request our **free video** on Profile solid metal golf sprinkler nozzles! Or watch it online at [www.underhill.us](http://www.underhill.us)



- Cut watering times significantly
- No more worn out / clogged plastic nozzles
- Eliminate wet and dry spots
- Improve course playability
- **Stop wasting water**

Test your sprinkler performance with AuditMaster™. Easy-to-use and highly accurate measuring kits.

See Page 4

*"We've had Profile nozzles in for about two years now with outstanding results and excellent water savings. We're way past break-even on ROI."*

*"...consistently uniform distribution. The nozzles perform the same today as when we first installed them."*

**UPGRADE**  
AND SAVE MILLIONS  
of gallons of water EVERY YEAR!



Profile nozzles for **Toro®**

**730 SERIES**

| Part #              | Nozzle Color # range / spreader | Toro Nozzle #s |
|---------------------|---------------------------------|----------------|
| T730-3313           | Brown 33 / Gray 13              | 33             |
| T730-3413           | Blue 34 / Gray 13               | 34             |
| T730-3515           | Violet 35 / Red 15              | ---            |
| T730-3515L (50 psi) | Green 35 / Red 15*              | 35             |
| T730-3615           | Red 36 / Red 15*                | 36             |
| T730-3617           | Red 36 / Lavender 17            |                |



\* For square spacing, specify #17 (lavender) nozzle with the #35 and #36 range nozzles

**760 and 860 SERIES**

| Part #  | Nozzle Color: midrange / close-in |
|---------|-----------------------------------|
| T760-GY | Gray / Yellow                     |
| T860-GY | Gray / Yellow                     |

**830 and 834S SERIES**

| Part #  | Nozzle Color: midrange / close-in | Toro Series |
|---------|-----------------------------------|-------------|
| T830-GY | Gray / Yellow                     | 830         |
| T834-GY | Gray / Yellow                     | 834S        |

**835S SERIES** Full Circle: Midrange/Close-in Nozzle Set

| Part #   | Nozzle Color: midrange / close-in |
|----------|-----------------------------------|
| T835S-WP | White / Plug                      |

**630 SERIES** CALL FOR AVAILABILITY



Profile nozzles for **Rain Bird®**

**EAGLE 700 SERIES**

Full Circle: Midrange/Close-in Nozzles

| Part #      | Nozzle Color midrange / close-in | Rain Bird Nozzle #s |
|-------------|----------------------------------|---------------------|
| R70028-RG   | Blue / Gray                      | 28                  |
| R70032-RG   | Red / Gray                       | 32                  |
| R7003640-GG | Blue / Gray                      | 36/40 and larger    |

Our NEW low-angle 12° wind-fighting spreader nozzle delivers exceptional close-in uniformity for all Eagle 700 series sprinklers on either triangular or square spacing.



**670 SERIES** Full Circle: Rear Nozzles

| Part #  | Nozzle Color: midrange / close-in |
|---------|-----------------------------------|
| T670-BY | Black / Yellow                    |

**690 SERIES** Full Circle: Rear Nozzle

| Part # | Nozzle Color: spreader |
|--------|------------------------|
| T690-G | Gray                   |

**750 SERIES** Full Circle: Front/Rear Nozzle Set

| Part #    | Nozzle Color # range / spreader | Toro Nozzle #s |
|-----------|---------------------------------|----------------|
| T750-5617 | Red 56 / Lavender 17            | 56             |
| T750-5717 | Gray 57 / Lavender 17           | 57             |

**780 and 854S SERIES** Midrange/Close-in Nozzle Set

| Part #  | Nozzle Color: midrange / close-in | Toro Series |
|---------|-----------------------------------|-------------|
| T780-BY | Black / Yellow                    | 780         |
| T854-BY | Black / Yellow                    | 854S        |

**855S SERIES** Full Circle: Midrange/Close-in Nozzle Set

| Part #   | Nozzle Color: midrange / close-in |
|----------|-----------------------------------|
| T855S-PP | Pink / Plug                       |

**650 SERIES** CALL FOR AVAILABILITY



**900 EAGLE SERIES** Full Circle: Close-in Nozzle

| Part # | Nozzle Color |
|--------|--------------|
| R900-M | Maroon       |

**91 SERIES BRASS IMPACTS** Full Circle: Close-in Nozzle

| Part # | Nozzle Color |
|--------|--------------|
| R91-G  | Gray         |

**51 SERIES BRASS IMPACTS** Full Circle: Front/Rear Nozzles

| Part #     | Nozzle Color # range / spreader | Rain Bird Nozzle #s |
|------------|---------------------------------|---------------------|
| R51-1411.5 | White 14 / Gray 11.5            | 14 / 11.5           |
| R51-1611.5 | Blue 16 / Gray 11.5             | 16 / 11.5           |
| R51-1811.5 | Yellow 18 / Gray 11.5           | 18 / 11.5           |
| R51-2011.5 | Red 20 / Gray 11.5              | 20 / 11.5           |
| R51-2213   | Green 22 / Black 13             | 22 / 13             |
| R51-2413   | Black 24 / Black 13             | 24 / 13             |



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## NEW! AuditMaster™

### EXPERT SPRINKLER PERFORMANCE TESTING KITS

Poorly performing sprinklers waste a lot of water as watering times are increased to compensate. Accurately measuring sprinkler application rates with Underhill™ AuditMaster™ will maximize your customer's water savings.



**AuditMaster Combo ST/LT Kit** pictured, includes large CatchCanPro cups (blue) and CatchCanPro Mini cups (30 each).

**AuditMaster ST Kit** excludes the large CatchCanPro cups. This kit is ideal for **SMALL TURF** audits.

**AuditMaster LT Kit** excludes the CatchCanPro Mini cups, 3/4" Hose Bib and Gauge, or the Spray Head Tester w/Gauge. This kit is optimized for golf courses, sports fields and other **LARGE TURF** audits.

## CatchCan Pro™

### features

- Self standing - easily anchors into turf, even on slopes
- Measures sprinkler application in inches or centimeters
- Unique design allows for shorter duration test
- Made of durable polypropylene engineered plastic
- Can be stacked for easy storage
- Each 10 pack kit comes with instructions

CatchCan Pro (CCPK-10) for **LARGE TURF** audits. Measures ml, cm, inches.

CatchCan Pro Mini (CCPMK-10) for **SMALL TURF** audits. Measures inches.

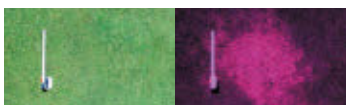
### ordering

|                   |                                |                   |                                   |
|-------------------|--------------------------------|-------------------|-----------------------------------|
| Part # AUD-ST     | AuditMaster ST Kit             | Part # A-HBG-160K | 3/4" POC Hose Bib w/Gauge         |
| Part # AUD-LT     | AuditMaster LT Kit             | Part # A-PHG-160K | Pitot Tube, 30" Flex Hose w/Gauge |
| Part # AUD-STLT   | AuditMaster Combo ST/LT Kit    | Part # A-SHG-160K | Spray Head Tester w/Gauge         |
| Part # SALES-PRO4 | AuditMaster Wheeled Carry Case | Part # MT-100     | Fiberglass Measuring Tape: 100'   |
| Part # CCPK-10    | CatchCan Pro (Blue) - 10 Pack  | Part # A-STW      | Stop Watch                        |
| Part # CCPMK-10   | CatchCan Pro Mini - 10 Pack    | Part # A-WIND     | Anemometer (Wind Gauge)           |
|                   |                                | Part # A-FLAG-50  | Marking Flags - 50 Pack           |

# TurfSpy™

## EARLY STRESS DETECTION GLASSES

Disease, drought and weed invasion are plant and turf killers. But by the time you see them it can be too late. TurfSpy™ glasses, with stress detection technology developed by NASA, lets you “see into the future” to identify problems 2-10 days before they are visible to your naked eye. Keep your turf and vegetation healthy BEFORE serious problems arise.



**fusarium patch**



**pythium blight**



**yellow patch (rhizoctonia)**



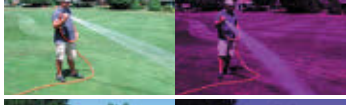
**brown patch**



**anthracnose**



**get a jump on broken or poor-performing sprinklers**



**highly efficient spot watering saves time and labor costs**



**superior weed location and spraying saves time and money**

## features

- Shatterproof/polycarbonate stress detection lens (ANSI approved safety lens)
- Wrap-around lens limits ambient light for optimal detection
- Sports frame with adjustable ear piece
- Lightweight case included

## HOW IT WORKS

Dying vegetation absorbs and reflects sunlight differently than when it's healthy. The earliest signals occur at the outer limits of the human visual spectrum, and are rendered invisible compared to the predominant middle wavelengths. TurfSpy™ filters the light in the center so that fringe spectra, which show early plant stress, become visible.



## ordering

Part # NG655-01 TurfSpy™ Glasses and Deluxe Case

# HeadChecker™

## NOZZLE DISCHARGE PRESSURE GAUGE

Use our liquid-filled 160 psi gauge with a solid brass Pitot tube, hose bib, or spray head adapter to measure water pressure at discharge points or in the pipeline.



## ordering

- |                 |  |
|-----------------|--|
| Part # A-HCGPK  | HeadChecker™ 160 psi gauge and Pitot tube  |
| Part # A-PG160L | Pressure gauge only                        |
| Part # A-HCP    | Pitot tube only                            |
| Part # A-PH     | 30" Flex Hose For Pitot tube/gauge         |
| Part # A-HBT    | 3/4" Hose Thread x 1/4" Brass Hose Bib Tap |
| Part # A-SHA    | Spray Head Adapter                         |



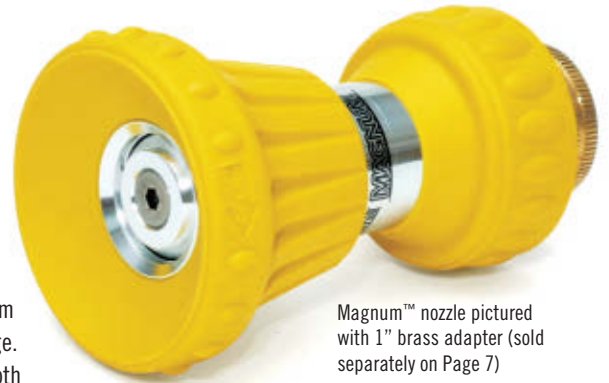
# Magnum™

## SOLID METAL HOSE NOZZLE

Underhill™ Magnum™ contains no plastic internal parts to break, stick or wear out. Our unique ratchet mechanism easily adjusts from gentle fan to powerful jet stream and prevents over-tightening damage. Precision-machined, incredibly smooth operation and outstanding distribution patterns make it ideal for high-demand areas like greens and tees. Magnum™ is also an excellent equipment wash-down nozzle.

### features

- Built for 1" and 3/4" flow rates
- Fire hose quality nozzle feels great in your hands
- Ultra-durable construction withstands any abuse
- Solid metal internal - no plastic parts to break or wear out
- Beautiful, consistent spray patterns for life
- Ratchet mechanism prevents over-tightening damage
- Multi-pattern sprays - effortless control with hydraulic assist on/off



Magnum™ nozzle pictured with 1" brass adapter (sold separately on Page 7)



**solid metal internal body**

Won't stick...won't break



fan



jet



soak

### specifications

Materials: stainless steel, aluminum, TPR rubber  
 Flow: 37 GPM at 80 psi  
 Inlet: 3/4" hose thread  
 (1" brass adapter available, see Page 7)



# CoolPro™

## COOL WITHOUT OVER WATERING - NO ROOT DAMAGE

A hot summer day can be murder on your greens. Use too much water and you risk damage to the roots. CoolPro™ is the first nozzle specifically designed for the single purpose of lightly misting the turf canopy to cool without over watering. And its 25 foot fogging pattern gets the job done quickly.

### features

- 3/4" inlet (1" brass adapter available, see Page 7)
- Ergonomic handle/valve provides easy grip and variable on/off control.
- Durable solid metal design: zinc, aircraft aluminum and stainless steel.
- Patented Precision™ nozzle fogs at 70 psi to deliver a 25 ft. pattern with only 4-6 GPM

Perfect for tournament play, CoolPro™ puts down only enough water to cool the turf canopy. It prevents wilting while maintaining good ball speed. CoolPro is a great tool for protecting grass on hot days without damaging roots.

### ordering

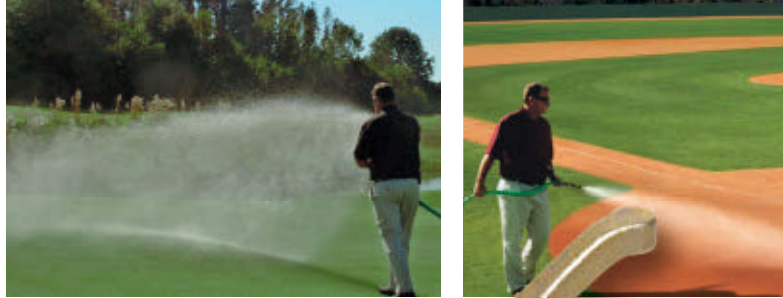
- |               |                           |
|---------------|---------------------------|
| Part # NG450  | MAGNUM™ Hose Nozzle       |
| Part # HNC075 | CoolPro™ Valve and Nozzle |
| Part # CV075L | CoolPro™ Valve only       |



# Precision™

## SOLID METAL, SPECIFIC TASK HOSE NOZZLES

Underhill Precision™ nozzles deliver millions of soft, uniform droplets to provide rapid yet surprisingly gentle water application over a huge range of flow rates. From soft watering to powerful drenching, patented Precision nozzles are designed with ideal flow rates and droplet sizes to fully irrigate without disturbing turf, dirt, seeds, etc., providing a precise solution for every hand watering application.



**NEW!**

### NozzlePro KIT

MAGNUM, CoolPro, the entire Precision nozzle series and a high-flow brass valve - kept safe and secure in an unbreakable, lockable, corrosion-proof case.



### choose your nozzle by flow rate or specific task

| NOZZLE NAME (color) | GPM | VALVE     | TASKS   |
|---------------------|-----|-----------|---|
| Rainbow™ (yellow)   | 15  | CoolPro   | Greens, tees, sensitive landscaping, transplants, seed beds       |
| Rainmaker™ (green)  | 23  | High-Flow | Syringe and spot watering turf and hardy landscaping              |
| Cloudburst™ (blue)  | 48  | High-Flow | Dry spots, high volume drenching and application of wetting agent |
| Cyclone™ (red)      | 50+ | High-Flow | Pre-game skins watering, heavy watering of large areas            |

Note: GPM will vary with pressure at nozzle.

### high-flow valves



#### SOLID BRASS

- 3/4" hose thread inlet/outlet
- up to 50 GPM

#### COMPOSITE / STAINLESS STEEL

- 3/4" hose thread inlet/outlet
- oversized handle
- up to 55 GPM

### hose adapters / quick-connectors



### ordering

|  |  |
|--|--|
| Part # HP-K1   | NozzlePro Kit                          |
| Part # HN1500  | Precision™ Rainbow™ Hose Nozzle        |
| Part # HN2300  | Precision™ Rainmaker™ Hose Nozzle      |
| Part # HN4800  | Precision™ Cloudburst™ Hose Nozzle     |
| Part # HN5000  | Precision™ Cyclone™ Hose Nozzle        |
| Add "-CV" to part numbers to include brass high-flow valve and 1" adapter (as pictured above). |  |
| Part # CV075H  | High-Flow 3/4" Valve - Brass           |
| Part # A-BV77FM  | High-Flow 3/4" Valve - Composite/Steel |
| Part # A-BA107FM   | 1" FHT x 3/4" MHT Brass Hose Adapter   |
| Part # A-BA107MF   | 1" MHT x 3/4" FHT Brass Hose Adapter   |
| Part # A-BQ7M  | 3/4" Quick-Connect, male end           |
| Part # A-BQ7F  | 3/4" Quick-Connect, female end         |
| Part # HN075W  | replacement washer, 3/4" hose          |

## PelletPro™

### APPLICATOR GUN FOR SOLID WETTING AGENT TABLETS

We outfitted our heavy-duty surfactant applicator with a high-flow composite/stainless steel valve and a Precision™ Cloudburst™ nozzle to produce the finest wetting agent gun available. The PelletPro™ accepts all wetting agent tablets and is designed to provide powerful, yet ultra-soft spray when watering or applying surfactants to tight, hydrophobic soils.

### features

- 48 GPM capability gets the job done faster!
- Ultra Heavy-Duty - brass fittings, aircraft aluminum, stainless steel, and precision engineered glass-filled materials
- Patented Precision™ Cloudburst™ nozzle delivers large droplets in an outstanding fan pattern
- Pellet rotation (1 RPS) evenly dissolves/applies tablets



With the included 1" FHT x 3/4" MHT brass adapter, PelletPro™ works with both 3/4" and 1" hoses.

PelletPro™ rotates pellets at 1 revolution per second (RPS) to evenly dissolve/apply wetting agent

### 2 products in 1!

Remove the PelletPro™ bowl and you have a superb syringe nozzle combo: the patented, 48 GPM Precision™ Cloudburst™ with our high-flow, oversized handle valve.



PelletPro's bowl, also sold individually, works perfectly as a replacement in-line filter bowl for most spray rigs. Heavy-duty, transparent plastic shows fluids. (No more cracked bowls during winter storage!)

### ordering

|                  |                           |
|------------------|---------------------------|
| Part # A-PPWA50K | PelletPro™ Applicator Gun |
| Part # A-PPB     | In-line Filter Bowl       |
| Part # A-PPBG    | Gasket                    |