Win the insect battle with ALOFT® Insecticide. Nothing controls insects better, faster or longer. Its one of a kind formulation provides season long control of white grubs, all major turfgrass insects and surface-feeding pests with one early application.

To learn more, visit totalinsectcontrol.com.
Web links get shortened when posted to Twitter, and most people won't click on a link without knowing where it leads. When posting a link or photo, be sure to add a description of your own, even if it’s just a few words.

THE KITCHEN SINK

Of course, there's more to social media than just Twitter. Here are a few of the other networks your crew or members might use, and how useful we think they are for superintendents:

**Facebook**

Facebook: Chances are good you already use Facebook, but have you thought about using it for course updates and helpful links to educational pages for your colleagues? Updating a status can include those, photos and videos, all of which can be easily uploaded from a smartphone. Facebook has been working hard to catch up to G+ in quick selection of who sees what content.

**LinkedIn**

LinkedIn: Keeping things professional is what LinkedIn is all about. It’s a solid communication tool for keeping channels open for career movement and advancement, since connections will be on a professional level.

**Google+**

Google+: What Google+ brings to the table is an unmatched ability to select who sees what you’re posting by gathering your followers into Circles. If you’re posting a weather update, it would be a perfect fit for your “Members” Circle; posting some turf photos to try and diagnose dollar spot? That’s more apt for your Colleagues and Turf Researchers Circles. Google+ also gives you the ability to do instantaneous group chats with friends through Google+ Hangouts.

**Pinterest**

Pinterest: The newest kid in class, Pinterest has gotten a following by creating a purely visual way to collect interesting content on the Web. So it’s not the right place to post your daily weather updates – but it’s perfect for the before and after photos of the renovation, or shots of happy golfers at your most recent event.
When a product does its job day in and day out - it works. When it saves you time, money, or water - it's smart. When it does both - it's from Underhill.

Products that work...smart.
Magnum™ UltraMAX

PREMIUM HOSE-END NOZZLES & ACCESSORIES
Step up to the most professional nozzle you can buy - MAGNUM™ UltraMax. Firefighter quality for professionals in any field, these variable flow, multi-function nozzles are virtually indestructible and leak proof. The innovative TURBO SHIFT feature, available on both high-flow and low-flow models, provides two distinct GPM ranges for added versatility. And the outstanding distribution patterns of all MAGNUM UltraMAX nozzles make them excel in high demand areas like greens/tees, infield conditioning and equipment and stadium washdowns.

features / specifications
- Multi-Pattern Spray: Fog, Jet Stream, Fan
- Built for 1" and ¾" Hose Flow Rates (range: 7-43 GPM)
- Materials: Aircraft Aluminum, Stainless Steel, TPR Rubber

FULL THROTTLE
Single Variable Flow: Delivers steady, maximum volume fog, jet stream and fan patterns.

High Volume Model:
15-40 GPM (57-151 L/min)

Low Volume Model:
12-19 GPM (45-72 L/min)

TURBO SHIFT
Dual Variable Flow: Delivers light fog and low volume jet stream patterns before shifting to high volume jet stream and fan patterns.

High Volume Model:
Opens with 12-17 GPM (45-64 L/min)
 Turbo Shifts to 20-43 GPM (76-163 L/min)

Low Volume Model:
Opens with 7-12 GPM (27-45 L/min)
 Turbo Shifts to 14-17 GPM (53-64 L/min)

UltraMAX Valves
Heavy duty ball valve, push-pull on/off control handle and exceptional build quality for long life under demanding use. Available in Firefighter Grip for two-handed operation or ergonomic Pistol Grip for comfortable, extended use. **Nozzles sold separately.**

ordering
<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NG550-DFH-75</td>
<td>Turbo Shift 12-43 GPM (45-163 L/min) - ¾&quot; FHT inlet</td>
</tr>
<tr>
<td>NG550-DFH-10</td>
<td>Turbo Shift 12-43 GPM (45-163 L/min) - 1&quot; FHT inlet</td>
</tr>
<tr>
<td>NG550-DFL-75</td>
<td>Turbo Shift 7-17 GPM (27-64 L/min) - ¾&quot; FHT inlet</td>
</tr>
<tr>
<td>NG550-DFL-10</td>
<td>Turbo Shift 7-17 GPM (27-64 L/min) - 1&quot; FHT inlet</td>
</tr>
<tr>
<td>NG500-SFH-75</td>
<td>Full Throttle 15-40 GPM (57-151 L/min) - ¾&quot; FHT inlet</td>
</tr>
<tr>
<td>NG500-SFH-10</td>
<td>Full Throttle 15-40 GPM (57-151 L/min) - 1&quot; FHT inlet</td>
</tr>
<tr>
<td>NG500-SFL-75</td>
<td>Full Throttle 12-19 GPM (45-72 L/min) - ¾&quot; FHT inlet</td>
</tr>
<tr>
<td>NG500-SFL-10</td>
<td>Full Throttle 12-19 GPM (45-72 L/min) - 1&quot; FHT inlet</td>
</tr>
<tr>
<td>SVPG-75</td>
<td>Pistol Grip Valve - ¾&quot; FHT inlet</td>
</tr>
<tr>
<td>SVPG-10</td>
<td>Pistol Grip Valve - 1&quot; FHT inlet</td>
</tr>
<tr>
<td>SV-75</td>
<td>Firefighter Grip Valve - ¾&quot; FHT inlet</td>
</tr>
<tr>
<td>SV-10</td>
<td>Firefighter Grip Valve - 1&quot; FHT inlet</td>
</tr>
</tbody>
</table>

All flow rates based on 80 psi (5.5 bar)

Products that work... smart.
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**
- Multi-pattern sprays - effortless control with hydraulic assist on/off
- Solid metal internal - no plastic parts to break or wear out
- Ratchet mechanism prevents over-tightening damage
- Ultra-durable construction withstands any abuse
- Fire hose quality nozzle feels great in your hands
- Beautiful, consistent spray patterns for life
- Built for 1" and ¾" flow rates

**specifications**
- Materials: stainless steel, aluminum, TPR rubber
- Flow: 37 GPM at 80 psi
- Inlet: ¾” hose thread (1” brass adapter available, see Page 4)

**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**
- Precision™ nozzle fogs at 70 psi to deliver a 25 ft. pattern with only 4-6 GPM
- ¾" inlet (1” brass adapter available, see Page 4)
- Ergonomic handle/valve provides easy grip and variable on/off control.
- Durable solid metal design: zinc, aircraft aluminum and stainless steel.

**ordering**
- Part # NG450 MAGNUM™ Hose Nozzle
- Part # HN075 CoolPro™ Valve and Nozzle
- Part # HN0600 CoolPro™ Nozzle only
- Part # CV075L CoolPro™ Valve only

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.

866-863-3744 • www.underhill.us
**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.

**precision watering for specific tasks**

**Rainbow™** TASKS: Greens, tees, seed beds, transplants, delicate landscaping (15 GPM)

**Rainmaker™** TASKS: Syringe and spot watering turf and hardy landscaping (23 GPM)

**Cloudburst™** TASKS: Dry spots, drenching, and wetting agent application (35+ GPM)

**Cyclone™** Pre-game skins watering, heavy watering of large areas (50+ GPM)

Note: GPM will vary with pressure at nozzle.

**NEW!**

Bumper Design

**high-flow valves**

COMPOSITE / STAINLESS STEEL: ¾” hose thread inlet/outlet, oversized handle, up to 55 GPM

SOLID BRASS: ¾” hose thread inlet/outlet, up to 50 GPM

**hose adapters / quick-connectors**

**ordering**

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HN1500CV</td>
<td>Precision™ Rainbow™ Nozzle Kit</td>
</tr>
<tr>
<td>HN2300CV</td>
<td>Precision™ Rainmaker™ Nozzle Kit</td>
</tr>
<tr>
<td>HN4800CV</td>
<td>Precision™ Cloudburst™ Nozzle Kit</td>
</tr>
<tr>
<td>HN5000CV</td>
<td>Precision™ Cyclone™ Nozzle Kit</td>
</tr>
<tr>
<td>CV075H</td>
<td>High-Flow ¾” Valve - Brass</td>
</tr>
<tr>
<td>A-BV77FM</td>
<td>High-Flow ¾” Valve - Composite/Steel</td>
</tr>
<tr>
<td>A-BN77FM</td>
<td>1” FHT x ¾” MHT Brass Hose Adapter</td>
</tr>
<tr>
<td>A-BA107FM</td>
<td>1” MHT x ¾” FHT Brass Hose Adapter</td>
</tr>
<tr>
<td>A-BQ7MF</td>
<td>¼” Quick-Connect, male end</td>
</tr>
<tr>
<td>A-BQ7F</td>
<td>¼” Quick-Connect, female end</td>
</tr>
<tr>
<td>HN075W</td>
<td>replacement washer, ¾” hose</td>
</tr>
</tbody>
</table>

Note: To order nozzle only, remove "CV" from part number.
**PelletPro™**

**APPLICATOR GUN FOR SOLID WETTING AGENT TABLETS**

Our heavy-duty surfactant applicator, high-flow valve and Precision™ Cloudburst™ nozzle combo comprises the finest wetting agent gun available. PelletPro™ accepts all wetting agent tablets and provides a high volume, yet soft spray for watering or applying surfactants to tight, hydrophobic soils.

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

**IN-LINE APPLICATOR OPTION**
Connect directly to a water source (quick coupler, HoseTap, etc.) to get the benefits of PelletPro with less handheld weight.

**LiquidPro™**

**APPLICATOR GUN FOR LIQUID WETTING AGENT**

LiquidPro’s chemical-resistant, UV-protected, lightweight siphon/mixing system can cover 1000 square feet in less than a minute! With unmatched speed and uniformity, you can virtually "paint" your turf with liquid wetting agent, fertilizers, and micronutrients. Adjustable metering dial offers 10 additive settings including "Water Only."

**ordering**
- Part # A-PPWA50K: PelletPro™ Applicator Gun
- Part # A-PPQ-075: PelletPro™ In-line Applicator: ⅜" FHT inlet, ¾" MHT outlet
- Part # A-PPQ-100: PelletPro™ In-line Applicator: 1" FHT inlet, 1" MHT outlet
- Part # A-PPB: In-line Filter Bowl
- Part # A-PPBG: Gasket
- Part # A-LPWA50K: LiquidPro™ Applicator Gun
- Part # A-LPWAB-6: 6-Pack of 32 oz. Polybottles and Carrier

With the included 1" FHT x ⅜" MHT brass adapter, PelletPro™ and LiquidPro™ work with both ¾" and 1" hoses.
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. And with ultra-uniform water distribution, 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. Nozzles so consistent, patterns so uniform...it's like rain on demand.™

Use less water, energy and manpower and get better course playability.

“Profile nozzles lived up to our expectations and eliminated patchy dry spots and donuts. We retrofitted all our fairways and now run a more efficient irrigation program.”

Logan Spurlock
Superintendent, Sherwood Country Club

“It was like putting in a new irrigation system. I became a believer overnight.”

Mike Huck
Irrigation & Turfgrass Services
Former USGA Staff Agronomist and Superintendent, Murrieta Hot Springs Resort

“The Profile retrofit program has also extended the life of our Toro system while improving course appearance and playability.”

Dennis Eichner
Assistant Superintendent, Silverado Resort - Napa, California

“The real power is knowing that retrofitting sprinklers with Profile nozzles can be phased in to work within a course’s operating budget.”

Kurt Thompson
K. Thompson and Associates, Irrigation Consultant and Trainer
Huntersville, North Carolina and Pace, Florida

Upgrade your entire course all at once - ZERO INTEREST FINANCING options available now!

See how Superintendents are upgrading their entire golf courses!

Products that work...smart.™
### 730 SERIES
Full Circle: Front/Rear Nozzle Set

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color</th>
<th>Range/spreader</th>
<th>Toro Noz #</th>
</tr>
</thead>
<tbody>
<tr>
<td>T730-3313</td>
<td>Brown 33 / Gray 13</td>
<td></td>
<td>33</td>
</tr>
<tr>
<td>T730-3413</td>
<td>Blue 34 / Gray 13</td>
<td></td>
<td>34</td>
</tr>
<tr>
<td>T730-3515</td>
<td>Violet 35 / Red 15</td>
<td></td>
<td>---</td>
</tr>
<tr>
<td>T730-3515L (50 psi)</td>
<td>Green 35 / Red 15*</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>T730-3615</td>
<td>Red 36 / Red 15*</td>
<td></td>
<td>36</td>
</tr>
<tr>
<td>T730-3617</td>
<td>Red 36 / Lavender 17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### 760 and 860 SERIES
Part Circle: Midrange/Close-in Nozzle Set

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: midrange/close-in</th>
</tr>
</thead>
<tbody>
<tr>
<td>T760-GY</td>
<td>Gray / Yellow</td>
</tr>
<tr>
<td>T860-GY</td>
<td>Gray / Yellow</td>
</tr>
</tbody>
</table>

### 830, 834S, DT SERIES
Part Circle: Midrange/Close-in Nozzle Set

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: midrange / close-in</th>
</tr>
</thead>
<tbody>
<tr>
<td>T830-GY</td>
<td>Gray / Yellow</td>
</tr>
<tr>
<td>T834-GY</td>
<td>Gray / Yellow</td>
</tr>
<tr>
<td>TDT100-GY</td>
<td>Gray / Yellow</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: midrange / close-in</th>
</tr>
</thead>
<tbody>
<tr>
<td>T835S-WP</td>
<td>White / Plug</td>
</tr>
</tbody>
</table>

### 630 SERIES
CALL FOR AVAILABILITY

### 670 SERIES
Full Circle: Rear Nozzles

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: midrange / close-in</th>
</tr>
</thead>
<tbody>
<tr>
<td>T670-BY</td>
<td>Black</td>
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</table>

### 690 SERIES
Full Circle: Rear Nozzle

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: spreader</th>
</tr>
</thead>
<tbody>
<tr>
<td>T690-G</td>
<td>Gray</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: # range / spreader</th>
</tr>
</thead>
<tbody>
<tr>
<td>T750-5617</td>
<td>Red 56 / Lavender 17</td>
</tr>
<tr>
<td>T750-5717</td>
<td>Gray 57 / Lavender 17</td>
</tr>
</tbody>
</table>

### 780, 854S, DT SERIES
Midrange/Close-in Nozzle Set

Part Circle (780), Full Circle (854S), Part/Full Circle (DT 54/55)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: midrange / close-in</th>
</tr>
</thead>
<tbody>
<tr>
<td>T780-BY</td>
<td>Black / Yellow</td>
</tr>
<tr>
<td>T854-BY</td>
<td>Black / Yellow</td>
</tr>
<tr>
<td>TDT150-BY</td>
<td>Black / Yellow</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: midrange / close-in</th>
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</thead>
<tbody>
<tr>
<td>T855S-PP</td>
<td>Pink / Plug</td>
</tr>
</tbody>
</table>

### 650 SERIES
CALL FOR AVAILABILITY

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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color: close-in</th>
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<tbody>
<tr>
<td>R900-M</td>
<td>Maroon</td>
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</table>

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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color:</th>
</tr>
</thead>
<tbody>
<tr>
<td>R91-G</td>
<td>Gray</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Part #</th>
<th>Nozzle Color:</th>
<th>Rain Bird Noz #</th>
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</thead>
<tbody>
<tr>
<td>R51-1411.5</td>
<td>White / 14 / Gray 11.5</td>
<td>14 / 11.5</td>
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<tr>
<td>R51-1611.5</td>
<td>Blue / 16 / Gray 11.5</td>
<td>16 / 11.5</td>
</tr>
<tr>
<td>R51-1811.5</td>
<td>Yellow / 18 / Gray 11.5</td>
<td>18 / 11.5</td>
</tr>
<tr>
<td>R51-2011.5</td>
<td>Red / 20 / Gray 11.5</td>
<td>20 / 11.5</td>
</tr>
<tr>
<td>R51-2213</td>
<td>Green / 22 / Black 13</td>
<td>22 / 13</td>
</tr>
<tr>
<td>R51-2413</td>
<td>Black / 24 / Black 13</td>
<td>24 / 13</td>
</tr>
</tbody>
</table>

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AuditMaster™

EXPERT SPRINKLER PERFORMANCE TESTING KITS
Increasing watering times to compensate for poorly performing sprinklers wastes a lot of water. Accurately measuring sprinkler application rates with Underhill™ AuditMaster™ helps maximize 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, Hose Bib and Gauge and 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

ordering
Part # AUD-ST AuditMaster ST Kit
Part # AUD-LT AuditMaster LT Kit
Part # AUD-STLT AuditMaster Combo ST/LT Kit
Part # SALESPRO4 AuditMaster Wheeled Carry Case
Part # A-STW Stop Watch
Part # A-WIND Anemometer (Wind Gauge)
Part # CCPK-10 CatchCan Pro (Blue) - 10 Pack
Part # CCMK-10 CatchCan Pro Mini - 10 Pack
Part # MT-100 Fiberglass Measuring Tape: 100'
Part # A-FLAG Marking Flags: Yellow - 50 Pack
Part # A-FLAG-B Marking Flags: Blue - 50 Pack
Part # A-FLAG-O Marking Flags: Orange - 50 Pack
Part # A-FLAG-P Marking Flags: Pink - 50 Pack
Part # A-FLAG-R Marking Flags: Red - 50 Pack
Part # A-FLAG-W Marking Flags: White - 50 Pack

Products that work...smart.