Turf News

The only magazine devoted exclusively to turfgrass production

Annual Equipment & Product Buyer’s Guide

ALSO IN THIS ISSUE

New Products for 2017

Past Presidents Share Highlights

CELEBRATE TPI’s 50th with the 2000s

... And Much More
We’re On A Roll...

& All Wrapped Up In...

MAGNUM NET!
Multiple Netting Warehouses Available Near You!
Phone: 1 (800) 330-0857 // 1 (913) 783-4600 //
Fax: (913) 783-4606 // info@magnumenp.com
www.magnumenp.com
FEATURE ARTICLES

FOCUS: Annual Equipment & Product Buyer’s Guide

12 Introducing the Annual Equipment & Product Buyer’s Guide
Read the summary of this year’s guide and check the index to help you find just the items you are seeking.

13 New for 2017
Check out the 15 new and/or updated products designed to help you grow your business.

19 Annual Equipment & Product Buyer’s Guide
41 pages of information from 36 supplier members including many pictures and QR codes to help you gain more information to assist you in determining what is going to best suit your needs.

66 Annual Equipment & Product Buyer’s Guide Supplier Listing
All the information you need to contact the companies listing products in the 2016 Buyer’s Guide.

70 The Lawn Institute (TLI) Has Exciting News
Read about all the exciting opportunities to help raise funds to finance education and research for this important industry while you acquire good times, and possibly secure well known or one-of-a-kind products or services to enhance your personal and/or business life.

72 University of Florida Turfgrass Breeding and Research Program
Learn more about Dr. Kevin Kenworthy’s ‘real world’ program and its impact on not only Florida, but potentially the entire turfgrass industry.

78 50th Anniversary Celebration Continues—The Decade Beginning in 2000
We continue to celebrate the past Fabulous 50 Years of TPI with this look at 2000 through 2009.

86 Ike Thomas—A Man of Many Hats
30 years after serving as the Association’s President, Ike Thomas is still very much involved in numerous activities and business ventures.

89 The Lain Family, Pine Island Turf Nursery, and a Lasting Legacy
Charles, Sr. and Chip Lain, two TPI Past-Presidents, and Chip’s daughter, Kelsey Lain Gurda, look back on Pine Island Turf Nursery’s 50 years in business.

97 Turf Australia Reports on Successful Forums
NXGen Forum successfully showcased turf’s significant role in urban development and water restrictions. The 2016 roadshows of forums were also a great success.

PLUS

TPI News..............................................6
TURF Industry News.........................99

DEPARTMENTS

President’s TURF..................................2
Executive Director’s TURF.................4
Welcome New & Returning Members…103
The Lawn Institute News...............8

BONUS

TLI Helpful Hints Pass-Along.............9
Classified Ads.................................102
Advertisers Index.........................103
TURF Industry Calendar..................104
Sod Family and Friends,

Since this is the annual equipment issue and there are always new things we want on our farms, we might ask ourselves: Why do we farm? Some city-folk think we farm because we can’t do anything else or maybe we just aren’t smart. Now that will make you grin!

As farmers we are keenly aware of the ‘outside and inside’ worlds of life. We were and are the first green-friendly industry and we live on the land we farm, so we must be good stewards. Recently Ms. Lou Ballew (known as the First Lady of Sod and Nursery when she worked for the Oakland Plantation in North Carolina), told me that one of the best skills farmers have is their awareness for life. After I thought about this, I completely agree. So during this Thanksgiving season, I’ve decided to list some of the gifts of awareness that I am very grateful for as a farmer.

- Farming is hard work. Farming people are not thought of as ‘lazy-folk!’ My Mom is one of the hardest working ladies I know.
- Farming requires skills not easily learned from a book. It requires trustworthy relationships. Around here honesty is the best policy.
- Farming necessitates firsthand experience. If you live it, you know what you are talking about. Certainly mistakes can be costly but the rewards can smell and feel as wonderful as freshly cut grass! Being immersed in our family farm is a gift from God.
- Farming involves patience. Growing a crop is a process. Knowing when to listen and when to speak requires patience as well.
- Farming entails having an appreciation for the earth. We must be good stewards of the land to continue making a living.
- Farming requires an understanding of economics (micro and macro). We must understand finances to make good production decisions. My family taught me to seek wisdom.

When we listen to others who have plowed the road ahead of us, we learn how to make things better on our farms. For the next issue, we are asking you to share the best pieces of advice you’ve received that have enhanced your farm. Please send them to: suztrusty@TurfGrassSod.org.

As we celebrate the spirit of the season and the beginning of another year, my hope is that you will take time to thank God for all the blessings in your life. When we are thankful people we have a glad heart. John 16:33 says: “These things I have spoken to you, so that in Me you may have peace. In the world you will have tribulation, but take courage, I have overcome the world.” Merry Christmas and may the New Year be filled with Peace and Love for you and yours.

Please sign up today for our 50th Anniversary Celebration in Tampa, Feb.

Blessings, Linda P. Bradley
**FIELD Netting**
- TAMA Reinforced Knitted Net
- 22,000 ft. X 17 ft.
- Steel Core

**Big Roll Netting**
- TAMA Big Roll
- 13,200 ft. Length
- Red Mark for Roll End
- 30”, 40” Width

**NEW Degradable Extruded Netting**
- Extruded Field Net
- Standard & Heavy Duty
- 17 ft., 20 ft. Width
- Now Available as Degradable Net

- Extruded Big Roll
- Standard & Heavy Duty
- 23”, 29”, 40”, 46” Width
- Now Available as Degradable Net

TAMANET USA Inc.
Tel 1-800-441-8262, (714) 698-0990
Fax (714) 842-5600
www.tamanetusa.com
50 & Fabulous: Celebrating Our Past, Inspiring Our Future

This is one TPI Conference you won’t want to miss!

TPI’s 2017 International Education Conference & Field Day in Tampa, Florida, is sure to be an unforgettable event. If you’re fond of nostalgia, or even if you are relatively new to TPI, the scope of planned events, both business and social, are sure to inform, educate, entertain and inspire you.

We have a lot of exciting things planned to make TPI’s 50th Anniversary a fun-filled experience for the entire family. Pre-conference optional activities like the popular Rootin’ Tootin’ Clay Shootin’ Tournament and a Treasures of Tampa Water and Land Tour are just the beginning of what’s sure to be a memorable few days in sunny Florida.

The Conference & Education Committee has developed two days of new and unique educational opportunities that are sure to benefit you and your business. Starting with our opening keynote session: What’s Your Uber? which will make you think about the next big thing that will impact the turfgrass industry. Or attend one of our breakout sessions that will focus on the latest cutting-edge research.

Be sure to participate in Tuesday’s Roundtable Lunch where you will have the opportunity to network and learn from our speakers, other industry leaders, and exchange ideas and seek advice from your peers. These sessions are sure to serve as a great starting point for a prosperous and successful 2017.

And be sure not to miss the Field Day at SMR Farms which will feature live equipment demonstrations and displays from leading manufacturers and suppliers who serve the turfgrass industry … and there may be a few special surprises!

TPI’s 50 & Fabulous: Celebrating Our Past, Inspiring Our Future Banquet on Wednesday evening will be an exciting celebration of our association from its inception as ASPA to the international organization that thrives today. Thanks to the generosity and support of several Canadian members we will be raffling-off an incredible John Deere RSX All-Terrain Vehicle (see page 47). And have your bidding paddles ready for the amazing items that will be auctioned off during the evening’s live auction. Check out the items on page 85 and obtain more information at www.TurfGrassSod.org.

In addition to a wonderful program and social festivities, we couldn’t have picked a more ideal location. Tampa is a great destination for family fun with its wide variety of nearby theme parks. The host property, the Saddlebrook Resort, is ideal with its numerous amenities. They also offer exclusive two-bedroom suites that include a kitchen area, perfect for a big family or the gathering of friends.

The TPI Board, both past and present, and the TPI staff, all want to express their sincere appreciation to the many TPI members who have shown their support over the last five decades.

As well, we want to express our sincere thanks and gratitude to TPI’s many exhibitors, sponsors and advertisers who have not only provided our members with innovative equipment, supplies and service support, but who have enriched their businesses, and whose friendship and loyalty has been immeasurable in TPI’s success over the last half century.

Finally, we want to extend a sincere thank you to the many turfgrass Extension Specialists, research scientists and others in the turfgrass industry, including the many state, regional and international associations, who have unsfelfishly demonstrated their support to TPI in promoting our efforts and who have represented the turfgrass industry worldwide.

TPI’s 50 & Fabulous: Celebrating Our Past, Inspiring Our Future Celebration is sure to draw a big crowd and we’re hoping you can join us. Plan now to make your reservations. Better yet, make it a family vacation that you’ll long remember.

Looking forward to seeing you in Tampa come February.

Until next time,
THE WORLD BROUGHT THEIR BEST TO RIO. SO DID WE.

When golf returned to the Summer Olympic Games, it was for the first time in over a century. And just as important as the sport, was the turf selected for it to be played on — Zeon. With contributions from leading golf organizations to showcase a course that was not only visually stunning, but also one that was sustainable both environmentally and economically, only one turfgrass came out on top. With deep rich color and a thick lush canopy, the world’s top golfers all agreed, Zeon took Gold, Silver and Bronze.

EXTRAORDINARY HAS A NAME — ZEON.

For more information about certified Zeon Zoysiagrass, or to locate a licensed producer in your area, please contact:

The Turfgrass Group, Inc.
1225 Savannah Lane • Monroe, Georgia 30655
(770) 207-1500 or (770) 710-8139
www.THETURFGRASSGROUP.com
2017 IS TPI’S 50TH ANNIVERSARY!
This issue of Turf News continues its journey through the decades as we celebrate the past 50 years and plan for the next 50. This issue features the years 2000 through 2009.

FARM CHALLENGE
Have you taken Louis & Ginger Brooking up on their farm challenge to help TPI celebrate our first Fabulous 50 years? Details on page 76.

FACEBOOK
Be sure to visit TPI’s Facebook page at https://www.facebook.com/TurfgrassProducersInternational. Join the nearly 1100 followers who currently LIKE US on Facebook. You’ll find timely information, 50th Anniversary Trivia questions, association and industry news, and plenty of photographs of TPI events.

MARK YOUR CALENDAR
TPI 2017 International Education Conference & Field Day
Celebrating TPI’s 50th Anniversary
February 20-23, 2017 in Tampa, Florida – USA
Saddlebrook Resort
Field Day Host: SMR Farms, LLC
Save this date and plan to celebrate 50 years with us! It will be a celebration to remember!
The TPI conferences and conventions provide you with an opportunity to meet with turfgrass professionals from around the world, and include education sessions, business meetings, exhibits, live equipment demonstrations and social activities. There is something for every professional in the industry at this TPI event.

REGISTRATION IS NOW OPEN
VISIT THE TPI WEBSITE & BOOK YOUR HOTEL TODAY!
Saddlebrook Resort
5700 Saddlebrook Way
Wesley Chapel, FL 33543
1-813-973-1111 or 1-800-729-8383.
Reference Turfgrass or TPI - $225 + Tax per night

WHAT TO KNOW
Did you know that TPI members can view pictures from past conventions and conferences on Smug Mug?
Visit: www.tpiphotos.smugmug.com/to take a journey down memory lane.
**HISTORIC PHOTOS WANTED**

Do you have photos of ASPA or TPI events over the years? If so, can you please share them with us so we can make copies and include them in a showcase of TPI’s history at out 50th Anniversary Celebration in Tampa? If you have photos to share please contact Jim Novak at 847-649-5555 or send copies to info@TurfGrassSod.org.

**SHOWCASE YOUR VINTAGE EQUIPMENT IN TAMPA**

Do you have vintage equipment you would like to feature during TPI's 50th Anniversary Field Day, or do you know someone who would like to showcase one of their prized possessions? If so, please contact the TPI office at 847-649-5555 and let us know what antique equipment you want to display. If you need assistance in transporting your vintage equipment let us know. Mike Blair, Farm Manager of Green Velvet Sod Farms, is serving as our Vintage Equipment Coordinator.
Thank You to All TLI 2016 Donors

The Lawn Institute sincerely thanks all members that have donated to The Foundation in 2016. In recognition of the Forever Green, Green Partner and 500 Club members, the lists below recognize those who have donated as of 10/1/16. For more information on how you can support TLI go to http://TheLawnInstitute.org/ and click on SUPPORT TLI.

Forever Green

Hank and Mary Kerfoot (Modern Turf)

Green Partner

All Seasons Grass, Inc.—Irene Gavranovic–Sipes
Bethel Farms—Will Nugent
Biogras Farm—Warren Bell
Brouwer Kesmac—Eric Brouwer
Bucyrus Equipment Company, Inc.—Steven Dover
Coombs Sod Farms, LLC—John Coombs
David Lake Professional Landscape Supply—Eric Heuver
Emerald View Turf Farm—Eddie Keeven, Jr.

Legacy Giving

For more information go to www.TheLawnInstitute.org/page/forevergreen/

500 Club

A-1 Turf Farm—Doyle Anderton
Blue Valley Sod, Inc.—Bob Weerts
BP Turf—Brad Pack
Central Sod Farms of Maryland, Inc.—Tom Warpinski
Chantilly Turf Farms, Inc.—Ray Weekley
Chickasha Sod & Grass Farm—Oscar Nelson
Coosa Valley Turf Farms, LLC—Tom Wolf
Evergreen Turf, Inc.—Jeff Nettleton
Evergreen Turf, Inc.—Jimmy Fox
Evergreen Turf South Africa—Fanus Cloete
Green Acres Turf Farm—Gary Youmans
H & E Sod Nursery, Inc.—Darin Habenicht
Heartland Turf Farms Inc.—Tom Keeven, Sr.
Heritage Turf, Inc.—Ron Nixon
Jacklin Seed—Dr. Doug Brede
JB Instant Lawn, Inc.—Mark Tribbett
Kogelmann's Creek-Side Sod Farm, Inc.—Gary Kogelmann
Landmark Turf & Native Seed—Larry Humphreys
McCall Sod Farm, Inc.—James Maulden
Medina Sod Farms, Inc.—Scott Gregoire
Oregon Turf & Tree Farms—Tom DeArmond
Patten Seed/Super Sod—Ben Copeland, Sr.
Pine Island Turf Nursery, Inc.—Chip Lain
Professional Lawns Ltd.—Alfred Cowburn
R.B. Farms LLC—Robbie Brady
Reid Sod Farm—Randall Reid
Saratoga Seed Farm, Inc.—Steve Griffen
Serecur Turf Inc.—Jim Keeven
Somerset Seed & Soil, Inc.—Andy Hutchison
Southwest Sod Inc.—Matt & Jim Smith
Sumner Sod—Chip Block
TAMANET USA—Angel Lopez
The Turfgrass Group, Inc.—Bill Carraway
Tri-Turf Sod Farms, Inc.—Jason Pooler
Tuckahoe Turf Farms—James Betts
Tulsa Grass & Sod Farms, Inc.—Richard Stenkard
Turf Mountain Sod—Linda Bradley
Turf Mountain Sod—Fred Pittillo
Zander Sod Co. Limited—Claus Zander

2017 Dr. Henry W. Indyk Scholarship

Scholarship Applications for the 2017 Dr. Henry W. Indyk Scholarship are now being accepted. TPI members, their family, their employees, and their employee’s families who will be attending college or graduate school during the 2017-2018 academic year are encouraged to apply. More info: www.TheLawnInstitute.org/pages/science/scholarships/

Research Grant Proposals

The Lawn Institute invites researchers to submit grant proposals for studies that impact turfgrass farmers, distributors and consumers. Submissions will be accepted until 5:00 pm CST on Thursday, December 1, 2016. www.TheLawnInstitute.org/pages/science/research-grants/

Personalize the next page (Helpful Hints from The Lawn Institute) Insert your company’s business address and contact information at www.TheLawnInstitute.org/pages/helpful-hints-from-the-lawn-institute/ to access The Lawn Institute’s easy-to-use template. Then print and share with your customers—it’s free!
BEST MANAGEMENT PRACTICES

Best Management Practices (BMP) incorporate multiple means to not only protect the environment, but have a positive impact on environmental quality that is both sustainable and economically viable.

The term BMP relates to all aspects of lawn and landscape care, combining sound agronomic practices with environmental stewardship to produce and maintain functional green areas that are ecologically sustainable while contributing to human health and well-being.

As it relates specifically to lawns, BMP starts with selection of the best adapted grass species and varieties for the site and its intended uses. That is followed by proper site preparation, lawn installation and establishment methods, and long-term maintenance procedures.

An important component of BMP is environmental stewardship. That includes conservation of water through proper irrigation practices that supply lawn needs without overwatering, and eliminating runoff, thus reducing waste and preserving existing water resources both above and below ground.

BMP focuses on reducing inputs to use all resources in the most efficient manner possible.

It also incorporates Integrated Pest Management (IPM) practices as part of overall ecosystem-based strategies that utilize observation and the least invasive techniques such as modification of cultural practices and adaptations of habitat to minimize the need for pest control materials.

There are a variety of pests that add challenges to maintaining a healthy lawn. They include animals, diseases, insects, and weeds. Most damage initiated by animals happens when they are digging for insects in the lawn. Raccoons, skunks and armadillos are the prime culprits. Most diseases are caused by fungi, which are actually small plants, and other disease organisms. They use the living tissue of desirable plants for their food. Insects cause direct damage to plants by feeding on plant parts. When insects eat too much, the plants die. Insects cause indirect damage when animals tear up the area seeking them for food. Weeds can be unsightly and they can crowd out desirable plants.

The first step in control is recognizing a problem and determining what pest is causing it. The next step is deciding if the pest is causing enough damage to warrant control. In small quantities, any of these pests are fairly inconsequential. In some cases, the best course of action is to take no further steps.

The best way to avoid pest damage is encouraging the growth of healthy grass plants. Whether these plants are in a lawn or other landscaped areas, used as a playing surface for sports, or used for environmental protection or aesthetics along roadsides, if they are healthy they’ll be less bothered by pests.

If pest control is warranted, the next step in IPM is deciding the best control to use. There usually are several choices. They can include cultural or biological controls. They might include pesticides. These can be organic or synthetic. When using any pesticide, it is important to use it properly. Read the label and precisely follow all instructions. This includes mixing the pesticide according to directions, following all safety precautions and applying it under the proper conditions.

BMP focuses on sustainability with lawn care practices that are beneficial to the lawn and the environment. Sustainability incorporates eco-based horticultural practices including water conservation, limited inputs, use of more natural or organic fertilizers and control products, and energy and resource saving strategies such as recycling grass clippings.
BROUWER
4000
AUTOMATIC ROLL SOD HARVESTER

- BROUWER TELEMATICS allows for remote diagnostics, updates, adjustments and monitoring utilizing GSM/GPS communication
- Compact, Maneuverable Automatic Stacking Roll Harvester with a tight turning radius and easy back up capability
- Advanced Cutter Head with 2 roller adjustable down pressure
- Easy to use scrap dump, drops scrap rolls out of the way for next pass
- Lightweight, balanced machine with high floatation on soft ground
- The All Wheel Drive with traction control allows the Auto Drive system to maintain harvest ground speed

HIGH PRODUCTION + LOW MAINTAINANCE = HIGH PROFITS

Watch Video on You Tube
Now featured on a John Deere 6110M Tractor!

- Additional features include improved ground clearance, tighter turning radius and the cab being 4 inches higher for greater visibility
- NEW optional, adjustable front roller for harvesting in varying conditions
- Easy to use scrap dump, drops scrap rolls out of the way for next pass
- Proven automatic flap control keeps the sod roll flaps all in the same set position for a neat and stable pallet
- Optional BROUWER TELEMATICS allows for remote diagnostics, updates, adjustments and monitoring utilizing GSM/GPS communication
This year’s edition contains descriptions of more than 112 pieces of equipment, some of which have multiple model numbers with varying features. There also are over 40 other products. All of these have been developed to improve the turfgrass producer’s efficiency and profitability. Fifteen new and/or updated tools for 2017 kick off this special guide starting on page 13.

Thirty-six supplier members have provided information on aerators, turf vacuums and everything in between. These companies support the ongoing activities and efforts of Turfgrass Producers International. Please give them special consideration when making your next purchase. Please use the Equipment Buyer’s Guide Contents box below to quickly find product categories. Again, this year’s Guide categories coincide with Supplier Category Types in the Membership Directory (printed and online). This should make it easier to find the categories you are familiar with and seeking.

If you have any questions or would like additional details on the products featured in this guide, please contact the suppliers listed on pages 66 and 67. You can also use this listing to see where their advertisements are located. In addition, many companies have provided QR codes by their descriptions or company listing which you can scan with a mobile device to be directly connected to the product or company information on their websites.

Editors’ Note: All claims and statements are those made by the companies submitting the information

NEW FOR 2017

TPI member suppliers have introduced 15 new and/or updated turfgrass production tools for 2017. These include irrigation rotors, mowers, pallet wrapper, parts and supplies, rock remover and sod harvesters. Suppliers continually work on updating and bringing out new products based on your expressed needs and input.

BUYER’S GUIDE CONTENTS

<table>
<thead>
<tr>
<th>Category</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerators</td>
<td>18</td>
</tr>
<tr>
<td>Biostimulants/Soil Amendments</td>
<td>21</td>
</tr>
<tr>
<td>Business Services</td>
<td>22</td>
</tr>
<tr>
<td>Cultivators/Tillers</td>
<td>23</td>
</tr>
<tr>
<td>Fertilizers</td>
<td>26</td>
</tr>
<tr>
<td>Forklifts</td>
<td>27</td>
</tr>
<tr>
<td>Irrigation</td>
<td>29</td>
</tr>
<tr>
<td>Mowers</td>
<td>30</td>
</tr>
<tr>
<td>Netting</td>
<td>35</td>
</tr>
<tr>
<td>Netting Installers</td>
<td>36</td>
</tr>
<tr>
<td>Parts &amp; Supplies</td>
<td>36</td>
</tr>
<tr>
<td>Pesticides</td>
<td>41</td>
</tr>
<tr>
<td>Rock Removal/Rakes</td>
<td>41</td>
</tr>
<tr>
<td>Rollers</td>
<td>42</td>
</tr>
<tr>
<td>Seeders/Planters</td>
<td>43</td>
</tr>
<tr>
<td>Sod Harvester</td>
<td>45</td>
</tr>
<tr>
<td>Sod Installers</td>
<td>55</td>
</tr>
<tr>
<td>Sprayers</td>
<td>57</td>
</tr>
<tr>
<td>Sprigging Equipment</td>
<td>57</td>
</tr>
<tr>
<td>Staples/Tacs</td>
<td>58</td>
</tr>
<tr>
<td>Tires</td>
<td>58</td>
</tr>
<tr>
<td>Topdressers/Spreaders</td>
<td>58</td>
</tr>
<tr>
<td>Tractors</td>
<td>60</td>
</tr>
<tr>
<td>Truck Covers</td>
<td>60</td>
</tr>
<tr>
<td>Vacuums/Sweepers</td>
<td>62</td>
</tr>
</tbody>
</table>
Hunter Industries

NEW FOR 2017

Three-Quarter-Inch Rotors: PGP-04-PRB, I-20-04-PRB, I-20-06-PRB

World’s Best ¾-inch Rotors Now Equipped to Handle High Pressures. Hunter Industries is proud to introduce the Pressure Regulated Body for the PGP-04 and I-20 rotors. The pressure-regulated bodies will take incoming pressures of 50-100 PSI and reduce them to 45 PSI. The Hunter PRB rotors allow the nozzles to operate at peak efficiency. Having the pressure regulator in the body allows it to remain in place and functional even if the original riser is removed and replaced for service.

For details, see: http://www.hunterindustries.com/irrigation-product/rotors/pgp-ultra-i-20-prb.

MOWERS

Progressive Turf Equipment, Inc.

NEW FOR 2017

Next Generation TD92/TD92G Tri-Deck Finishing Mower (New Models)

Progressive’s TD92 tri-deck finishing mower has been long regarded as the benchmark of the turfgrass production industry. With a cutting swath of 22-feet and a cut quality that is second to none, the TD92 is the most productive and cost effective mowing system available today and offers dependable, long-term service.

Following extensive customer input, the Next Generation TD92 / TD92G has several new features that will both further enhance operation and reduce long term ownership cost. The TD92 /TD92G also retain many of the same components and design features that have been field proven on over 2,100 older TD92’s! Proudly built in North America, there will be two versions of the Next Generation TD92 available, the TD92G with galvanized bolt-on deck shells or the TD92 with painted, bolt-on deck shells.

For more information on all the new features see www.progressiveturfequip.com/td92_ps_details.php.

Progressive Turf Equipment, Inc.

NEW FOR 2017

Next Generation PM-36/PM-36G Tri-Deck Finishing Mower (New Models)

Since 2001, the Pro-Max 36 mowing system has been the go-to mower for large scale turfgrass producers. Progressive Turf Equipment is pleased to announce an evolution to the ‘front half’ of the Pro-Max 36 mowing system: the PM-36. Responding to customer suggestions, several new features have been implemented that will enhance operation and reduce long term ownership costs. This includes maintenance free blade spindles and 100 hour greasing interval deck PTO shafts. The Next Generation PM-36 retains many of the same components and design features that have been field proven on the previous PM-36. It also includes several enhanced features that were recently announced for the Next Generation TD92.

The Next Generation PM-36 is proudly built in North America. There will be two versions of the PM-36 available, the PM-36G with galvanized bolt-on deck shells or the PM-36 with painted, bolt-on deck shells.

For details, see: http://www.progressiveturfequip.com/pm36_ps_details.php.
Progressive Turf Equipment, Inc.

NEW FOR 2017
SLOPE-PRO® High Drive, Remote Controlled Mower (New Model)
The SLOPE-PRO® is a game changing step forward in operator safety and steep slope productivity. It features an ultra-low center of gravity for good stability and maneuverability while allowing the mower to cut on side slopes as steep as 50-degrees. The SLOPE-PRO® has a new HIGH-DRIVE track system that elevates the drive motors out of harm’s way and puts more track on the ground, providing significant advantages over other rubber track or wheel based slope mower designs. Several of the features and technology found in the SLOPE-PRO® are also found in our wide-area turf mowers, and vice versa. Progressive’s drive to reduce maintenance requirements and the cost of operation: reducing the number of grease points, extending PTO greasing intervals, and incorporating features such as maintenance free blade spindles—are just some of the game changing features shared across all of our models, benefitting every Progressive customer. For details see: http://www.progressiveturfequip.com/SLOPE-PRO/.

Progressive Turf Equipment, Inc.

NEW FOR 2017
Pro-Flex 120B Automatic Lock Valve (New Feature)
More producers are diversifying their operations and are now laying the turf they produce. Often they are required to maintain the newly installed turf for the first few months. Trouble arises when the site isn’t flat and their existing mowers are not suitable. Enter Progressive’s Pro-Flex 120B contour mower. With a 10-ft. wide cut and five independently floating decks, the Pro-Flex 120B is built with Progressive’s renowned dependability and attention to detail. Pulled by a 30-40-hp tractor, the Pro-Flex 120B can cut changing contours and large areas without the need for an expensive ride-on mower. Minimizing operating cost, the Pro-Flex 120B is equipped with rubber-damped, automatic belt tensioners and maintenance free blade spindles. New in 2016 is an Automatic Wing Lock Valve that makes operation of the Pro-Flex 120B easier than ever before, as the operator no longer needs to manually lock the wings for mowing! For details see: http://www.progressiveturfequip.com/pf120b_ss_details.php.

Trimax Mowing Systems

NEW FOR 2017
Pegasus S4
After fifteen years of leading the market, Pegasus has established itself as the benchmark in wide-area rotary mowing for Turf and Sod farms, parks, reserves, and sport fields. Available in 16 ft. (4.9m) and 20 ft. (6.1m) widths, the Pegasus S4 is our latest exceptionally low-maintenance trailed rotary mower. Building on 15 years of Pegasus innovation, we’ve spent the last 12 months in R&D innovating how to make mowing more efficient. The result—the new Pegasus Series 4 mower that offers 28 percent less grease points and incredibly 41 percent less maintenance costs compared to our famous S3. Boasting SteadFast™ maintenance free spindles, RapidSet™ height adjustment, a market leading three-year warranty and the most precise and versatile cutting experience. Ask for your demo today and see how Pegasus can transform your sod farm. www.trimaxmowers.com
PALLETS

Nannings van Vuuren

NEW FOR 2017

**Tymak Pallet Wrapper**

Recently developed, the Nannings van Vuuren pallet wrapper, model Tymak, gives a high quality stable wrapped pallet of turf. The wrapper works equally well with plastic film or netting. It is controlled from the cab. Due to the compact build of the pallet wrapper you can load a pallet of turf directly in the truck. The wrapper will be delivered custom made to mount directly on a forklift or loader (hydraulic hoses included). Wrap pallet size: 32-in. x 48-in. (0.80m x 1.20m), 40-in. x 48-in. (1.00m x 1.20m), 48-in. x 48-in. (1.20m x 1.20m).

PARTS & SUPPLIES

Progressive Turf Equipment, Inc.

NEW FOR 2017

**PRO-EZ II Change™ Blade System (New Feature)**

Building upon the overwhelming market acceptance of the original PRO-EZ Change™ Blade system, introduced in 2012, Progressive is pleased to announce a new flat-profile fastener. The new PRO-EZ II Change™ Blade system offers extended service life and simpler assembly as it eliminates a separate spacer and flat-washer, and requires only one wrench to install. For added convenience, the new fastener has NC threads, so you won’t need metric tools! The same long-life replaceable blade tips are used, ensuring low operating cost and a superior cut quality. All genuine Progressive blades, bars, fasteners and PRO-EZ tips are designed and manufactured in compliance with the applicable safety standards that are published by such organizations as ANSI and ASABE. Progressive has never endorsed a third party blade for use on our mowers as we cannot control their quality or certify that the blade, or its components, meets the relevant standards.

ROCK REMOVAL/RAKES

Kongskilde Industries, Inc.

NEW FOR 2017

**Stonebear Model 2.60 Rock Picker**

Kongskilde’s experience is reflected in the new Stonebear 2.60 model rock picker which provides high capacity and a heavy duty design to meet the challenges of stone removal. The Stonebear 2.60 has a working width of 20 feet and the ability to pick up to 20-inch diameter stones. The patented, easy to change, rock screens allow stones as small as 1.2 inches to be collected. The hopper capacity is 3 cu. yards, approximately 5 tons of stones. The Stonebear 2.60 unique feature is the ability to dump the hopper at two different heights – 7-ft. or 10-ft. so various trucks or trailers can be utilized. For more information, please visit the KONGSKILDE website: www.kongskilde.com/agriculture.
Brouwer Kesmac

NEW FOR 2017

NEW Brouwer 4000 Automatic Roll Sod Harvester

The NEW Brouwer 4000 raises the standard, blending our 50 years of sod harvesting design, manufacturing and technology with automated functions designed for efficiency and precision.

- Operator can make in-cab adjustments for several functions, ensuring the best quality rolls and a perfectly-stacked, stable pallet
- Advanced Cutter Head design with two rollers and adjustable down pressure
- Well-balanced with a light footprint
- Compact and maneuverable with a tight turning radius
- Only 18,641 lbs. (8,455kg) on large floatation tires
- Precise Automatic Flap Control ensures a perfect, stable pallet
- Fuel-efficient Caterpillar 1-4 / 269 cu. in. / 127 hp engine delivers dependable, economical power
- Hydrostatic drive, with cruise control, allows operator to match ground speed with optimum harvesting speed
- John Deere air-conditioned cab offers a quiet ride with excellent visibility, and a rear camera for additional safety
- Brouwer Telematics allows our factory technicians to perform remote diagnostics, updates, adjustments and monitoring utilizing GMS/GPS communication

Brouwer Kesmac

NEW FOR 2017

NEW Brouwer RoboMax JD Automatic Roll Sod Harvester

The NEW Brouwer RoboMax JD is now featured on a John Deere 6110M Tractor!

FEATURES:

- Additional ground clearance
- Shorter turning radius
- Higher seating position for greater visibility
- Optional, adjustable front roller for perfect cutting quality and increased floatation in varying conditions, ideal for soft and wet conditions like peat soils
- Patented and proven Automatic Flap Control keeps the sod roll flaps consistent for a perfect and stable pallet
- On-the-go bad roll scrap ejection, drops scrap away from the turf
- Variety of precision stacking patterns
- On-the-go pallet drop or can be easily backed out of the way of the cut line
- Wide profile tires for additional floatation
- Available in 16 in., 23 in., and 24 in. cutting widths
- Easy and economical to operate
- Optional Brouwer Telematics allows our factory technicians to perform remote diagnostics, updates, adjustments and monitoring utilizing GMS/GPS communication

Brouwer Kesmac

NEW FOR 2017

NEW Brouwer RoboMax JD Multiple Stacking Configurations

The NEW RoboMax JD can harvest 16, 23 or 24 inch cutting widths. The newest innovation includes the ability to stack multiple configurations on different pallet sizes. Stacking configurations for pallet sizes of 48-in. x 48-in. (1.2m x 1.2m), 40-in. x 48-in. (1.0m x 1.2m) and 32-in. x 48-in. (0.8m x 1.2m).
FireFly Equipment

NEW FOR 2017

FireFly Equipment’s ProSlab 155 GPS Guidance

When opening up a new sod field, turf producers know it’s crucial to cut a straight first row. Until now, that initial cut had to be done manually, even with harvesters equipped with automatic steering. FireFly’s ProSlab 155 turf harvester now offers GPS guidance by Trimble Autopilot. The factory integrated guidance system gives you the ability to open fields and harvest anywhere in the field with perfectly straight lines—even in rolling terrain, slopes, and rough ground.

Accurate rows improve profitability. You can harvest more turf out of the field, increasing your yield. The ProSlab’s guidance system automatically steers the harvester on line with maximum precision. When it gets off the path, Autopilot signals it to adjust its position to follow the correct line.

Precision harvesting also aids in regrow from ribbon fields and reduces operator fatigue. GPS guidance is just another way FireFly stands for “Automation made simple.”

Trebro Manufacturing, Inc.

NEW FOR 2017

New TSR Automatic Stacking Roll Turf Harvester

Trebro Manufacturing Inc. is pleased to introduce the all new TSR automatic stacking roll turf harvester. This revolutionary new machine incorporates proven Trebro technology coupled with many new and innovative features. Powered by a 140-horsepower John Deere engine with all wheel hydrostatic drive, this rugged machine can handle a wide variety of harvesting conditions. A quiet, comfortable operators cab rotates 90-degrees to place the operator in the best position to see all harvesting and stacking functions. Multiple cutting widths are available including 16-inch, 23-inch and 24-inch. The reliable time-tested Trebro stacking system, along with a new automatic roll flap positioning system, results in neat, stable stacks. A unique, cross-conveyor scrap dump places scrap sod out of the way for the next pass or accumulates and discards scrap sod at the end of the field. The pallet injector holds 20 empty pallets with an on-the-go pallet exchange to increase harvesting efficiency.

Trebro Manufacturing Inc.

NEW FOR 2017

New TSS Automatic Stacking Slab Harvester

The all new Trebro TSS automatic stacking slab harvester incorporates proven Trebro technology with many new and innovative features. Powered by a 140-horsepower John Deere engine, with all wheel hydrostatic drive, this rugged machine can handle a wide variety of harvesting conditions. A quiet, comfortable, operators cab rotates 90-degrees, to place the operator in the best position to see all the harvesting and stacking functions. A variety of cutting widths are available including: 16, 21, 23, or 24 inch. A unique, cross-conveyor scrap dump places scrap sod out of the way for the next pass or accumulates and discards scrap sod at the end of the field. Neat, stable stacks of turf are consistently produced thanks to the cross-stacking pattern. The pallet injector holds 20 empty pallets with an on-the-go pallet exchange. The TSS Slab has a 16-inch dual chop-off system for efficient production of 16-by-24-inch slabs.
AERATORS

**Brouwer Kesmac**

*Brouwer Aerator*

- Punctures surface to root level while maintaining ability to harvest or use turf immediately
- Allows water, air, fertilizer and chemicals to penetrate turf for more efficient use of fertilizer and pesticides
- Follows ground contours
- Special spikes for golf courses
- Heavy duty frame
- Depth Control
- Single lift cylinder for easy transport
- Simple and durable design
- Only a mid-size tractor required
- 6 inch teeth spacing for aeration
- Can be used multiple times each year
- Available in 8-ft. and 12-ft. models

**Campey Imants**

*KORO® Recycling Dresser*

The KORO® Recycling Dresser (RCD) aerates the underlying soil vertically and horizontally, removing soil from the root zone and redistributing it across the surface. Layering and compaction are eliminated, biological activity is increased and existing fertilizers in the soil are better utilized. The KORO RCD reduces the amount of new topdressing required, therefore saving labor and material costs and promoting sustainable, environmentally-friendly maintenance. Three models are available: 1600, 1900 and 2200. For details, see: [www.campeyimants.com](http://www.campeyimants.com).

**Campey Imants**

*Imants ShockWave*

The ShockWave is a linear decompactor, designed to revitalize heavy wear areas by relieving soil compaction, improving aeration and removing surface water. The ShockWave is reputed to be the world’s fastest PTO driven rotary, linear decompactor. All ShockWave models feature a no-chains, direct drive design, maintenance free “sealed for life” bearings and no shearbolts. For details, see: [www.campeyimants.com](http://www.campeyimants.com).

**First Products, Inc.**

*AGRI-Vator*

The First Products AGRI-Vator uses a patented vibrating action to loosen and break up the soil without destroying existing turf on the surface. This unit will aerate, seed and accomplish renovations on all types of fields including sod, hay production and sports fields. The crushing action between the roots breaks up the soil in the root zone significantly improving infiltration of air, nutrients and water. That causes as much as 30 percent faster regrowth by stimulating the rhizomes under the surface, an advantage for producers looking for greater utilization of the rhizomes they already own. The AGRI-Vator minimizes lake and stream pollution due to runoff. The operator can vary the tine aggressiveness by changing the PTO and ground speed. Year after year, the AGRI-Vator has proven itself to be the “most versatile piece of equipment on the farm.” For more information, visit [www.1stproducts.com](http://www.1stproducts.com).
First Products, Inc.
**AGRI-Vator with Seed Box Option**

As seeding rates and re-growth methods change, producers seek ways to stay abreast of new products and technology to save time and money. The AGRI-Vator seed box option allows a new method of minimal seeding. By running the AGRI-Vator after harvest to stimulate regrowth, the optional seed-box allows producers to seed at a ten to twenty percent reduced seed rate. The lower rate saves on seed cost while allowing producers to continually introduce new seed varieties into existing turf crops and provide faster regrowth and faster harvest by cultivating the soil with the AGRI-Vator. The AGRI-Vator is available in 6-, 8-, and 12-foot widths. For more information, visit [www.1stproducts.com](http://www.1stproducts.com).

Redexim North America

**Verti-Drain 7521**

The Verti-Drain 7521 incorporates all the innovative technology of the second generation Verti-Drain line. This makes it the first choice for anyone looking for a full 16-in. deep penetration and high productivity up to 49,800 sq. ft./hr. Available with a three-speed gearbox that will match up to any tractor. This unit is widely used by contractors and golf clubs on all areas, including greens, where ½-in. tines can be fitted at 2 ½-in. centers. For customers wishing to transport their 75 Series Verti-Drain on highways, a retro-fit bogie wheel system is available.

Redexim North America

**Verti-Drain 7526**

The Verti-Drain 7526 Series is the first choice for anyone looking for a full 16-in. deep penetration and high productivity up to 61,400 sq. ft./hr. Available with a three-speed gearbox that will match up to any tractor. The Verti-Drain 7526 comes into its own in large open spaces, which includes fairways as well as, football, soccer and baseball fields. The standard ¾-in. diameter, 12-in. long solid tines can be replaced with a variety of solid or hollow tines. For customers wishing to transport their 75 Series Verti-Drain on highways, a retro-fit bogie wheel system is available.

Redexim North America

**Verti-Drain 7626**

The 7626 is the heaviest and toughest Verti-Drain on the market. It is the ideal machine for the toughest of soil conditions, where a high productivity is needed. It weighs considerably more than the 75-series, and it has a heavier gearbox, PTO and rear roller support. Its adjustments have been made simpler. The tine-depth adjustments are made comfortably from the tractor seat via the hydraulic controls, while the original amount of ‘heave’ on the tine is left intact. The optional wheel support is constructed extra robustly, while it falls within the 104-in. (2.6m) working width of the Verti-Drain. The forward speed is faster than that of the 75-series.

Redexim North America

**Verti-Drain 2220**

The new Verti-Drain 2220 is our fastest deep tine Verti-drain, running up to speeds of 3.34 mph in larger areas. The Verti-Drain 2220 is both fast and strong, penetrating nine inches into the soil. The 2220 is also a versatile machine that can be utilized on virtually all types of turf from roughs to greens. The depth adjustments are done from the tractor chair and the adjustments of the front and rear rollers are done hydraulically.

Redexim North America

**Verti-Core 1600**

For a top quality aerator at an affordable price, look no further than the Redexim Verti-Core 1600. With working speeds up to 3.5 mph, the Redexim Verti-Core saves time and money and is one of the fastest aerators on the market today. Robust construction combined with simple adjustments makes the Verti-Core reliable and easy to use. Fewer moving parts insure simple service and less maintenance. A wide variety of tines are available.
AERATORS

Redexim North America

Level-Spike 1700
The Level-Spike 1700, with optional 4 types of knives and spoon tines, improves the soil drainage. The rear roller assures a safe operation, and its adjustment sets the working depth accurately. The Level-Spike is built tough and can be operated at speeds of 8.7 mph or more. The choice of available widths enables the customer to match the machine to their tractor and their specific requirements. There is an exceptionally wide range of knife options. There is an optional hydraulic weight transfer system which utilizes the tractor’s hydraulics to force the tines into the ground providing maximum aeration and drainage.

Redexim North America

Level-Spike 2200
The Level-Spike 2200 is the wider version of the Level-Spike. The Level-Spike 2000 can drastically improve the drainage of the turf and is available with optional 4 types of knives and spoon tine. This wide range of knife options makes the Level-Spike applicable to a range of types of turf surfaces. The depth level is controlled by the rear roller that also stabilizes the machine for safe operation. The Level-Spike is a fast and durable machine that can be operated at speeds of 8.7 mph or more. For maximum aeration and drainage there is also an optional hydraulic weight transfer system which utilizes the tractor’s hydraulics to force the tines into the ground.

Redexim North America

Verti-Quake 2516
The Verti-Quake 2516 is a rotary aerator that decompacts the soil using a set of rotating steel blades. As these blades cut cleanly through the soil, they create a wave action that shatters compacted areas and opens up the subsoil. The Verti-Quake is available in two different models and can work at depths up to 10-in. (254mm) with little or no surface disruption.

Redexim North America

Verti-Quake 2521
The Verti-Quake 2521 is the larger of the two Verti-Quakes. The Verti-Quake is a rotary aerator that uses a set of rotating steel blades to decompact the soil. The blades of the 2521 slice cleanly through the soil creating a wave action that shatters compacted areas and opens up the subsoil. The Verti-Quake 2521 can operate at depths up to 10-in. (254mm) with minimal surface disturbance.

Redexim North America

SandMaster 2000
The SandMaster is a one-pass aerator and slit drainage machine that allows the use of wet or dry sand, gravel or other soil amendments. The SandMaster mounted behind the GroundBreaker will create deep slits using vibrating coulter knives that leave playing fields ready for play.

Sales Midwest, Inc.

New and Used Aerator
Sales Midwest offers an assortment of new and used aerators. Featured is First Products Agri-Vator used to aerate, relieve compaction and renovate turfgrass farms, other turfgrass areas, pastures and hay fields. It is available in 6-ft., 8-ft. and 12-ft. widths. Visit www.salesmidwest.com, email tim@salesmidwest.com, or call 913-254-9560 for more details.
Aqua-Yield

*Crop Improvement Products*

Aqua-Yield technology represents an exciting innovation in horticultural and agricultural technology. The technology delivers nutrition and crop protection products directly into the plant cell in a truly unique fashion. Although the technology is new, excellent results have already been demonstrated in turfgrass production. As Aqua-Yield moves forward, this technology will be utilized to improve production and protection of a wide variety of crops. Because Aqua-Yield delivers fertilizer and other crop products more efficiently, the end user gets better results with less input. For more information, visit [www.aquayield.com](http://www.aquayield.com).

Harrall’s, LLC

*Bio-MAX® EarthMAX®*

EarthMAX® is a unique humic/fulvic acid product, produced through a one of a kind cold water extraction process. Unlike the sterilizing alkaline hydrolysis of leonardite shale associated with most humic acid products, the EarthMAX® process preserves all of the beneficial biology inherent in the natural resource.

Magnation Water Technologies

*Turfbolt™*

Transform water quality with Magnation’s powerful Turfbolt™ to a more vibrant, productive and energized state. Eliminate dry spots and improve soil infiltration, improve moisture retention and boost soil health—resulting in better quality and denser, safer and greener turf with 20 percent less water. Reduce chemicals, fertilizers and inputs by 10 percent. Save energy while also keeping sprinkler emitters and hoses free of mineral scale buildup. Excellent for sprinklers and hoses, and can be used in seeders and fertigation. Available sizes include ¾-in., 1-in. and 1.25-in., and come in hose and NPT threads. Easy to use and long lasting, ROI is typically within one year. With a usual lifespan of 10-15 years, enjoy the benefits year after year. Magnation enables you to do more with less, sustainably. Chemical-free, energy-free and maintenance-free—and zero byproducts.

Timac Agro USA, Inc.

*No Stunt For Turfgrass*

Herbicides stunt your turfgrass production most every time you apply them for weed control. Adding the new No Stunt For Turfgrass will substantially reduce the stunting of the root system and enable the grass to continue growth. Specifically designed to be used with herbicides to promote optimal root growth, No Stunt does NOT contain Fertiactyl GZ. No Stunt also contains some of Timac Agro’s fertilizer technology to deliver nutrients and stimulate plant growth while in the presence of herbicide. No Stunt For Turfgrass may be used with both contact and residual herbicides. It is available throughout the USA. For further information, visit [www.us.timacagro.com](http://www.us.timacagro.com) or [www.rouiler.com](http://www.rouiler.com).
BUSINESS SERVICES

Cameron Financial

**Equipment Leasing & Financing Specialists**

“We’ve got your equipment needs covered,” states Cameron Financial. Since its inception in 1992, the company has arranged leasing and financing solutions for customers in need of equipment throughout the United States. “Our experience extends to helping in all types of agricultural commodities, including the sod industry. When you work with us, you gain access to unique financing experience that’s different from the rest,” Cameron Financial states. Visit www.cameronleasing.com for more information.

FedEx Office

**FedEx Office Discount Benefit for TPI Members**

Save on all your printing needs with the TPI FedEx Office Discount. The sooner you sign up for your discount, the faster you can start saving. Turfgrass Producers International and FedEx Office have established a member discount agreement that’s sure to be a big benefit for you and your business. Membership in TPI provides you FedEx Office quality and expertise for the business services you use most. TPI special rates apply to a wide range of printing services and products, including:

- Lawn Signs
- Pamphlets
- Signs/Banners
- Flyers
- Business Proposals
- and much more!

For more information on how to save go to TurfGrassSod.org, “For Members’ tab, ‘Member Benefits & Programs’

Sod Production Services

**Consulting; Sprigging; Harvesting**

Sod Production Services, a division of Riverside Turf, provides agronomic and farm operations consulting, sprigging and harvesting services for sod producers nationwide. We consult with both new and existing farms to streamline processes and help your farm succeed. From administration, technology and operational systems, to marketing programs and sales force hiring and training, Sod Production Services offers comprehensive farm management protocols to partner with you through the entire sales cycle. Sod Production Services can help identify the best grass for your soil and market area, help define planting parameters and planting rates, and assist in farm design and sprigging, with an expertise developing protocols for growing high-end grasses for sports fields and golf courses. Along with consulting services, Sod Production Services is the exclusive licensing agent for PremierPRO Bermudagrass. For more information, visit http://sodproductionservices.com.

Rainlike Water

**Improved soil penetration**

Use 20% less water

Enhanced distribution

**Bust salts & balance soil**

Greener, denser turf

Improved soil & turf health

**Better flow, save energy**

Less chemicals & biocides

Scale control & drift control

888 820 0363

RainlikeWater.com

MAGNATION®

WATER TECHNOLOGIES • MADE IN USA

---

**TPI Turf News** November/December 2016
CULTIVATORS/TILLERS

Campey Imants
KORO® FIELDTOPMAKER®
The KORO® FIELDTOPMAKER® (FTM) is available in four working widths, with the 2000 and 2500 models ideal for sprig harvesting (when fitted with the patented Universe® rotor), sod removal, or sports field fraze mowing to encourage healthier grass plants. Micro adjustment of the depth allows for precise setting for organic surface removal. The side arm conveyor removes debris directly into a trailer, leaving a level, even surface. For details, see: www.campeyimants.com.

Northwest Tillers
Turf Tiller
If you are looking for a reverse or forward tiller, you should take a look at the Northwest Turf Tiller. It eliminates your sod ribbons while giving you a superior seed surface for greater germination in ONE PASS. The Northwest Turf Tiller is extremely heavy-duty. Models start at 7 feet and go to 16 feet in one foot increments. Standard features include: the oil cooler, hard-faced blades, plastic liner, and the finger bar behind the blades. Northwest Tillers has been manufacturing tillers for over 60 years. We offer the only Turf Tiller made in the United States, so parts are just a telephone call away. We have dealers throughout the U.S.A. If you are looking for a dependable, extremely heavy-duty machine, and parts within 24 hours, Northwest Tillers is your only choice. For more information, call 1-800-204-3122 or visit www.northwesttiller.com.
**ANNUAL EQUIPMENT & PRODUCT BUYER’S GUIDE**

**CULTIVATORS/TILLERS**

**Redexim North America**

**StoneBurier 180**
The StoneBurier 180 is the ideal machine to prepare a smooth seed bed in any type of soil, including heavy native soils and hard clay, whether in the presence of stones or compacted layering. The StoneBurier makes it possible to place stones, grass and other materials deep into the ground leaving finely tilled soil on the surface.

**Redexim North America**

**StoneBurier 210**
The StoneBurier 210 is a great machine to create a smooth seeding surface on virtually any kind of soil or turf. The StoneBurier 210 easily takes stones, grass and other materials and places them deep into the ground leaving behind finely tilled soil perfect for seeding.

**Redexim North America**

**StoneBurier 250**
The StoneBurier 250 is the perfect machine to till nearly any surface into a smooth seedbed. The StoneBurier 250 can handle any soil including heavy native soils and hard clay, whether in the presence of stones or compacted layering. The 250 can drive stones, grass and other materials deep into the ground leaving finely tilled soil on the surface.

**Redexim North America**

**StoneBurier 300**
The StoneBurier 300 is a heavy duty machine that takes even the hardest turf surfaces and tills them to a smooth seed bed in any type of soil, including heavy native soils and hard clay, whether in the presence of stones or compacted layering. The StoneBurier can place stones, grass and other materials deep into the ground leaving finely tilled soil on the surface.

**Redexim North America**

**Turf Stripper 2000**
The Turf Stripper is used to mow, level, de-thatch, and renovate turf areas, as well as to harvest sprigs. It is ideal for use on golf courses, sports fields, and sod farms. Its rotary action removes material and deflects it onto a conveyor system to be hauled away. An optional verti-cut blade kit can also be installed. The machine is highly productive and can be adjusted in small increments.

**Sales Midwest, Inc.**

**New and Used Cultivators/Tillers**
Sales Midwest offers an assortment of new and used cultivators and tillers. Featured is the Rotadairon Soil Renovator with reverse rotation blades, screening rods, grader blade, and packer roller. Able to perform several functions at once, the company calls it the most efficient seed bed preparation unit available.
Visit [www.salesmidwest.com](http://www.salesmidwest.com), email tim@salesmidwest.com, or call 913-254-9560 for more details.
KWMI Equipment is engineered to withstand the most demanding conditions in the turf industry. Our heavy-duty construction along with the best components money can buy makes our equipment superior. KWMI Equipment offers unique features that make jobs easier and you more productive thereby lowering your cost.

Simply put, KWMI is today’s leading provider of innovative, easy to use turf equipment, and we do it all at affordable prices! Whether your need is for harvesting, installing, or sprigging turf grass, KWMI is the name you can trust for your turf equipment needs.

We understand that keeping your KWMI Equipment on the job is a main priority, so we have a fully-stocked parts and consumables inventory, and will promptly ship any item you need.
FERTILIZERS

Aqua-Yield

*Fertilizer Products*

Aqua-Yield technology represents an exciting innovation in horticultural and agricultural technology. The technology delivers nutrition and crop protection products directly into the plant cell in a truly unique fashion. Although the technology is new, excellent results have already been demonstrated in turfgrass production. As Aqua-Yield moves forward, this technology will be utilized to improve production and protection of a wide variety of crops. Because Aqua-Yield delivers fertilizer and other crop products more efficiently, the end user gets better results with less input. For more information, visit [www.aquayield.com](http://www.aquayield.com).

Compass Minerals

*Protassium+™*

Protassium+™ premium sulfate of potash (0-0-50-17S) from Compass Minerals delivers high potassium and sulfate sulfur, with virtually no chloride and a low salt index. It helps increase root health and drought tolerance, all while preventing turf burn. The high-chloride content found in other K sources often increases stress. Avoid the detrimental effects of chloride, and try Protassium+. It has the nutrition vital to building resilience and overall strength. And, for your convenience, it comes in versatile sizes including Turf, Mini, Greens Grade, and Soluble Fines. Visit [ProtassiumPlus.com](http://ProtassiumPlus.com) to learn more.

Harrell’s, LLC

*POLYON® Controlled-Release Fertilizer*

For 25 years, POLYON® fertilizer from Harrell’s LLC has been America’s premier controlled-release fertilizer for the turf industry. Used with confidence for its predictable performance, labor-saving and earth-friendly benefits. Supported by relationship-driven sales and technology professionals 100 percent committed to helping you achieve the best possible results. No fertilizer on the market feeds your success like POLYON® fertilizer. Visit [www.harrells.com](http://www.harrells.com) for more information.

Lebanon Turf Products

*Meth-Ex®-40 slow release Nitrogen*

The most efficient methylene urea available today, Meth-Ex®-40 is a nitrogen source that provides extended microbial release without the need for coatings. Microbial release, dependent upon soil moisture and soil temperature, allows nitrogen to be released when the turf needs it most. The result is color response, often the same day of application, minimal surge growth and maximum long-term response. Meth-Ex®-40 may be used as a slow-release component of complete fertilizers or may be applied straight for long-term Nitrogen feedings. For more information, visit [www.lebturf.com](http://www.lebturf.com).
FERTILIZERS

Redox Chemicals, LLC

Flowable Fertilizers

Rootex Flowable is a reacted plant nutrient high in phosphorus that stimulates root growth due to the phosphorus and L-amino acid content. **Rootex Flowable** is second to none in growing roots for both warm-season and cool-season varieties of sod.

**Key benefits:**
- Optimum root growth stimulation
- Efficient P nutrition due to resistance to tie-up
- Excellent environmental impact profile

**diKαP Flowable** is a reacted plant nutrient product high in Potassium and Phosphate that is unique in its ability to promote phenol compounds (anti-oxidants). By increasing the antioxidants in the plant, it neutralizes the negative effects of oxygen-free radicals. This leads to a more robust and healthier turf that is less susceptible to disease and pest pressure.

**Key benefits:**
- Reduced oxidative stress, particularly in extreme temperatures and water-related stress
- Highly efficient Potassium and Phosphate nutrition
- Compliments conventional integrated pest management strategies

For more information, visit [www.redoxchem.com](http://www.redoxchem.com).

FORKLIFTS

Brouwer Kesmac

**Kesmac Lift 4500F/5000F/5500F Series with Automatic Transmission**

F-Series Truck Mounted Forklifts (F=Fixed Leg) are available in 4500, 5000 & 5500 lb. capacities. The shortest trailer overhang in the industry, less than 47 inches, locates the weight closer to the axle/ deck. The Forklifts are powered by a 47 hp turbo diesel Kubota engine. Our hydrostatic 3-wheel drive, with Posi-Trac, offers the ability to get into and out of difficult places. The 3-wheel brake option comes standard on the 5500 lbs. model. Fingertip direction control and inching pedal give easy, precise control. The See-Through 2-Stage Mast with 10-ft. lift height is standard and 6 and 12-foot lift heights are also available. Kesmac Air Operated Mounting Kits attach to the frame of the trailer, sliding out to support the forklift by the chassis from underneath. The F-Series can be fitted to mount on many existing Pad or Hook Mount trailers. A full line of tire options are also available.

Brouwer Kesmac

**Kesmac Lift 4500R/5000R Series with Automatic Transmission**

R-Series Truck Mounted Forklifts (R=Retractable Leg) are available in 4500 and 5000 lb. capacities. They have the same features of the F-Series with the additional ability to retract the front legs and wheels for mounting on West Coast, Drop Deck or any trailer with the rear axle all the way to the back. The Kesmac Swing Mount kit does not protrude under the trailer. The Swing arms are powered into position utilizing the air tank of the trailer. A full line of tire options are also available to suit all requirements.
FORKLIFTS

Master Craft Industrial Equipment Corp.

Rough Terrain Lifts
Master Craft and Cat-Series 2wd or 4wd Rough Terrain Lifts are now available with the new design. The new narrow counterweight in the back allows for better visibility of the steer tires, better visibility when backing up and an overall more modern look.
We use the same components from the 416 CAT Loader backhoe, Tier 3 CAT 96 HP/or Perkins engine, CAT Transmission, CAT drive axle and 4wd CAT steer axle, plus numerous other CAT components, producing lifts with 70 percent CAT content. Additionally, the new 5,000- to 8,000-lb. sod lifts use the same components as the Master Craft 12,000-lb. industrial size lift trucks.
Also new—previous options now have been added as standard equipment: load backrest, deluxe suspension adjustable seat, heavy-duty B-3 rear steer spindle upgrade, 6-in. mast side shift, and even the brake and gas pedal design have been modified.
For more information, visit www.mastercraftforklift.com.

Sales Midwest, Inc.

New and Used Forklifts
Sales Midwest offers an assortment of new and used forklifts. Featured products include Donkey/Burro Truck Carried Forklifts, lightweight truck carried forklifts that are easy to operate and maintain. Various lift capacities are available.
Visit www.salesmidwest.com, email tim@salesmidwest.com, or call 913-254-9560 for more details.

Trebro Manufacturing, Inc.

LoadMac Forklift
Trebro’s new LoadMac truck mounted forklift is designed to streamline operations and improve productivity. The LoadMac offers the same durability, superior maneuverability, maximized visibility and operator comfort shared by all Trebro equipment.
Powered by a 49 hp Yanmar diesel engine with all-wheel hydrostatic drive, the LoadMac will quickly expedite the process of unloading and transporting pallets on rough terrain. The 5,500-lb. lifting capacity can handle a wide variety of goods, including sod, brick, lumber and other building materials.
The Trebro LoadMac Forklift will also fit most types of truck mounting kits.
Other features include:
• Rubber mounted ROPS/FOPS cab
• Autophoretic PVDC undercoat
• Recessed LED 24 v road lights
• Two-year warranty
• One-Side extended reach offload option (ISR)
• Multi-directional steering option
For more information, please go to www.trebro.com.
**IRRIGATION**

**Hunter Industries**  
**Three-Quarter-Inch Rotors: PGP-04-PRB, I-20-04-PRB, I-20-06-PRB**  
World’s Best \(\frac{3}{4}\)-inch Rotors Now Equipped to Handle High Pressures. Hunter Industries is proud to introduce the Pressure Regulated Body for the PGP-04 and I-20 rotors. The pressure-regulated bodies will take incoming pressures of 50-100 PSI and reduce them to 45 PSI. The Hunter PRB rotors allow the nozzles to operate at peak efficiency. Having the pressure regulator in the body allows it to remain in place and functional even if the original riser is removed and replaced for service.  

---

**Magnation Water Technologies**  
**Turfbolt™**  
Transform water quality with Magnation’s powerful Turfbolt™ to a more vibrant, productive and energized state. Eliminate dry spots and improve soil infiltration, improve moisture retention and boost soil health—resulting in better quality and denser, safer and greener turf with 20 percent less water. Reduce chemicals, fertilizers and inputs by 10 percent. Save energy while also keeping sprinkler emitters and hoses free of mineral scale buildup. Excellent for sprinklers and hoses, and can be used in seeders and fertigation.  
Available sizes include \(\frac{3}{4}\)-in., 1-in. and 1.25-in., and come in hose and NPT threads. Easy to use and long lasting, ROI is typically within one year. With a usual lifespan of 10-15 years, enjoy the benefits year after year. Magnation enables you to do more with less, sustainably. Chemical-free, energy-free and maintenance-free—and zero byproducts.

---

**R&R Products, Inc.**  
**Irrigation Products**  
R&R Products supplies thousands of irrigation products including sprinklers, PVC & iron fittings, spray nozzles, hoses and much more. Call 800-528-3446 or email [sales@rrproducts.com](mailto:sales@rrproducts.com) to request a free catalog.
MOWERS

Brouwer Kesmac

Kesmac Transportable Fairway Reel Mower with Single Point Adjustment

This transportable fairway reel mower was designed for the turf industry to accommodate low mowing heights and contoured terrains. The scissor like cut promotes health and growth of the turf. The front anti-scalp roller, single point adjustment, float adjustment, proven mobility, low compaction and reduced stress on turf, make this a mower of choice for all of your grass cutting needs. Low horsepower requirements allow for a lighter tractor and reduced fuel consumption. It is available in 5, 7, 9 or 11 gang models for mowing 25 ft. (7.6m) widths with 5 to 9 bladed reels.

Brouwer Kesmac

Kesmac Transportable Reel Mower
3, 5, 7, 9 & 11 Gang (25 ft. wide)
With Single-Point Reel Adjustment

Using only a 45 hp tractor, these units can mow up to 160 acres per day. A key feature is the mower’s transportability. Fingertip hydraulic controls allow the operator to lift the mower frames for easy transport with a small transport width. This mower is designed especially for large turf areas. The scissor like cut promotes health and growth of the turf.

Features include:
- Quality cut from ½ inch to 3 ¼ inches with minimum turf stress
- Single point adjustment for operator simplicity
- Follows field contours
- Improved reel design for good clipping flow
- High flotation for reduced compaction
- Outstanding cut in wet or dry conditions
- Heavy bed-knife holder and reel frame
- Available in 5, 6, 7, 8, and 9 bladed reels

Brouwer Kesmac

Kesmac Gang Transportable Vertical Mowers

These mowers control thatch build-up, help prevent diseases, allow increased aeration, improve water penetration, and more effective utilization of fertilizer. For turf producers, add the benefit of up to two weeks earlier spring green-up at the start of the season. The Five gang model cutting width is 135 inches. A 45 hp tractor is required.

Progressive Turf Equipment, Inc.

TDR-30G Finishing Roller Mower

Since its introduction, the TDR-30G roller mower has exceeded all sales targets! Five contour following decks, a 29-ft.-6-in. cut width, ½-in. to 3½-in. cut height, and built in North America are key aspects that have been welcomed by turfgrass producers. Even with this success, Progressive hasn’t stopped the development of the TDR-30G and is pleased to offer an important feature that increases production and makes the TDR-30G even easier to operate. Now, using only a single hydraulic function and without
disconnecting the PTO, the Operator can activate the exclusive Pro Lift-N-Turn™ system which lifts the decks just clear of the turf. Ideal when turning at the headlands, it prevents the rollers sliding and damaging the turf. And this new feature can be easily fitted to older TDR-30G’s!

The TDR-30G is another example of Progressive’s dedication to turfgrass producers and why Progressive is The Better Built Choice.


Progressive Turf Equipment, Inc.

TDR-22/TDR-22G – Roller Finishing Mower

The second generation TDR-22/TDR-22G is the most widely used 22-ft. roller mower in North America. It’s available with bolt-on decks in either painted or the popular galvanized finish. They feature enhanced fore/aft deck balance—beneficial in soft conditions—a cut height as low as ½-in. and an optional wide profile tire with 70 percent greater contact area that minimizes ground pressure and soil compaction. Designed for reduced maintenance, it has both maintenance free blade spindles and 100 hour PTO shaft greasing intervals as standard features. Making turning “easier on the turf,” both models have the industry exclusive Pro Lift-N-Turn™ system as standard equipment. Lifting all of the decks during a turn prevents crop damage from the rollers sliding across the turf, leaving more turf that can be harvested from the headlands. Pro Lift-N-Turn™ has simply eliminated the issues competitive models face when turning at the headlands.

For details see: http://www.progressiveturfequip.com/tdr22_ps_details.php.
**MOWERS**

**Progressive Turf Equipment, Inc.**

*TD-15B – Roller Finishing Mower*

Progressive’s TDR-15B is a smaller version of the widely used Progressive TDR-22. This versatile 15-ft-6-in. cutting width finishing mower is big enough for production acreage and maintenance mowing tasks, but often the TDR-15B is used on specialty fields or test plots. Easily maneuverable and transportable, it cuts as low as ½-in. The full width rollers allow the cutting decks to bridge ribbons. The superior quality of cut comes from our standard high lift blades that create enough vacuum to lift the grass for a clean uniform cut and then disperse the clippings evenly over the rollers. The TDR-15B is also equipped with maintenance free blade spindles, 100 hour PTO shaft greasing intervals, and Progressive’s exclusive Pro Lift-N-Turn™ system as standard equipment. If you need a wide area roller mower capable of handling big or special jobs with a high quality cut, you need a Progressive TDR-15B.


**Progressive Turf Equipment, Inc.**

*TD65B – Tri-Deck Finishing Mower*

The TD65B is a narrower version of the well-known TD92 and offers high productivity and great value. With a cutting width of 15.5-ft. and needing only 30-50 hp, it is ideal for smaller fields or where a large tractor is not available. Even though the TD65B is smaller than the TD92, its features and construction mirror the larger mower. The components used in the TD65B have been field proven over many years; as a result, many older mowers are still in use today. Its three independent floating decks are designed with deep skirts and feature high blade tip speeds that deliver a superior cut quality in all conditions. Maintenance free blade spindles are a standard feature—reducing maintenance time and worry. With a solid reputation for dependability and productivity, the TD65B is used as a production mower by turfgrass producers of all sizes around the globe.


**R&R Products, Inc.**

*Power Lift series Mowers*

The R&R Products Power Lift series of ground drive reel mowers is an economical and reliable mowing solution for anyone needing a quality cut on large turf areas. It is available in 5 or 7 gang configurations for a 133-in. or 180-in. cutting width. Call 800-528-3446 or email sales@rrproducts.com to request a free catalog.

**Redexim North America**

*Red Diamond Roller Mower*

The all new Red Diamond Roller Mower is a heavily built PTO mower that is supported by front and rear rollers to minimize scalping even at very low heights of cut. This tough, low maintenance roller mower creates beautiful striping on large turf surfaces. The adjustable height and high blade speeds of the Red Diamond Roller Mower create a precise and clean cut every time. This heavy duty and efficient mower is perfect for large commercial jobs.
MOWERS

Sales Midwest, Inc.
*New and Used Mowers*
Sales Midwest offers an assortment of new and used rotary and roller finish Progressive mowers in various styles and sizes.
Visit www.salesmidwest.com, email tim@salesmidwest.com, or call 913-254-9560 for more details.

Trebro Manufacturing, Inc.
*GearMaster Rotary Mower*
With its triple deck, 22-ft. cut, Trebro’s GearMaster 6800 folding-wing gear-drive mower is built for high capacity use to boost efficiency. Each mowing deck spindle is gear driven (no belts) providing a durable, reliable system with counter rotating blades for evenly distributed clipping dispersal and a smooth, even finish.
Other features include:
- Transport tires 295/15 radial (four per machine)
- Lift and turn capability
- Heat-treated alloy steel blades (four per spindle)
- Zero-turn capability
- Front and rear roller cleaners
- Stainless steel deck panels (framework welded or seam-sealed)
- 30-ft. wide model also available
For more information, please go to www.trebro.com.

TRILO R 10 Reel Mower
*TRILO R 10 Reel Mower*
The wide TRILO R 10 reel mower delivers perfect cuts at a high speed and a very low tractor power. It combines simple propulsion with excellent mowing reels. Because of the ingenious folding system, using only a few cylinders, it is very easy to switch between the 10 meters (30.8 ft.) working width and the compact transport position.
- Save up to 40 percent fuel cost
- Capacity up to 198 acres (80 ha) per day
- Only 55 hp required
- Light weight machine
- Easy height adjustment
- Full floating cutting units
- Low maintenance cost
- Wide tires
Due to the low weight of the R 10 mower in combination with a small tractor, the stress on the sod will be minimized. www.trilo.com
MOWERS

Trimax Mowing Systems

*Pegasus S4*
After fifteen years of leading the market, Pegasus has established itself as the benchmark in wide-area rotary mowing for Turf and Sod farms, parks, reserves, and sport fields. Available in 16 ft. (4.9m) and 20 ft. (6.1m) widths, the Pegasus S4 is our latest exceptionally low-maintenance trailed rotary mower. Building on 15 years of Pegasus innovation, we’ve spent the last 12 months in R&D innovating how to make mowing more efficient. The result—the new Pegasus Series 4 mower that offers 28 percent less grease points and incredibly 41 percent less maintenance costs compared to our famous S3. Boasting SteadFast™ maintenance free spindles, RapidSet™ height adjustment, a market leading three-year warranty and the most precise and versatile cutting experience. Ask for your demo today and see how Pegasus can transform your sod farm. www.trimaxmowers.com

Turf Tick Products

*Turf Tick Reel Gang Mowers:*
The pulled type Turf Tick mower means more production per hour. Its 50-foot construction cuts up to 250 acres a day with 42 hp tractor. The mowers are durable with heavy duty reels to ensure dependability year after year. The unique construction allows weight distribution over the entire area to reduce turf compacting and decrease the possibility of ruts in damp ground.
The mowers are easy to maneuver with a zero turning radius and a pivoting frame. Floating mowers adjust to match unlevelled terrain and the positive belt lock system will not disengage or slip even over rugged ground or heavy mowing conditions.
Turf Tick mowers, available in widths of 10 to 50 ft. Hydraulic lifted 9-inch reels are 6 or 10 bladed. Hydraulic back wheel-steering standard for model 4017 and 5021. Transported lengthwise, the mower will be turned 90 degrees. Optional: air blower for keen distribution of the clippings.

Turf Tick Products

*Green Clipper Electrical*
These electrically driven large area high output mowers are designed for economic turf cultivation. Green Clipper currently provides 3 models; the Green Clipper Sport is comprised of four fully independent suspended mowing decks in the front of the tractor. The energy is supplied by a compact generator on the back of the tractor. Cutting width is 13.45 ft. (4.10m). For those who need more capacity, the working width of the Green Clipper Sport has almost doubled in the Green Clipper Sport++. Capacity 19.77 acres/hour (8 ha/h). With a working width of 19.7 ft. (6.00m) the Green Clipper 3 is mainly used by Turf producers. Capacity 12.35 to 29.65 acres/hour (5 to 12 ha/h). Quality made in Holland.
**NETTING**

**Bucyrus Equipment Co., Inc.**

*Magnum Big Roll Net*

Bucyrus Equipment’s strong extruded big roll net is made from naturally degrading plastic with no toxic additives. Choose from the following options:

- 23-, 29-, 40- and 46-in. widths
- Brown for low visibility or standard clear
- Standard degrading plastic or Ultra Sensitive netting (additional fee for protective packaging)

For more information, visit [www.magnumenp.com](http://www.magnumenp.com).

**Bucyrus Equipment Co., Inc.**

*Magnum Field Net*

Magnum Field Net helps get turf ready quickly for harvest after planting. The strong extruded field net will not lose strength during the turf growing period. The Magnum Field Net features 20 percent more netting per roll and six-inch plastic cores that can be cut up for big roll tubes. For more information, visit [www.magnumenp.com](http://www.magnumenp.com).

**Conwed Plastics**

*Sodnet® and Sodwrap® Product Lines*

Conwed is the leading plastic netting manufacturer in the world, celebrating 50 years (1966-2016) of history in collaborating with customers in diverse industries. We have supported the turf industry for over three decades with our Sodnet® and Sodwrap® product lines. Our Sodnet® has a netting configuration designed to allow sod to grow in a uniformly strong structure. It allows roots to intertwine with the durable mesh preventing separation during harvest. It allows turf producers the opportunity for multiple plantings during the season. Sodwrap® is an exceptional product designed for harvest of large turf rolls. It reduces turf loss during harvest, transportation and installation. For additional information about our netting solutions for turf applications, visit [www.conwedplastics.com/turf](http://www.conwedplastics.com/turf).

**Sales Midwest, Inc.**

*Nutting and Sod Wrap*

Sales Midwest offers various sizes of degradable field netting and sod wrap. Visit [www.salesmidwest.com](http://www.salesmidwest.com), email tim@salesmidwest.com, or call 913-254-9560 for more details.

**TAMANET (USA)**

*Degradable Sod Net & Sod Wrap*

TAMANET markets the only degradable sod net and sod wrap. The net is available in 17- and 20-ft. lengths while the wrap is available in 23-, 29-, 40-, and 46-in. widths.

For more information, visit [www.tamanetusa.com](http://www.tamanetusa.com).

**TAMANET (USA)**

*Ecocycle*

TAMANET is the exclusive distributor of Ecocycle™, the only turf netting with accelerated degradation. Netting made from Conwed’s Ecocycle is programmed to degrade quickly below ground when no longer needed. Turf growers and consumers will benefit from accelerated degradation which minimizes entanglements in turf maintenance equipment and trip hazards in heavily worn areas. Conwed netting is made in the U.S. and is available for use on all big roll harvesters and field net setters. For more information, visit [www.tamanetusa.com](http://www.tamanetusa.com).
NETTING INSTALLERS

**Bucyrus Equipment Company, Inc.**  
**BN 1720 Field Net Setter**  
The BN-1720 is a field net setter loaded with an automatic stacker. This machine has hydraulic loading of the roll of net, a hitch for easy transportation between farms, and adjustable depth control. No more labor intensive field net installation. Depending on soil conditions, now install 4-10 acres of field net per hour, cutting down time and labor costs. For more information, visit [www.magnumenp.com](http://www.magnumenp.com).

**Bucyrus Equipment Company, Inc.**  
**Magnum SAS 300 Field Net Staker**  
Make staking field net quick and easy with the Magnum SAS 300. Eliminate the labor and strain of staking by hand. The SAS 300 can be used as a 3-point behind a tractor or pull behind a 4-wheeler or golf cart by using the hitch. Using Magnum T Stakes to secure the field net, control the depth and fire the stake from your seat. The counter can be set to stake at different lengths and the engine and compressor makes this unit self-sufficient. For more information, visit [www.magnumenp.com](http://www.magnumenp.com).

**Sales Midwest, Inc.**  
**Used Netting Installers**  
Various used netting installers are available. Visit [www.salesmidwest.com](http://www.salesmidwest.com), email tim@salesmidwest.com, or call 913-254-9560 for more details.

PARTS & SUPPLIES

**Brouwer Kesmac**  
**Brouwer Kesmac Global OEM Replacement Parts**  
Brouwer Kesmac offers, through a growing network of global dealers, OEM (original equipment manufacturer) parts worldwide for all our equipment.  
- Genuine original parts ensure long life and low overall replacement costs  
- Free over the phone service calls with our experienced service team to reduce downtime  
- The industry’s largest dealer network  
- Quick response and worldwide parts shipping from our global network of dealers and depots  
- Competitive pricing  
- Ensure quality, fit and warranty  
Brouwer Kesmac original engineered parts include:  
- Hydraulic components including: pumps, motors, cylinders, valves and filters  
- Upgrade and update kits  
- Bearings, bushings and belts  
- Cutter head parts  
- Electrical components including: sensors, cables and repair components.  
- Conveyor and pick-up head components  
- Conveyor mats
Featured Product: Diversity Sod Bluegrass Blend. Formulated with multiple Kentucky Bluegrass types and category hybrid crosses to provide a wide breadth of genetics and a better tolerance to environmental stresses.

Because your business depends on the purest seed varieties, our business is dedicated to them.

TURF PRODUCERS’ SELECT™ formulations are produced in blending facilities dedicated specifically for sod, but that’s just the beginning of our dedication to quality assurance. We dig deep into every lot’s history, analyzing test reports and collecting data on region, grower and field history. We use stringent manufacturing and shipping processes to ensure the integrity of our product. All so that when your Kentucky bluegrass, tall or fine fescue, perennial ryegrass or custom blend arrives, you can be sure that it’s of the purest quality, and you can Seed With Confidence™.

Sod Seed Specialist Larry Humphreys has been on the leading edge of seed genetics for 43 years. For questions or to order your TURF PRODUCERS’ SELECT™ today, contact Larry at larry@turfproducersselect.com.
PARTS & SUPPLIES

- Cutter blades (including the Brouwer V blade)
- Mower reels / bed knives

It pays to use the right parts. Contact Kesmac for more information at 1-888-341-5113 or visit us on the web at www.brouwerturf.com or www.kesmac.com.

Brouwer Kesmac

Brouwer Kesmac Customer Care

Brouwer Kesmac has built its name on Customer Care. Our parts department, service team and factory technicians, in conjunction with our dealers, provide prompt after sales service, support and training. We have added technology to improve service. Our NEW state of the art Brouwer Telematics for Automatic Harvesters allow our technicians to perform remote diagnostics, updates, adjustments and monitoring utilizing GMS/GPS communication without travelling to your farm! Quality original parts matched with Brouwer Kesmac Customer Care, ensure that customers globally, can have the correct parts, technical support and quick response necessary to maximize equipment efficiency and reliability. Contact Kesmac for more information at 1-888-341-5113 or visit us on the web at www.brouwerturf.com or www.kesmac.com.

Bucyrus Equipment Company, Inc.

Harvesting Parts & Cutter Blades

Bucyrus Equipment continues to expand in the parts business. Benefits include same-day shipping, grouping with net or tubes, and central U.S. warehousing. Bucyrus has become one of the largest resellers of R&R blades for all types of harvesters. Producers also are encouraged to contact Bucyrus for other applications (e.g., erosion control, hay bale wrap, bird control). For more information, visit www.magnumenp.com.

FireFly Equipment

Parts

FireFly Equipment’s harvester parts are known for their quality, value, and improvements. The 2017 Part Source catalog from FireFly Equipment includes a greatly expanded selection of parts of all brands of harvesters for your repair needs. We keep a fully stocked parts warehouse. We also manufacture a large percentage of our own parts in-house, which allows us to respond quickly to your needs with high quality parts at fair pricing. When you need a part, we can get it to you right away. Once you experience our value, improved designs, and availability, we are confident FireFly will become your first and last source for harvester parts. Call (801) 698-5128 to request a catalog or drop us an email at parts@fireflyequipment.com.

R&R Products, Inc.

Replacement Parts

R&R Products manufactures thousands of replacement parts ranging from sod cutter blades (to fit Brouwer, Bucyrus, Kesmac, Trebro, Ryan, Poyntz, Texas Sod Harvesting, Princeton and Nunes) to reel, rotary and flail mower parts (to fit Jacobsen, Toro, Kesmac, John Deere, Ransomes, Roseman, Jerry Clipper, Mott & Ford) to aerating blades (to fit Ryan, Rogers, Jacobsen, Toro, John Deere and Hahn Westpoint). Call 800-528-3446 or email sales@rrproducts.com to request a free catalog.

Sales Midwest, Inc.

Parts & Supplies

Sales Midwest carries an assortment of parts for a broad range of companies including: Kesmac/Brouwer, Progressive, Donkey Forklift, WMI/K&W, Atmax Traxmax, First Products, and Master Craft. Visit www.salesmidwest.com, email tim@salesmidwest.com, or call 913-254-9560 for more details.
Trebro Manufacturing, Inc.
The Trebro Value Line
Trebro offers a complete range of original manufactured parts for their full line of machinery through locations in Billings, Montana; Seaforth, Ontario, Canada; Freemans Reach, NSW Australia; York, England and Amersfoort, the Netherlands. Trebro provides fast reliable service from each of these fully stocked warehouses. The Trebro Value Line of original manufactured parts has been introduced to supply Trebro customers top quality parts at highly competitive prices. Trebro notes taking care of customers is the company’s highest priority and they dedicate much time and many resources to customer service. As operators of their own family turf farm, the Trebro team understands that downtime is very costly so they focus on helping keep your equipment up and running. That includes providing free over-the-phone service calls 24 hours a day, 7 days a week. For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
One Inch Pillow Block Bearing
Trebro offers a full range of premium quality bearings at competitive prices. Keep your machine running smoothly and minimize down time by using the best original parts supplied exclusively by Trebro. For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
200 Series OHLA with tapered shaft
Superior quality OEM part ensures long life and dependable performance. For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
Actuator Linear Six-Inch Assembly
Trebro also offers hydraulic depth control conversion kits. “The new hydraulic Depth Control Kit we recently installed on our Trebro AutoStack is fantastic. There are not as many pins and bushings reducing potential wear areas. In the long run, it will be far less expensive to maintain. I would highly recommend it to anyone who has not made the switch.” Tony Smith, Huggett Sod Farms Inc. For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
Roll Up Arms Long Weldment
The broad selection of Original Trebro Manufactured components provide for peak performance and durability. Trebro places the highest value on customer satisfaction. For more information, please go to www.trebro.com.
Trebro Manufacturing, Inc.
Sod Flipper Weldment
The Sod Flipper Weldment is designed for reliable performance and longevity. All Trebro machines are supported by free over-the-phone service calls 24 hours a day 7 days a week.
For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
Sensor Steering 24 Volt with 36-inch Cable
Trebro’s offers a complete range of electronic parts at the industry’s best prices with fast on-time delivery from one of our fully stocked warehouses in five locations around the world.
For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
Encoder with Plug
To ensure peak performance and efficiency always choose a Trebro Original Supplied part. Trebro has 17 years of knowledge and expertise in manufacturing automatic turf harvesters. We know what parts are the best for your machine to keep it in top operating condition.
For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
Hydraulic Motor S 22.5 CID with Rotated Flange
Trebro makes it easier for turf producers to succeed with our innovative, hardworking harvesters that reduce labor costs. Taking care of our customers is the highest priority at Trebro Manufacturing. We dedicate a lot of time and resources to customer service.
For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
Powered Roll Up Flap Control System
The Powered Roll Up, Automatic Flap Control System conversion kits are available for the Trebro HarveStacks and SC 2010 Roll Harvesters. The system is designed to automatically place the roll flap in the same position every time for neat stable stacks of turf. For more information, please go to www.trebro.com.

Trebro Manufacturing, Inc.
Trebro OEM Parts and Responsive After the Sale Service
“The other day we had a problem with our AutoStack, with trucks in the field, ready to be loaded. I contacted the Trebro Service Department and in less than an hour we were up and running again. Trebro is great company to deal with. They honestly care about keeping our wheels turning and this is huge for us. The parts support is also amazing. Trebro provides prompt reliable delivery and they are always on top of things.” Charlie Oliver, Oliver Sod Farms, Inc.
For more information, please go to www.trebro.com.
Texas Sod

*Parts Selection*

Texas Sod carries parts for most sod equipment, including: Kesmac and Brouwer equipment, Texas Sod Harvesters (TSH), WMI harvesters, Bucyrus/Magnum equipment, Master Craft forklifts, Texas Lifts, Progressive Equipment, roller mowers and Brouwer Kesmac automated machines. Order by part number or description. Same day shipping with overnight shipping available.

Visit the website [www.texassod.com](http://www.texassod.com); email [bubba@texassod.com](mailto:bubba@texassod.com), or call 979-245-4115 for more details. Hablamos Espanol, preguntar Jesus.

Bayer Crop Science

*Bayer Specticle® FLO*

Specticle® FLO is a versatile, pre-emergent herbicide that provides warm-season, broad-spectrum control of most major weeds including Poa annua, crabgrass and goosegrass. It delivers superior protection against key grassy weeds plus more than 50 broadleaf weeds, and its long-term residual means fewer applications. Specticle FLO effectively controls weeds at the lowest use rates on the market, requiring up to 40 times less active ingredients than other pre-emergent solutions. Specticle FLO saves time, fuel, and labor costs by reducing the number of treatments needed to achieve optimal results, making it one of the most effective tools in any turfgrass manager’s arsenal. For more information, visit [www.cropscience.bayer.us/](http://www.cropscience.bayer.us/).

Kongskilde Industries, Inc.

*Stonebear Rock Picker*

The Stonebear is designed for the removal and collection of stones from cultivated land, turf sod operations, sports fields, and golf courses in one operation. It is designed to collect stones in sizes from approximately 1 in. (28mm) to 12-in. (30cm). A working width of 13-ft. (4m) or 17-ft. (5.2m) provides for a one-person operation with greater capacity and efficiency. The Stonebear can be operated with a 72 hp or 80 hp tractor. Its rakes are designed to follow field contours, rotating in the opposite direction to forward travel. This draws the rocks to the machine’s center. Tines then throw the rocks into the 2.4 cu. yd. (1.8 cu. m) hopper, which has a tipping height of 7 ft. 6 in. (2.3m) for unloading.
Brouwer Kesmac

**Brouwer BTR 30 Walk Behind Turf Roller**
The BTR 30 walk behind Turf Roller is available with a traction or smooth drum with formed edges to prevent turf damage. It comes standard with two plugs for ease of draining or filling with water. A 5.5 hp Honda engine coupled with a hydrostatic drive and fingertip controls allow easy maneuverability even in the tightest areas. The total width is only 36 inches. It is also available with a power unit protection package providing a single lifting point. The heavy duty built BTR 30 Roller comes with a foldable handle for easy transport and storage: a must for landscapers, contractors and rentals. Standard 3/16-inch heavy-duty drum.

Brouwer Kesmac

**Brouwer TR 224 Ride On Turf Rollers**
Features:
- Lever assist steering for exceptional maneuverability
- Honda 5.5 hp engine for reliability and economy
- Proven single-lever F-N-R clutchless transmission
- Unique rounded-edge rollers prevent turf damage
- Two fill-drain plugs per roller for convenience
- 24 in. wide rollers for access to narrow paths

Brouwer Kesmac

**Kesmac KFR 90 Heavy Duty Field Roller**
The Heavy Duty KFR 90 Field Roller for turf producers features: 90 inch wide by 48 inch diameter with a scraper. It can be filled with water to increase the total weight to 8800 lbs. A fold down jack and heavy duty construction make it the ideal roller for turf producers to roll their fields.

Brouwer Kesmac

**Kesmac KTR 30 Walk Behind Turf Rollers**
The KTR 30 walk behind Turf Roller is available with a traction or smooth drum with formed edges to prevent turf damage. It comes standard with two plugs for ease of draining or filling with water. A 5.5 hp Honda engine coupled with a hydrostatic drive and fingertip controls allows easy maneuverability even in the tightest areas. The total width is 36 inches. The KTR 30 is available with a power unit protection package providing a single lifting point. This heavy duty built roller comes with a foldable handle for easy transport and storage. Standard 3/16-inch heavy-duty drum.

Sales Midwest, Inc.

**New and Used Rollers**
Sales Midwest offers an assortment of sod rollers. Featured is the Kesmac KTR30 Sod Roller with smooth or heavy duty traction drum and rounded edges. It is gentle on turf and easy to maneuver around tight spaces. The handle folds for easy transport and storage.
Visit [www.salesmidwest.com](http://www.salesmidwest.com), email tim@salesmidwest.com, or call 913-254-9560 for more details.
Brillion Farm Equipment
*Till ‘N Seed®, Model BPSB-6*
Designed and built from input received from customers and producers that desired a simple, reliable, and efficient overseeder, the Brillion Till ‘N Seed® can operate under a wide variety of conditions and accurately plant a multitude of seed varieties and seed mixtures. The Till ‘N Seed, featuring patented technology, utilizes ground driven tillage and seed placement rotors that are self-cleaning to allow for operation in high residue conditions. These unique features make the Till ‘N Seed the ideal tool for seeding into existing turf, renovating pastures, restoring athletic fields and lawns and planting food plots. For more information, visit www.landoll.com.

First Products, Inc.
**SEEDA-vator**
- Loosens soil prior to laying sod
- Creates the seedbed for primary seeding
- Prepares the ground for seeding
- Uses a patented vibrating action to loosen and break up the soil in the root zone without destroying the established turf

The SEEDA-vator seeder provides turf professionals with the flexibility of primary seeding or overseeding with the same machine. The patented swivel hitch allows the operator to turn around objects without tearing established turf. The solid vibrating tines fracture and loosen the soil without disrupting the turf, while creating the seedbed. First Products designed the seed cup to enable use of both small and large seed. The ground driven seed box allows for variable ground speed without changing the desired seeding rate. For more information, visit www.1stproducts.com.

First Products, Inc.
**SEEDA-vator with Multi Tine Shaft**
First Products designed the SEEDA-vator with the full range of features as listed above, including the Universal Shaft System which allows the operator to change shafts for a variety of seeding jobs. The Multi Tine shaft is an optional shaft that can be changed in the Universal Frame. It uses a vibratory action to create the seedbed, with the 2-in. tines vibrating on a gentler offset of 2 degrees, which makes seeding into netting easier, and without ripping the net. The seeding depth can be controlled off the rear roller. This unit is available in 40-in., 60-in., and 80-in. widths. For more information, visit www.1stproducts.com.

First Products, Inc.
**SEEDA-vator with Multi Spike Shaft**
First Products designed the SEEDA-vator with the full range of features as listed above, including the Universal Shaft System which allows the operator to change shafts for a variety of seeding jobs. The Multi Spike shaft is an optional shaft that can be changed in the Universal Frame. The Multi Spike shaft is a non-PTO powered shaft. Using its conical shaped tines, it creates more holes per square foot (over 55) than any other Universal Shaft, which provides high speed seeding to get the job done fast. This unit is available in 40-in., 60-in., and 80-in. widths. For more information, visit www.1stproducts.com.

Redexim North America
**Overseeder 1275**
The Overseeder 1275 is fast and effective. It actually buries the seed up to 20mm (3/4-in.) deep in the ground, safe from the beaks of hungry birds and out of the way of the wind. The amount of seed you wish to sow is controllable to a highly accurate degree and the Overseeder takes the most undulating ground firmly in its stride. This is thanks to individually mounted coulters that allow them to ‘float’ over contours.
Seeders/Planters

Redexim North America

Overseeder 1575

The Overseeder 1575 has been completely redesigned, making it the fastest, most versatile and efficient version to date. With its innovative unequal disc slitting system, the Overseeder actually plants the seed firmly in the ground, providing outstanding seed to soil contact and providing unmatched germination. Boasting a tight spacing under 3 inches, each seed coulter is individually suspended and accurately follows terrain. The new seed box on the 1575 and 2075 utilizes a proven roller design allowing the machine an infinite range of feed rates with all seed types, from the very large to the very smallest bentgrass seed. With working speed up to 9 miles per hour, the new Overseeder is capable of re-seeding a football field or golf course fairway in minutes.

Redexim North America

Overseeder 2075

The new Overseeder 2075 is big, fast, tough, versatile and efficient. The 2075 uses a cutting edge disc slitting system which actually plants the seed firmly in the ground, providing unparalleled germination. Using a tight spacing under 3 inches, each seed coulter is individually suspended and accurately follows terrain. The new seed box on the 1575 and 2075 utilizes a proven roller design allowing the machine an infinite range of feed rates with all seed types, from the very large to the very smallest bentgrass seed. With working speed up to 9 miles per hour, the new OverSeeder is capable of re-seeding a football field or golf course fairway in minutes.

Redexim North America

Double Disc Overseeder

The new Redexim Double Disc Overseeder delivers seed into the soil through two rows of discs, in slits 3cm apart, to ensuring maximum germination. This Overseeder buries the seed up to 20mm (3/4-in.) deep in the ground, safely away from the weather and the beaks of hungry birds for the most effective seeding. The Redexim Double Disc Overseeder is one of the most effective and efficient seeders on the market.

Redexim North America

Verti-Seed 1204

The Verti-Seed’s unique action first opens the turf using special oval shaped discs followed by small chisels. The seed is then fed through the seeding funnel and released just above the slit where the wind cannot blow it away. The seed is deposited in the furrow accurately and can be precisely adjusted to give you exact rates even for very fine seed, like bents and fescues. The furrow is then sealed by the seeding shoe. Each seeding element is independently sprung, enabling the Verti-Seed to accurately seed on any ground contour.

Redexim North America

SpeedSeed 1600

The Speedseed 1600 is ideal for sports grounds and golf courses where economy and random seed dispersions are important. The Speedseed overseeding machines offer the same accurate means to produce thousands of holes, deliver the seed and brush in, all with a single machine. The spikes are conical shaped, so that more seed actually drops into the holes. The seed drops when the side wheel turns, so no spillage of seed when the machine is not in operation. Optional, a second roller with spikes can be added for doubling the amount of holes per pass.
SEEDERS/PLANTERS

Redexim North America
SpeedSeed 2100
The new SpeedSeed 2100 is ideal to over-seed large areas quickly. The front spiked roller made of individual cast rings creates thousands of holes and can easily turn along any obstacles in its path. This seeder is designed for the turf manager that does not like the traditional rows created by other machines on the market.

Redexim North America
SpeedSeed 2400
The new SpeedSeed 2400 is perfect for seeding larger areas of turf in a short amount of time. The 2400 has a front spiked roller that is made of individual cast rings which create thousands of holes and easily handle any obstacles that it may encounter. The SpeedSeed 2400 is the seeder for the turf manager that does not like the traditional rows created by some machines.

Sales Midwest, Inc.
Brillion Seeders
Sales Midwest offers an assortment of new and used Brillion Equipment and parts. No matter how large or small your operation is, Brillion has the tool to help you with your tillage, seed bed prep and seeding equipment needs. Visit www.salesmidwest.com, email tim@salesmidwest.com, or call 913-254-9560 for more details.

SOD HARVESTERS

Brouwer Kesmac
Brouwer Harvesters have manual hydraulic controls to operate the harvester functions. The controls are mounted in a protected panel on the right fender; easy to reach and operate.

Brouwer Kesmac
Brouwer 1570 Sod Harvester
The Brouwer 1570 Harvester has a light weight floating cutter head that can reduce waste and increase quality even in tough, wet conditions. The unlimited control adjustment combined with the see through design allows for easy maintenance and overall ease of operation.

Brouwer Kesmac
Brouwer 1576 Sod Harvester
The Brouwer 1576 (1560) is the most popular model of harvester in the world. It gained its reputation with an excellent quality of cut in a wide variety of conditions. The floating cutting head has a front and rear pivot point that is close to the ground, giving it excellent floatation. The head is compact and pivots quickly to follow the smallest of undulations. The heavy duty outer frame and cutting head provide significant weight to the roller to produce an even piece of turf, even in extreme conditions; especially hard clay and stones. The design is built to withstand the stress of hard ground and long busy days of harvesting. The high torque motors are designed to cut through the hardest of conditions. This is truly a workhorse that will produce a quality Roll or Slab of turf.
SOD HARVESTERS

**Brouwer Kesmac**

**Brouwer 1580 Sod Harvester**
The Model 1580 is a Retro A3A Conveyor. This conveyor is ideal for soft conditions. The design combines the light weight and durability that the original Brouwer Conveyors were famous for. The current technology uses the Exclusive Low Profile Rubber Belt that is gentle on Turf and durable for long life. Cut-off spring tension, thickness and pitch are all adjustments that are made easy to allow you to cut the best quality piece of Turf. Current Sprockets, Sliders and Hydraulics make this machine suitable for extreme conditions.

**Brouwer Kesmac**

**Brouwer 2125 Sod Harvester**
The Brouwer 2125 was designed as the ultimate “Bahia” Cutter. It is simple and rugged. It has many of the strong features of the Kesmac 2150, but with a higher cut-off blade lift, manual depth control, and simple manual hydraulics. Everything about this Harvester was built to be tough, easy to operate and easy to maintain; all while operating in “extreme” conditions. With fewer moving parts, a floating one-piece conveyor / head, this machine will take the abuse that Bahia Fields will put in front of you. No frills mean less down time: more pallets on the ground.

**Brouwer Kesmac**

**Brouwer Kesmac Harvesters**
Brouwer Kesmac Hand Stack Harvesters blend the best features from both Brouwer and Kesmac. The current platform is the NEW John Deere 5065E, with Tier 4-compliant PowerTech Engine. The easy-access Operator Station offers controls positioned for ease of operation for the driver and stacker (hydraulic thickness control). Optional Hydraulically-Controlled Auto Steer provides accurate steering in varied conditions. The Cross Conveyor or Curved Conveyor are hydraulically-driven and fixed-mounted to the standing platform to retain the same position when the conveyor floats or is raised. The heavy-duty beam (forward for excellent balance) and fenders (piling cavity access door for service) deliver durability. The roof and canopy provide maximum protection. LED lighting allows safe early-morning and late-night operation. Hydraulics are direct-drive from the engine, with front-mount tank and cooler for optimum performance. An optional brush clears turf of clippings and debris. Roll Harvesters can be equipped with Variable Hydraulics for easy flap control.

**Brouwer Kesmac**

**Brouwer RollMax 2400 Big Roll Sod Harvester**
- 24 in. cutting width for maximum sod quality and efficiency
- All functions controlled from the tractor seat
- Standard on a NEW Tier 4-compliant PowerTech John Deere 5065E 2WD or 4WD tractor
- Automatic cut-off length adjustable up to 125 ft.
- Netting wrap option available for weak or tender sod conditions
- Roll-up cavity with sides and rear conveyor for tight rolls with even sides
- Empty tube dispenser
- Ground speed hydraulics to prevent tearing of turf
- Sod rolls are ejected to the harvested side out of the way of the next pass
- Hydraulic depth control standard
- Outer roll net wrap attachment (optional)
- Four 24 in. wide rolls easily fit across the width of a truck bed
- Automatic one-man operation
- Most cost efficient Automatic Big Roll Harvester
TLI fundraisers are sure to stir up plenty of excitement during TPI’s 50th Anniversary Celebration.

All proceeds support turfgrass research, education and TLI’s scholarship program.

ATV RAFFLE TICKETS

1 for $25
5 for $100

Imagine winning a John Deere Gator™ RSX860i. It has the power to treat tight off-road turns around the farm as if they are nothing at all.

This edition of the RSX is faster than ever before, with a powerful, agile, smooth, and comfortable ride, as well as everything a John Deere Gator™ Utility Vehicle is traditionally known for — quality, safety, durability, and the strongest work ethic in the category. More information will be forthcoming.

THANK YOU

A sincere thank you to the following TPI Canadian members for making this ATV Raffle possible.

Advanced Equipment Sales
Brouwer Kesmac
Gerry Brouwer
Greenhorizons Group
John Deere
Load Lifter Manufacturing
Manderley Turf Products
Progressive Turf Equipment
Zander Sod Co. Limited
SOD HARVESTERS

**Brouwer Kesmac**

*Brouwer Sod Cutter Mark 2*

The Sod Cutter Mark 2 is built with a heavy duty frame construction. The handles fold easily for storage or transport in a pick-up truck or the trunk of your car! This lightweight tool can be used anywhere that turf requires removing, repairing, renovating or lifting. The split blade feature makes it very smooth to operate.

**Brouwer Kesmac**

Kesmac Harvesters have Joy-Stick Controls that operate the hydraulic functions electrically over hydraulics. The Joy Stick is conveniently located to the right of the operator. This design is easy to operate and reduces heat by keeping hydraulic components away from the operator station.

**Brouwer Kesmac**

*Kesmac 2200 Sod Harvester*

The Kesmac 2200 Harvester is a workhorse that puts the best quality piece of Turf on the Conveyor that is possible. The Outer Frame surrounds a rugged floating cutting head that has easy pitch and roller adjustments to get the perfect cut. The low front pivot point and heavy pressure on the front roller make sure that the head follows every contour that it encounters. The Pivot Bearing insures rapid action back and forth to provide an even cut from side to side, even cutting through curves. The heavy duty construction makes this a perfect choice in the hardest conditions (stones included) or in tender Turf where gentle handling is required.

**Brouwer Kesmac**

*Kesmac 2150 Sod Harvester*

The Kesmac 2150 is found in many warm season farm applications. The cutting head is simple and durable. The unique beam pivot point provides excellent floatation to follow the contours of the ground with the fewest moving parts. The long cut-off frame is ideal for chopping off in the tough rhizomes and hard soil conditions. The low profile mat is gentle on turf and long on durability. The Cutting Head is easily accessible for servicing and making adjustments for the best quality of cut.

**Bucyrus Equipment Company, Inc.**

*Model 420SRA Pull-Behind Big Roll Harvester*

This compact, one-person big roll harvester speeds production while reducing labor. Features include:

- Increased harvesting speed and reduced labor cost
- Harvest with one person in climate-controlled cab
- Auto steer for precision guidance, less wasted turf
- Hydraulic chop-off assembly for accurate, consistent lengths of cut
- Anti-vibration timing belts reduce cutter head vibration
- Two cameras to monitor harvesting operations, allowing the operator to view harvesting while looking forward

For more information, visit [www.magnumenp.com](http://www.magnumenp.com).
SOD HARVESTERS

Bucyrus Equipment Company, Inc.

**Model 420SR Semi-Automatic Big Roll Harvester**

The Magnum 420SR Big Roll Harvester incorporates features of the Magnum 42 as well as some features from the Magnum 4200AR:

- Hydraulic chop-off assembly for accurate, consistent lengths of cut
- Large removable tube rack for less down time, easy reloading
- Tube injector for quick, easy tube addition
- Self-starting conveyor to eliminate wrapping turf around the tube by hand
- Rear rubber conveyor mat for longer life, less maintenance
- Net injector to introduce net to the big roll at the start or end
- Net splitter for harvesting two 21- or 24-in. rolls
- Upgraded hydraulic components to increase efficiencies and harvest speeds

For more information, visit [www.magnumenp.com](http://www.magnumenp.com).

Bucyrus Equipment Company, Inc.

**4200AR Automated Harvester**

This harvester is automated for one person with all of the controls on a cab-mounted control panel. From the comfort of the cab, one person can control procedures, such as setting lengths of big rolls, roll tension, dumping of big rolls (rolls are dumped to the side so they will not interfere with the next pass), injecting tubes and netting.

For more information, visit [www.magnumenp.com](http://www.magnumenp.com).

Bucyrus Equipment Company, Inc.

**Magnum Pallet Sod Harvester**

The Magnum Pallet Sod Harvester cuts small rolls, folds or slabs, two at a time, in 16-, 18-, 21- or 24-in. widths. Production is faster with less turn around. The pallet is carried between stackers for easier stacking and pieces are guided into place. A foot pedal will lower the pallet so stackers do not have to lift pieces. This machine easily converts to a big roll harvester. For more information, visit [www.magnumenp.com](http://www.magnumenp.com).

Bucyrus Equipment Company, Inc.

**Magnum Big Roll Harvester**

The Magnum Big Roll Harvester is a pull-type unit powered by the PTO of a 40- to 60-hp tractor. Dual floating cutter heads produce consistent cuts in 30-, 32-, 36-, 40-, 42- and 48-in. widths. Two variable speed mats produce the tightest roll possible. A patented netting system applies the net to the sod after it is cut and before it is rolled. This allows weak or immature sod to be successfully harvested and installed. For more information, visit [www.magnumenp.com](http://www.magnumenp.com).
FireFly Equipment
ProSlab 155
FireFly Equipment’s self-propelled ProSlab 155 improves productivity and reduces maintenance. New for 2017, FireFly has connected with Trimble to offer a GPS-ready machine. Look to FireFly for proven performance in turf and conditions you didn’t think could be automated.

- Rotated tie-in layers
- Single/multi-slab modes
- Drop-on-the-fly pallets
- Single or double-sided pallets
- Cleanest pallets in the industry

The ProSlab produces a superb pallet with low field impact with:

- Patented floating cutterhead
- Patented electric chop
- Proven depth control system

In the TurfView cab, the operator always has a clear 360° view—without twisting or straining. The heart of the ProSlab is its patented electric stacker—simply the smoothest, fastest, and most accurate stacker in the industry. It’s also one reason the ProSlab is the most fuel efficient slab harvester in the world.

For more information, call Dave at 801-842-1327 or email sales@fireflyequipment.com.

KWMI
Rollmaster
The Rollmaster automated harvester is controlled from the tractor. It is also available as a standard two-person operation. Features include:

- Operator-friendly control panel
- 32-tube dispenser
- Long-lasting conveyor chain
- Self-contained hydraulic system with dual 22-gpm pumps
- Hydraulic oil cooler with automatic electric fan
- Large flotation tires
- Available in 30-, 42- or 48-in. solid cut or 42- or 48-in. double cut automated or standard series

Option: Bi-directional side discharge conveyor eliminates need for forklift driver

KWMI
RL Series Big Roll Harvester
The RL30 and RL42 big roll pull-behind harvesters feature:

- Full floating head to produce a more even harvest
- 100 percent self-contained hydraulic system (no need for tractor remotes)
- Two-stage 540 PTO pump, allowing lower rpm
- Rear-mounted hydraulic provides ground operator with controls
- Adjustable head speed
- Hydraulic tube clamp
- Electric depth control
- RL42 and RL42D: netting applicator
- RL42 and RL42D: built for large or small farms

Option: Electric counter with horn
**AVOID CHLORIDE-INDUCED TURF BURN**

Why Turfgrass Producers Are Making the Switch to Protassium+

Many turf producers supply their turfgrass with fertilizers that contain high levels of potassium and chloride. While high potassium content is beneficial, high chloride content often leads to turf burn and increased stress. To avoid the detrimental effects of chloride, turf producers have turned to Protassium+™ premium sulfate of potash (0-0-50-17S), a premium K source with more to offer.

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>Protassium+™</th>
<th>Muriate of Potash</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloride</td>
<td>Less than 1%</td>
<td>47%</td>
</tr>
<tr>
<td>Salt Index</td>
<td>0.85 per unit of K₂O*</td>
<td>1.93 per unit of K₂O</td>
</tr>
<tr>
<td>Sulfate Sulfur</td>
<td>17%</td>
<td>0%</td>
</tr>
<tr>
<td>Potassium</td>
<td>50%</td>
<td>60%</td>
</tr>
<tr>
<td>Versatility</td>
<td>Turf Granular Mini Granular Greens Grade Soluble Fines</td>
<td>Limited</td>
</tr>
<tr>
<td>Organic Certification</td>
<td>OMRI</td>
<td>No</td>
</tr>
<tr>
<td>Best Value</td>
<td>✓</td>
<td>X</td>
</tr>
</tbody>
</table>

*Lower salt index has higher level of safety.

**THE NEED FOR POTASSIUM**

Turfgrass harvest removes up to 160 lbs. of K₂O per acre of soil. Without proper potassium application and replenishment, durability and appearance of turfgrass can be greatly compromised.

**TWO ESSENTIAL NUTRIENTS**

Known as the 4th major nutrient, sulfur serves many essential functions in turf growth, such as chlorophyll formation and enzyme activation. With Protassium+, turfgrass receives 17% of readily available sulfate sulfur, rather than elemental sulfur, which can take weeks or months to convert.

**INCREASED STRENGTH**

Potassium has a strong influence on improving turfgrass drought tolerance, cold hardiness and disease resistance. Containing 50% K, Protassium+ can help cultivate durable, resilient turf.

**THE BENEFITS OF PROTASSIUM+**

If poor water quality is present or high salinity exists, Protassium+ is beneficial. With virtually no chloride and a low salt index, Protassium+ does not deposit additional salts into the soil.

Contact your local retailer or Compass Minerals at 800.743.7258.
SOD HARVESTERS

KWMI
3030 Big Roll Sod Harvester
The KWMI 3030 Big Roll Sod Harvester is a user-friendly, three-point hitch machine featuring:
• 540 PTO pump-driven
• Netting attachments
• On-the-go depth control

KWMI
Slab/Mini-Roll Harvester
This harvester features a floating head designed to reduce scalping and deliver uniform sod thickness. Available on the John Deere 5065E and 5065M as a slab or mini-roll unit in 16-, 18- and 24-inch cut. Standard features include:
• Tarp rack
• Canopy
• Hydraulic depth control
• Side-cut coulters
• Operating lights
Options:
• Hydraulic auto steer
• Cross conveyor for rolling attachment
• 54-in. x 48-in. pallet wall cavity

KWMI
Quick-Hitch Harvester
This harvester unit easily converts from a slab to mini-roll harvester. Features include:
• Floating head
• Coulters for cutting width
• Bed knife to cut under sod for precision cut
• Hydraulic depth control
• Variable speed cutter-head and conveyor
• PTO pump hook-up
• Tarp rack
• Pallet rack
• Three wall pallet cavity for neater pallets
• Available in 16-, 18- or 20-in. width cut—slabs or rolls

Redexim North America
Turf Cutter 610
The new Redexim Turf Cutter 610 is a revolutionary implement that cleanly cuts sod for repairs in lawns, fairways, sports fields, and nursery applications. The machine can be used to cut a variety of turf types and to precisely shave the last bit of soil at your work site to prep a clean bed and move existing turf to a new location. The Turf Cutter 610 is a PTO driven machine that can be used with a compact tractor or a Redexim Carrier. The low levels of vibration created by the Turf Cutter cause almost no fatigue to the operator, allowing projects to be completed more quickly and efficiently than the competition. The adjustable angle on the Turf Cutter 610 allows use in all types of grass and the belt drive makes it simple to maintain.
SOD HARVESTERS

Sales Midwest, Inc.
New and Used Sod Harvesters
Sales Midwest offers an assortment of new and used sod harvesters, including Brouwer Kesmac Harvesters. Various models of traditional and automated sod harvesters are available. Visit www.salesmidwest.com, email tim@salesmidwest.com, or call 913-254-9560 for more details.

Trebro Manufacturing, Inc.
AutoStack II
New Automatic Flap Control System
The Trebro AutoStack II high production stacking turf harvester is designed for one-person operation. A new heated and air conditioned cab uses curved glass panels both front and rear for maximum visibility. A 140 hp Cummins engine with all-wheel hydrostatic drive and large flotation tires allow the AutoStack II to harvest through wet, muddy conditions. In hot, dry conditions, the machine keeps harvesting with twin 24-in. cutting heads with dual adjustable down pressure.
Other features include:
• New automatic roll flap positioning system
• Modular control system with diagnostics interface
• Automatic stacker, conveyor back and head lift sequence
• Larger, more powerful cutting head motors
• Simplified and robust stacker spear bar and rotate mechanisms
• Scrap dump for disposal of bad rolls
• Drive system with 25 percent more torque and top end speed
This machine quickly pays for itself delivering maximum productivity and sod quality with minimized waste and downtime. More information at www.trebro.com.

Trebro Manufacturing, Inc.
SC 2010 Roll-Ne
New Automatic Flap Control System
The SC2010 Roll turf harvester is powered by a 99 hp Cummins engine. The front axle with 170-degree steering capability provides maneuverability for smaller fields and faster end-of-row turns. All-wheel drive with rear wheel anti-spin control keeps the SC2010 Roll on track in muddy conditions. The deluxe cab with anti-vibration mounts has heat and air conditioning and improved visibility of the cutting head, conveyor and stacking functions.
The new Automatic flap control system places the flaps in position for consistently neat, stable stacks. Now available in a 21-; 23- or 24-in. cut widths with the floating cutting head and adjustable down pressure to deliver a smooth, even cut. The new optional pallet squeezer keeps the turf rolls within the pallet size dimensions to meet international truck load widths. A rear-mounted automatic pallet injector holds 10 empty pallets. An optional pallet lift can be installed for double-sided pallets. Please visit www.trebro.com.
SOD HARVESTERS

Trebro Manufacturing, Inc.

**SC 2010 SLAB**
The SC 2010 Slab automatic turfgrass harvester offers many features to maximize efficiency and productivity. With all-wheel drive and rear-wheel anti-spin control, the harvester stays on track in wet, muddy conditions. The 170-degree front steering axle with zero turning radius makes this harvester suitable for smaller fields. Full pallets of turf can be quickly backed out of the way when a forklift is unavailable. The harvester’s cab has been designed for operator comfort and visibility. Trebro’s exclusive floating cutting head is available in a 21-in. or 24-in. wide cut and has adjustable down pressure to maximize productivity with minimal waste. Slabs are picked up and stacked by a hydraulically-powered hook system that is gentle on turf and produces tight, stable stacks. The rear-mounted pallet injector holds 10 empty pallets and can be equipped with an optional pallet lifter to use double-sided pallets. Please visit www.trebro.com.

Turf Tick Products

**Turf Tick Sod Harvester**
Turf Tick’s detachable sod harvester provides top-quality cut and high speed with extremely-low maintenance costs. With reel floating head design, the counter-balanced cutting head pivots independently from the conveyor. Counter-balanced cutting blade drive provides low noise, low vibration, sharp edges and equal thickness. Open design with low-weight center point. Electrical depth-control standard. Long-life roller bearings and bushings in all moving parts. Unique rollup system cooperates with sideways-separated conveyor belts. Fits any regular tractor (70-80 hp); connected and disconnected in minutes. Automatic fine adjustment for cutting depth push-button controlled from driver’s seat or stacking position. The carrier, with pallet and stacker platform, is mounted in the tractor 3-point hitch and carries the back of the harvester. A weight-sharing system transfers most pallet weight to the tractor. Available for 16-, 18- or 24-inch rolls, capacity up to 1,700 square yards/hour. Optional coulter discs cutting system with reversible blade and a front-mounted brush.

Turf Tick Products

**Turf Tick Big Tick Sod Harvester**
The Turf Tick big roll harvester is the best and most economical solution for high quality big rolls. The heavy frame weight and solid pressure roller levels the soil out while cutting. The machine has a floating mount with the 3-point hitch on the tractor. The big roll has sharp edges due to the adjustable coulter discs on the bottom roller. A middle disc coulter can split the rolls in two parts. The roll is held by a hydraulically controlled clamp. The Big Tick has a heavy duty gearbox and top quality bearings for all rotating parts. The drive system is a mechanical powered system, optional is the automatic chop off with a computer controlled length counter, the depth adjustment is electrical. Working width of the machine is 40-in. (2 x 20-in.) or 48-in. (2 x 24-in.). 2 – or 4-wheel drive 40 hp tractor is minimum, Category 11, 3-point hitch.
Turf Tick Products  
*Turf Tick Universal Stacker*

The Turf Tick Universal Stacker, based on the familiar Turf Tick sod harvester, a fully automatic stacking machine to the latest state. This machine has a working width of 16-in. (40.6cm) for pallet sizes of 32-in. x 48-in. (0.80 x 1.20m), 40-in. x 48-in. (1.00m x 1.20m), and 48-in. x 48-in. (1.20 x 1.20m) and can stack in any pattern. Suitable for 4WD tractors from 75 hp. The automatic stacking machine can be offered with or without tractor. The harvester is equipped with a pallet injector, able to collect 7 pallets, a coulter disc assembly with special reversible blade and roll control™ and rear steered wheel.

**SOD INSTALLERS**

*Brouwer Kesmac*  
*Brouwer RM 2430, RM 2442 & RM 2448 RollMate Big Roll Sod Installer*

- New Hydrostatic transmission
- Re-designed with easier to operate fingertip controls
- New rear wheel design
- New Heavy-duty steel frame design
- Excellent for large roll installation on slopes
- Installs 24 in., 30 in., 42 in. and 48 in. rolls
- Pivoting rear tire steering for minimal turf damage or scuffing, excellent maneuverability
- Electric Start 11 hp Honda engine

*Brouwer Kesmac*  
*Brouwer SLH 2430 Big Roll Sod Installer*

- 3-point hitch design (fits standard tractor 3-point hitch)
- Using the tractor hydraulics, operator can clamp and raise the roll for transport from tractor seat
- Sod turns on bearings for easy unrolling without tearing sod
- Sod can be handled and unrolled without the use of core tubes
- Heavy steel frame
- Inexpensive to own and maintain
- Easily adaptable to install either 24 in. or 30 in. wide rolls of sod

*Bucyrus Equipment Company, Inc.*  
*Magnum Installer*

The M Series turf- and operator-friendly four-wheel drive installer combines efficiency and dependability into a machine weighing less than 2,000 pounds. The concept for this installer grew out of the need for a lighter weight, quickly moving vehicle for the installation of big rolls—one that could handle the terrain but not damage the turf. Curbs and slopes present no problem for this installer which can be operated at speeds up to 10 mph. The Magnum Installer features hydraulic clamp arms and wide flotation tires. For more information, visit www.magnumenp.com.
KWMI

**Track Installer with Clamp System**

This track installer now has the option of a clamp or bar hook-up that is easily changed as needed. The machine also has a larger pocket for the sod roll, and balances with or without a load.

Features include:

- All-terrain rubber-tracked unit with 2,500-lb. load capacity
- Installs rolls 24- to 48-in. wide
- Outstanding visibility and easy operation allow tight seams and wall-to-wall installation
- Maneuverability and low ground pressure tracks allow for installation in tight areas, all soil and weather conditions

Model 4227 and Model 4827 are available with a 27 hp Kohler engine. Model 4826D is available with a Kubota diesel engine. Optional attachments include pallet forks, sod roller, and mini-harvester—allowing the operator to cut and install with same machine.

KWMI

**Wheel Installer**

The KWMI Wheel Installer is a four-wheel-drive all-terrain machine featuring:

- 27 hp Kohler engine with a dual air-filtration system
- Optional 31 hp Kubota diesel engine on 42- and 48-in. turf installers
- Hydraulic transmission exchanges speed for torque
- Front and rear hydraulic wheel motors pull in tandem
- Rear wheel steering allows for tight turning radius
- Single joystick controls forward/reverse movement and roll-lifting
- 2,500-lb. load capacity
- Hydraulic roll clamping system or traditional bar system available

**Sales Midwest, Inc.**

**New and Used Sod Installers**

Sales Midwest offers an assortment of new and used sod installers. That includes the Brouwer Rollmate Series with various models of walk behind installers, which can install different size sod rolls (24-, 30-, 42-, and 48-in.). Visit www.salesmidwest.com, email tim@salesmidwest.com, or call 913-254-9560 for more details.

TRILO

**TRILO BRL 120 Big Roll Installer**

Turfgrass producers can lay sod in front of them and roll it tight with the BRL 120’s 7 hydraulic driven wheels. With a maximum roll width of 4 ft. (120cm), a soccer field can be installed within one day. The driving speed is variable up to about 11 mph (18 km/h). The operator’s platform has a side shift from 4 ft. (120cm), providing good visibility. A smart feature guides the laying process, resulting in a field without trace of seams. The machine is very maneuverable and easy to operate. www.trilo.com.
**Brouwer Kesmac**

*Kesmac Root & Surface Pest Controller
4, 8 & 12 ft. Models*

The Kesmac Root and Surface Pest Controller controls grubs, mole crickets, chinch bugs and other turf pests on top of or below the surface and also easily doubles as an aerator. It punctures the surface to root level while maintaining ability to use and harvest turf. The Root and Surface Pest Controller features 6-inch standard spacing, and pressurized streams penetrate from 1 to 2½ inches deep.

Two models are available: 4-ft. engine driven for golf and sports turf; and 8-ft. and 12-ft. PTO driven for turf farms. The 8 and 12 ft. models feature a 300-gallon tank.

The Root and Surface Pest Controller features quick hydraulic lift for easy transport and is designed to be easily operated using a standard mid-size tractor.

**Magnation Water Technologies**

*Turfbolt™*

Transform water quality with Magnation’s powerful Turfbolt™ to a more vibrant, productive and energized state. Eliminate dry spots and improve soil infiltration, improve moisture retention and boost soil health—resulting in better quality and denser, safer and greener turf with 20 percent less water. Reduce chemicals, fertilizers and inputs by 10 percent. Save energy while also keeping sprinkler emitters and hoses free of mineral scale buildup. Excellent for sprinklers and hoses, and can be used in seeders and fertigation. Available sizes include ¾-in., 1-in. and 1.25-in., and come in hose and NPT threads. Easy to use and long lasting, ROI is typically within one year. With a usual lifespan of 10-15 years, enjoy the benefits year after year. Magnation enables you to do more with less, sustainably. Chemical-free, energy-free and maintenance-free—and zero byproducts.

**SPRIGGING EQUIPMENT**

**KWMI**

*Sprigmaster II*

The Sprigmaster II converts solid sod to sprigs and plants in one pass. It processes slabs, mini-rolls or big rolls into sprigs. Standard features include:

- Hydraulic overdrive
- Spring-loaded and swivel coulters
- 2-in. spacing
- 26 coulters
- High-speed carrying wheels

**Options:**

- Slab or mini-roll back
- Extra blades for a finer cut
STAPLES/TACS

**Sales Midwest, Inc.**

**Staples and Tacs**

Sales Midwest offers an assortment of staples and tacs. Featured are Birch Sod Sticks, one-quarter-in. by six-in., with a sharp point. According to the company, birch sod sticks are great for installing field net.

Visit [www.salesmidwest.com](http://www.salesmidwest.com), email tim@salesmidwest.com, or call 913-254-9560 for more details.

TIRES

**Pomp’s Tire Service, Inc.**

**Flotation Tires**

These floatation tires have a wider cross section, larger air volume, more flexible carcass and operate at lower inflation pressures. This design produces a large footprint in contact with the ground and distributes the load over a large area, resulting in a reduction in ground pressure. For more information, visit [www.pompstire.com](http://www.pompstire.com).

**R&R Products, Inc.**

**Tires**

R&R Products supplies quality tires in a huge range of sizes for many turf and utility applications. Major manufacturers include Carlisle, Kenda, OTR, Greenball, Titan and more. Call 800-528-3446 or email sales@rrproducts.com to request a free catalog.

TOPDRESSERS/SPREADERS

**Campey Imants**

**Raycam Speeddressers**

The Raycam Speeddressers (18H and 24H) are bulk drop-spreaders to handle sand and topdressing material. The four flotation tires minimize the risk of turf damage and compaction.

The 18H (6 ft./1.828m) and 24H (7 ft. 10 in./2.387m) models offer accurate dressing with high volume using PTO and hydraulic drive through a twin roller system.

For details, see: [www.campeyimants.com](http://www.campeyimants.com).

**Redexim North America**

**Rink 1520**

The 1520 makes large area spreading easier. This trailed unit holds over two tons of wet or dry top dressing, running on large, low-ground pressure flotation wheels. Power to move the self-aligning belt is hydraulic, and either the tractor direct or optional tank and pump is PTO powered. The spread thickness is controlled by belt speed and gate, and the standard drop spread width of 60-in. (1.4m), making this the most versatile topdresser.
Redexim North America

**Rink 2020**

For those requiring the sophistication of the 1520 and needing a model more ideally suited for sports fields, the 2020 PTO direct power model provides an economic alternative. The traditional 2020 with its PTO direct drive system makes it ideal for sportground use where less frequent heavy dressings are the order of the day. The mechanical driven Rink 2020 is ideal to spread coarse material.

Redexim North America

**Rink DS 3800**

The Rink DS 3800 Disc Spreader is a topdresser with dual spinners and a variable spread pattern of up to 15m wide. The operation of the belt and spinners can be done from the tractor seat by switching the hydraulic lever. No unnecessary drop of material takes place between stopping and operation, since the material release gate automatically closes when the belt is stopped. The spinner discs have been designed in a way that they will handle wet material very well.

Redexim North America

**Rink DS 800**

The Rink DS 800 is a topdresser with dual spinners with a spread pattern variable up to 33-ft. (10m). The operation of the belt and spinners can be done from the tractor seat, by switching the hydraulic lever. No unnecessary drop of material takes place between stopping and operation, since the material release gate automatically closes when the belt is stopped. The spinner disks have been designed in a way that they will handle wet material very well.

Redexim North America

**Rink DS 1200**

The Rink DS 1200 is a topdresser with dual spinners with a spread pattern variable up to 30 ft. (10m). The operation of the belt and spinners can be done from the tractor seat, by switching the hydraulic lever. No unnecessary drop of material takes place between stopping and operation, since the material release gate automatically closes when the belt is stopped. The spinner disks have been designed in a way that they will handle wet material very well.

Redexim North America

**Rink DS 2000**

The Rink DS2000 Disc Spreader is a large top-dresser with dual spinners and a variable spread pattern of up to 40 feet. Its total capacity is 2.6 cubic yards and it can cover a lot of turf in a short time. The high floatation tires have a lighter footprint than most competitors and the state of the art spinners leave an even spread pattern that is unequaled.
Redexim North America

**EZ-Spread**
The new hydraulic powered Easy Spread provides all the benefits of its predecessor like the unique Easy Spread one-man operation. This machine can load itself and can spread up to 80 tons a day without the operator leaving the cab. Without a doubt, the Easy Spread is the perfect, low cost solution to what was a most back-breaking task, making it an ideal machine for all sportsgrounds.

Sales Midwest, Inc.

**Used Tractors**
Various used tractors are available from Sales Midwest. Visit [www.salesmidwest.com](http://www.salesmidwest.com), email tim@salesmidwest.com, or call 913-254-9560 for more details.

Poyntz Inc.

**Covered Wagon™**
There is only one Covered Wagon™, the original, soft-sided tarpaulin system, designed strictly with sod growers in mind. Covered Wagon, made in North America, is patented, self-tarping technology. The driver never leaves the ground. With the push of a button, the truly automatic system opens and closes in 20 seconds, providing the ultimate in speed, securement and safety for over ten years. Full digital advertising is “Standard,” with UV Protectant.
Do It Yourself installs on 96-inch and 102-inch wide trailers. Or company approved install centers are available on the East and West Coasts, if so desired. And 2,200-pound safety straps can be electronically welded inside the vinyl at the customer’s request.
Not just a generic name, but a name everyone in the industry uses, so aptly describing the product—Covered Wagon™—that it has its own trademark.
For more information, visit: [http://www.poyntzinc.com/cov_wagon.html](http://www.poyntzinc.com/cov_wagon.html).
VACUUMS/SWEEPERS

Advanced Equipment Sales

**VAC320**
The Sweeper VAC320 has a redesigned pick-up head with four wheels on the deck. The unit combines either a rubber finger or a brush pick-up with the eight-blade steel impeller fan for a 40 percent increase in suction. The 13.3-cu. yd. hopper features an automatic opening rear door for simple unloading, fewer moving parts.

Standard features
- Four large wide flotation tires
- 10- or 12-ft. rubber fingers or brush pick-up head
- 35-in. diameter, eight blade, 3/8-in. steel impeller fan
- Stainless steel-lined impeller housing
- Pick-up head with removable panels for easy access
- Requires 60-75 hp
- Eight-inch hose kit available
- 13.3 cu. yd. corrosion resistant aluminum-sided hopper
- Easy fingertip controls to operate deck, hopper and pick-up head

Advanced Equipment Sales

**VAC220**
The Sweeper VAC220 is available with a rubber finger or brush pick-up head. The machine has been redesigned with four wheels on the deck. The eight-blade steel impeller fan has a 40 percent increase in suction. The VAC220 features rectangular tube steel construction with hydraulic dump and a stainless steel-lined impeller.

Standard features include:
- 10-cu. yd. hopper
- 84-in. brush or rubber finger pick-up head
- Two wide flotation tires
- 35-in. diameter, eight blade, 3/8-in. steel impeller fan
- Stainless steel-lined impeller housing
- Eight-inch hose kit available
- 50–70 hp required

Advanced Equipment Sales

**VAC200**
The Sweeper VAC200 has the same features as the VAC220, but with a 7.1 cu. yd. hopper.
A BREAKTHROUGH IN SUSTAINABILITY

TIFTFU™

Certified Bermudagrass

As water restrictions tighten in many drought-stricken areas of the U.S., golf course superintendents, sports turf managers, property owners and sod producers increasingly value drought-tolerant turfgrass. Selected for its superior drought and wear tolerance, TIFTFU™ has been rigorously developed and tested for more than two decades by a team of researchers led by Dr. Wayne Hanna and Dr. Brian Schwartz at UGA’s Tifton Campus.

TIFTFU™ was bred in 1992, as one of 27,700 experimental bermudagrass genotypes. In 1999, ninety of the most promising genotypes were planted under a rainout shelter and evaluated through 2001 under deficit irrigation. Under this drought stress, TIFTFU™ (tested as experimental name DT-1) maintained its quality and green color the longest. In 2011 continuing drought study testing established that TIFTFU™ requires 38% less water than Tifway. Since then, TIFTFU™ has been further tested in 19 drought-stress trials, 2 sports field wear tolerance trials and 4 irrigated, non-stress trials at The University of Georgia, The University of Florida, North Carolina State University, Oklahoma State University and Texas A&M University as part of the Federal Specialty Crop Research Initiative (SCRI) grant. It has now been determined that TIFTFU™ will become the University research standard by which all drought tolerance will be determined.

In 2013, TIFTFU™ was entered into the National Turfgrass Evaluation Program (NTEP) bermudagrass trials where it is being evaluated in 20 locations across the United States until 2017. NTEP results from 2014 reveal that TIFTFU™ scored the highest quality ratings in the following test locations: North Carolina, Florida, Mississippi, Tennessee, Texas, Oklahoma and California. TIFTFU™ also ranked in the highest statistical group for quality in Alabama, Georgia, Indiana, Kansas, Kentucky and Missouri.

Fine textured and dense, TIFTFU™ exhibits several additional stellar qualities, including superior wear tolerance, early spring greenup, excellent fall color retention and extremely rapid grow-in. If you’re seeking a truly superior turfgrass for performance, aesthetics and sustainability, you’ve just found it.

USDA drought-tolerance trial (left to right): TIFTFU™, Latitude 36™ and Celebration™.

While researching TITFUF™, I was impressed by the cultivar’s tolerance to adverse conditions, particularly drought, low fertility, traffic and cool weather. In the trial work I conducted, TIFTFU™ was the first cultivar to green up in the spring, the last to go dormant during drought conditions and the most tolerant to traffic. Other notable characteristics of TIFTFU™ include fine leaf texture and high turf density, as well as aggressive growth and establishment rates.”

Alec Kawalewski, Ph. D., Oregon State University

“With its combination of drought tolerance, aggressive growth and superior fall color, it has a great place in the industry.”

Grady Miller, Ph. D., North Carolina State University

“It also survives winters in Kansas. With 94% survival, it is no different than Latitude 36™, Yakon, Patriot™ and Riviera.”

Jared Hoyle, Ph. D., Kansas State University

“TIFTFU™ performed very well on our large-scale Linear Gradient Irrigation System at the University of Florida. It maintained good quality with significantly less water compared to the other commercially produced cultivars.”

J. Bryan Unruh, Ph. D., University of Florida

“We found evidence that TIFTFU™ used less water than Tifway 419 and TifSport. It’s just a very tough and drought-tolerant grass. As soon as it quits raining, TIFTFU™ is still performing well, unlike others that can start to fail.”

Brian Schwartz, Ph. D., University of Georgia

“With today’s extreme environmental conditions, there has never been a greater need for a superior drought- and wear-tolerant grass like TIFTFU™. Its aggressive grow-in under cold and drought conditions makes TIFTFU™ the environmentally and financially successful turfgrass choice. This rigorously tested grass that maintains its color and quality will create the most sustainable, environmentally friendly lawns, sports fields and golf courses around the world.”

Ken Morrow, Co-Founder of The Turfgrass Group

Engineering Better Turfgrass
One Blade At A Time

For more information on licensing opportunities, please contact:
The Turfgrass Group, Inc.
(770) 207-1500 or (770) 710-8139
www.THETURFGRASSGROUP.com
Brouwer Kesmac

*Brouwer BV 85 Turf Vacuum*

The NEW Brouwer BV 85 Turf Vacuum includes an upgraded fan design with additional air flow which now makes it the best Vac to pick-up grass, clipping, leaves, etc. on the market.

**Standard Features:**
- Easy to operate fingertip controls
- Large flotation tires
- Jack stand
- Lightweight with 12.4 cu. yd. capacity
- Corrosion resistant aluminum sides, door & pick-up head
- Hydraulic driven unloading conveyor
- Available in 7 to 10 foot widths
- Anti-scalp turf rollers on Vac Head
- Aluminum pick-up head

**Optional 10 ft. Power Brush Pick-Up Head Features:**
- New rotating brush design / counter rotating bristle brush
- Hydraulically driven
- Adjustable front flotation rollers and gauge wheels

**Accessories:**
- 12 in. diameter hose extension accessory
- Dual wheels and tires

Redexim North America

*Turf Tidy 3000*

The Turf Tidy 3000 is one of our most versatile machines incorporating de-thatching, flail cutting and sweeping. It is designed with a fully floating, cutting head that follows the grounds’ contours ensuring clean and even pick-up and runs on large rear “flotation” tires to minimize compaction. The unique turbo fan makes a clean sweep of cores, leaves, pine needles, paper, and grass clippings. The large hopper means less time emptying and its high lift allows greater clearance when tipping.

Sales Midwest, Inc.

*New and Used Vacuums and Sweepers*

Sales Midwest offers an assortment of new and used vacuums and sweepers. Featured is the Brouwer BV85 Turf Vacuum. According to Sales Midwest, it is the largest capacity turf vac of its type. It is maneuverable, versatile and suited for fast and economical cleanup of large turf areas and hard surfaces. The 120-in. wide pick-up head is equipped with fingers and a powerful suction fan to remove a variety of debris.

Visit [www.salesmidwest.com](http://www.salesmidwest.com), email [tim@salesmidwest.com](mailto:tim@salesmidwest.com), or call 913-254-9560 for more details.
TRILO

TRILO S 8
The multifunctional TRILO S 8 is a mid-size grass collector which fits all needs. The intake capacity of 10.48 cu. yd. (8 cubic meters) facilitates transportation of large amounts of material. Standard equipped on the TRILO S8 includes an 8.5-ft. (2.4m) wide vacuum brush head. The machine has a hydraulic walking floor which helps to restrict the weight of the sweeper. TRILO also offers the TRILO S 4, a compact grass collector, ideal where maneuverability and low ground pressure are required. This compact Grass-collector has a hopper capacity of 5.23 Cu. Yd. (4m), and may be used in the mid-range tractors 40+ hp. The S4 has a 6-ft. (1.8m) vacuum brush, a 10-inch handheld suction hose and comes with 19-inch-wide tires. www.trilo.com

TRILO

TRILO S 12
The TRILO S 12 grass-collector is light in weight, yet heavy in sophistication, this unique machine with its wide tires performs efficiently without leaving a mark on your turf. With a hopper capacity of 15 Cu. Yd. (12cu m) a vacuum brush head with a working width from 12-ft. (3m) wide you can collect your grass clippings under all circumstances. The TRILO S 12 can optionally be equipped with a 4 wheel in line full floating pendling axle to reduce the ground pressure even more. The machine has a hydraulic walking floor which helps to restrict the weight of the sweeper. www.trilo.com

TRILO

TRILO S 16
The TRILO S 16 is the highest capacity machine in the industry. With a capacity from up to 30 acres an hour (12ha) under the heaviest conditions. A hopper capacity of 14 Cu. Yd. (16cu m) and a working width from 26-ft. (8m), standard equipped with 4 wheel in line full floating pendling axle, to reduce the ground pressure even more. The machine has a hydraulic walking floor which helps to restrict the weight of the sweeper. www.trilo.com
Advanced Equipment Sales
P.O. Box 818, 21 Birch St.
Seafort, ON NOK 1W0
CANADA
Contact: John Janmaat
Tel: 519-527-2929
Fax: 519-527-2150
advancedequipment@ttc.on.ca
www.advancedequipmentsales.info
See Ad Page 29

Aqua-Yield
4219 Abinadi Rd.
Salt Lake City, UT 84124
Contact: Clark T. Bell or Landon D. Bunderson, PhD.
Tel: 801-449-9220
Mobile: 801-891-1717
Fax: 801-449-9221
clark@aquayield.com
www.aquayield.com

Bayer Crop Science
2 T.W. Alexander Dr.
Research Triangle Park, NC 27709
Contact: Jose Milan
Tel: 919-549-2831
Fax: 919-549-3947
Jose.milan@bayer.com
www.cropscience.bayer.com.us/

Brillion Farm Equipment
P.O. Box 8
Brillion, WI 54110
Contact: Michael Irish or Amy Wallander
Tel: 855-320-0373
Fax: 888-761-8568
bfesales@landoll.com
www.landoll.com

Brouwer Kesmac
2323 Maple Avenue
Keswick, ON L4P 3E9
CANADA
Contact: Eric Brouwer
Tel: 1-888-341-5113
Fax: 1-905-476-6744
info@kesmac.com
www.brouwerturf.com
www.kesmac.com
See Ad Pages 10-11

Bucyrus Equipment Company, Inc.
P.O. Box 156
Hillsdale, KS 66036
Contact: Steven Dover
Tel: 913-783-4600
Fax: 913-783-4606
steved@magnunharvesters.com
www.magnunep.com
See Ad Pages Inside Front Cover, 61

Cameron Financial, Inc
3200 West End Ave.
Suite 500
Nashville, TN 37203
Contact: Darryl Yochem
Tel: 800-960-4456
Mobile: 919-610-9894
Fax: 800-500-9505
dyochem@cameronleasing.com
www.cameronleasing.com
See Ad Page 101

Campey Imants
Marton, Macclesfield, Cheshire
SK11 9HG
ENGLAND
Contact: Richard Campey
Tel: 01144+1260 224 568
Fax: 01144+1260 224 791
info@campeyimants.com
www.campeyimants.com
See Ad Page 65

Compass Minerals
9900 W 109th Street, Suite 100
Overland Park, KS 66210
Contact: Ryan Keller
Tel: 800-743-7258
Mobile: 606-584-0105
kellerr@compassminerals.com
www.compassminerals.com
See Ad Page 51

Conwed Plastics
2810 Weeks Avenue SE
Minneapolis, MN 55414
Contact: Dan Donohoe
Tel: 800-426-0149
Fax: 800-426-0138
Dan.Donohoe@verizon.net
www.conwedplastics.com

FedEx Office
7900 Legacy Drive
Plano, TX 75024
Contact: Mike Week
Tel: 312-489-3599
Michael.week@fedex.com
www.fedex.com

Firefly Equipment, LLC
655 North 700 West
North Salt Lake, UT 84054
Contact: Steve Aposhian or Dave Collier
Tel: 801-698-5128
Mobile: 801-842-1327
sales@fireflyequipment.com
parts@fireflyequipment.com
service@fireflyequipment.com
www.fireflyequipment.com

First Products, Inc.
164 Oak Ridge Church Road
Tifton, GA 31794
Contact: Carey Parrish
Tel: 800-363-8780
Fax: 229-382-0506
cparrish@1stproducts.com
www.1stproducts.com
See Ad Page 71

Harrell’s, LLC
5105 New Tampa Highway
Lakeland, FL 33815
Contact: Dave Nowakowski
Tel: 800-282-8007
Mobile: 786-390-9154
dnowakowski@barrells.com
http://www.barrells.com
See Ad Page 31

Hunter Industries
1940 Diamond Street
San Marcos, CA 92078
Contact: Steve Hoveln
Tel. 760-591-7329
steve.hoveln@hunterindustries.com
www.hunterindustries.com

Kongskilde Industries Inc.
19500 N. 1425 East Road
Hudson, IL 61748
Contact: John J. Paul
Tel: 309-820-1090
Mobile: 563-343-7830
Fax: 309-820-1364
jop@kongskilde.com
www.kongskilde.com

KWMI
26264 US Highway 98
Elberta, AL 36530
Contact: Clark Woerner
Tel: 251-986-7900
Fax: 251-9867902
sales@kwproducts.net
www.KWMIEquipment.com
See Ad Page 25, 101

Lebanon Turf Products
1600 E. Cumberland St.
Lebanon, PA 17042
Contact: Murray Wingate
Tel: 800-233-0628
Fax: 800-806-8580
mwingate@lebanonturf.com
www.lebturf.com
<table>
<thead>
<tr>
<th>Supplier Listing</th>
<th>Supplier Name</th>
<th>Address</th>
<th>Contact Person</th>
<th>Phone</th>
<th>Email</th>
<th>Website</th>
<th>See Ad Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnation Water Technologies</td>
<td>Mike Jenzeh</td>
<td>660 4th Street</td>
<td>510-467-4000</td>
<td><a href="mailto:mike@rainlikewater.com">mike@rainlikewater.com</a></td>
<td><a href="http://www.RainlikeWater.com">www.RainlikeWater.com</a></td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>Master Craft Industrial Equipment Corp.</td>
<td>Mark Mann</td>
<td>333 Southwell Blvd.</td>
<td>229-386-0610</td>
<td><a href="mailto:Mark.mann@mchsi.com">Mark.mann@mchsi.com</a></td>
<td><a href="http://www.mastercraftforklift.com">www.mastercraftforklift.com</a></td>
<td>94</td>
<td></td>
</tr>
<tr>
<td>Northwest Tillers</td>
<td>Mike Marquis or Andy Beaman</td>
<td>P.O. Box 10932</td>
<td>800-204-3122</td>
<td><a href="mailto:mmarquis@MARQ.NET">mmarquis@MARQ.NET</a></td>
<td><a href="http://www.nwtiller.com">www.nwtiller.com</a></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Pomp's Tire Service</td>
<td>Richard Zarse</td>
<td>1037 W. Broadway P.O. Box 637</td>
<td>800-348-2396</td>
<td><a href="mailto:rzarse@pompstire.com">rzarse@pompstire.com</a></td>
<td><a href="http://www.pompstire.com">www.pompstire.com</a></td>
<td>94</td>
<td></td>
</tr>
<tr>
<td>Poyntz Inc.</td>
<td>Philip Poyntz</td>
<td>Box 519</td>
<td>905-722-4631</td>
<td><a href="mailto:Poyntzinc@xplornet.com">Poyntzinc@xplornet.com</a></td>
<td><a href="http://www.poyntzinc.com">www.poyntzinc.com</a></td>
<td>68-69</td>
<td></td>
</tr>
<tr>
<td>Progressive Turf Equipment, Inc.</td>
<td>Brian Lowe</td>
<td>137 West William St. P.O. Box 940</td>
<td>519-527-1080</td>
<td><a href="mailto:info@progressiveturfquip.com">info@progressiveturfquip.com</a></td>
<td><a href="http://www.progressiveturfquip.com">www.progressiveturfquip.com</a></td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>R&amp;R Products, Inc.</td>
<td>Tim Pringle</td>
<td>3334 E Milher St.</td>
<td>800-528-3446</td>
<td><a href="mailto:sales@rrproducts.com">sales@rrproducts.com</a></td>
<td>rrproducts.com</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Redexim North America</td>
<td>Paul Hollis or Owen Cassel</td>
<td>427 W. Outer Road</td>
<td>636-825-8300</td>
<td><a href="mailto:paulhrci@aol.com">paulhrci@aol.com</a></td>
<td><a href="http://www.redexim.com">www.redexim.com</a></td>
<td>77</td>
<td></td>
</tr>
<tr>
<td>Redox Chemicals, LLC</td>
<td>Trent Whiting</td>
<td>15350 S. Keeler St.</td>
<td>801-866-5878</td>
<td><a href="mailto:trent@redoxchem.com">trent@redoxchem.com</a></td>
<td><a href="http://www.redoxchem.com">www.redoxchem.com</a></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sales Midwest, Inc.</td>
<td>Trent Whiting</td>
<td>18163 Sandy Point Road</td>
<td>804-829-2608</td>
<td><a href="mailto:sales@salesmidwest.com">sales@salesmidwest.com</a></td>
<td><a href="http://www.salesmidwest.com">www.salesmidwest.com</a></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Sod Production Services</td>
<td>Brian Walker</td>
<td>16541 Gothard Street</td>
<td>804-432-6383</td>
<td><a href="mailto:brian@madproservices.com">brian@madproservices.com</a></td>
<td><a href="http://sodproductionservices.com">http://sodproductionservices.com</a></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>TAMANET (USA)</td>
<td>Angel Lopez</td>
<td>16541 Gothard Street</td>
<td>714-801-6652</td>
<td><a href="mailto:angel@tamanetusa.com">angel@tamanetusa.com</a></td>
<td><a href="http://www.tamanetusa.com">www.tamanetusa.com</a></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Texas Sod</td>
<td>Bubba Simons</td>
<td>P.O. Box 87</td>
<td>979-245-4115</td>
<td><a href="mailto:bubba@texassod.com">bubba@texassod.com</a></td>
<td><a href="http://www.texassod.com">www.texassod.com</a></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Tim Agro USA, Inc.</td>
<td>Kevin A. Murphy</td>
<td>P.O. Box 888</td>
<td>863-443-1852</td>
<td><a href="mailto:kmurphy@timacusa.com">kmurphy@timacusa.com</a></td>
<td><a href="http://www.us.timacagro.com">www.us.timacagro.com</a></td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Trebro Manufacturing, Inc.</td>
<td>Ian True</td>
<td>P.O. Box 80390</td>
<td>406-625-5867</td>
<td><a href="mailto:sales@trebro.com">sales@trebro.com</a></td>
<td><a href="http://www.trebromfg.com">www.trebromfg.com</a></td>
<td>93</td>
<td></td>
</tr>
<tr>
<td>Trimax Mowing Systems</td>
<td>Ray LeProu</td>
<td>1145 Uniform Road</td>
<td>770-412-8402</td>
<td><a href="mailto:Ray.leprou@trimaxmowers.com">Ray.leprou@trimaxmowers.com</a></td>
<td><a href="http://www.trimaxmowers.com">www.trimaxmowers.com</a></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Turf Tick / Vanmac BV</td>
<td>Nannings van Vuuren Sales</td>
<td>16541 Gothard Street</td>
<td>804-432-6383</td>
<td><a href="mailto:sales@nannings-turftick.com">sales@nannings-turftick.com</a></td>
<td><a href="http://www.nannings-turftick.com">www.nannings-turftick.com</a></td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**ANNUAL EQUIPMENT & PRODUCT BUYER'S GUIDE**

**TPI Turf News** November/December 2016
The new Trebro TSR is a self-propelled, automatic stacking, roll harvester that is powered by a 140 HP John Deere® engine. Its automatic flap control roll-up system places the flaps in perfect position for a neat, stable stack every time. Its rear-mounted automatic pallet injector holds up to 20 empty pallets.

The TSR is designed to maneuver extremely well in all field sizes and conditions. Its deluxe cab with air-ride seat, heat and air conditioning rotates 90 degrees to provide the driver excellent visibility of all functions. The TSR is available in 16”, 21”, and 24” cutting widths and it includes a cross-conveyor scrap dump that quickly moves scraps out of the way.

The SC2010 automatic stacking roll and slab harvesters greatly improves harvesting efficiency at every level.

The hardworking machines from Trebro make it easier for turf producers to reduce labor costs and generate greater profits.
Fully Self-Contained AUTOMATIC SLAB HARVESTER

Trebro - TSS

The new Trebro TSS is a self-propelled, automatic stacking, slab harvester that is powered by a 140 HP John Deere® engine. With all-wheel hydrostatic drive, large flotation tires and a tight turning radius, the TSS maneuvers extremely well in all field sizes and conditions.

The deluxe cab with air-ride seat, heat and air conditioning rotates 90 degrees to provide the driver excellent visibility of all functions. The TSS has a 16” dual chop off feature for 16” x 24” slabs and it is available in 16”, 21”, and 24” cutting widths. It has a 20 empty pallet capacity and cross-conveyor scrap dump that quickly moves scraps out of the way.

AutoStack II™

The AutoStack II is the ultimate, one-man turf harvesting machine.

To boost your bottom line, contact Trebro today!

888-395-5867 • 406-652-5867  www.trebro.com
THE LAWN INSTITUTE (TLI)
HAS EXCITING NEWS!

By Nancy Aerni

Fundraising efforts by The Lawn Institute are to finance continued research and education which are of paramount importance to us all. Our research goal is to make improvements specifically aimed at helping you make better decisions in the profitable production of sod for our small, but vitally important, industry.

Events that your TLI Fundraising Team diligently put together in conjunction with the TPI 2017 International Education Conference & Field Day celebrating our 50th Anniversary include: an ATV raffle, a live auction, a clay shoot, and the Annual Campaign for Forever Green, Gold Benefactor, Green Partner and the 500 Club. TLI also will continue to honor those who have donated.

The ATV Raffle
Several Canadian members have banded together and honored TLI with the gift of an ATV!!! It is a John Deere Gator, RSX high-performance vehicle that is trail-ready and hard-working with a dumping cargo box capable of light duty hauling. Tickets are available from TLI fundraising committee members and board of directors, and through the TLI website. We encourage the sale of tickets outside of our organization to bring new money and awareness to TLI. Individual tickets cost $25.00, or buy a bundle of five for $100.00! Your team is working on other small prizes (must be present to win) to accompany this raffle drawing. All tickets will be put back into the hat for the Grand Prize drawing taking place at Saddlebrook Resort the evening of the TPI 50th Anniversary Celebration Banquet. The Grand Prize Winner does not need to be present to win, but will be responsible for arranging shipment of their brand new ATV from Tampa.

Our Sponsors
Our big-hearted sponsors are:

Advanced Equipment Sales
Brouwer Kesmac
Gerry Brouwer
Greenhorizons Group
John Deere
Load Lifter Manufacturing
Manderley Turf Products
Progressive Turf Equipment
Zander Sod Co. Limited

Live Auction
The Live Auction will be held during the TPI 50 & Fabulous: Celebrating Our Past, Inspiring Our Future Banquet on Wednesday, February 22, 2017. The non-profit foundation has been generously given the following:

- Covered Wagon, All Options – from Philip Poyntz - Poyntz Manufacturing
- Handmade “Gypsy Rose” Quilt in Green and Cream Fabrics – (at least 60” X 78”) by Kim Nugent - Bethel Farms
- Professionally Guided 4 Day Snowmobiling Trip in West Yellowstone for 2 – Gregg Tvetene - Trebro Manufacturing
- Duck Hunting Trip for 2, 2 days of hunting, 3 nights – Eddie Keeven - Emerald View Turf, Tom Keeven - Heartland Turf Farm, Jim Keeven – SelecTurf Inc.
- Monthly Steak & Wine Club – Steven Dover - Bucyrus Equipment
- Case of Oregon Wine – (where legal, includes shipping), John Rector – Barenbrug
- Dinner for 8 anywhere in the North America – prepared in your kitchen, Hank Kerfoot - Modern Turf
- Brouwer Turf Roller, Model #BTR30 – Free delivery in North America, Gerry Brouwer - Brouwer Kesmac
- Green Amethyst Jewelry Settings – (stones) Bob & Jenifer Weerts - Blue Valley Sod, (settings) Randy & Hilda Jasperson - Jasperson Sod Farm
- 2 – 50 Quart Bison Coolers – Ed Lee – Summit Seed
- Registration & 4 Nights Hotel for the TPI 2018 International Education Conference & Field Day and a Steak Dinner for 8 – (registration and hotel) TPI, (steak dinner) Bob & Jenifer Weerts – Blue Valley Sod

We trust that you will find at least one of these opportunities intriguing and are prepared to bid generously. It’s not a successful auction if we don’t have bidders!
Clay Shoot
For those who missed the Clay Shoot in Houston—here’s another opportunity to have a great time! The beauty of the clay shoot is that talent is not a requirement to participate in the day’s events—and you are able to mingle and converse with others from our organization pretty much all day. Observing the sharp shooters in our midst is a lot of fun! Mulligans are available (all donations go to TLI) for those who might like additional shots while on the course. There are various sponsorship opportunities during this event as well. Transportation, rifles, ammo, safety goggles, ear plugs, lunch and beverages are all provided in the event fee. All women and men, young or seasoned, are encouraged and most welcome to participate! (Those under 18 must be accompanied by an adult.) For information on the venue, Tampa Bay Sporting Clays, please visit www.mytbsc.com.

The Team
Your 2016-2017 TLI Fundraising Volunteer Team is: Gerry Brouwer; Doug Lechlider; Jason Pooler; Ali Dover; Eric Heuver; Ben Copeland, Sr.; Hank Kerfoot; John Rector; David Bradley; Jenny Carritt - serving as secretary; Angel Lopez - serving as vice-chair; and Nancy Aerni - serving as chair.

Questions?
Please visit the website www.TurfGrassSod.org for detailed information on these upcoming events! Your volunteer team is also willing to answer any questions you have.

With your ongoing support, TLI will continue to advance its mission of educating the general public on the benefits of turfgrass and supporting research … which in the end supports us all!

Nancy Aerni is TLI Fundraising Chair.
By Suz Trusty

Editor’s note: This is the fifth in a series of articles covering university reports on their turfgrass breeding and research programs. If your University is involved in turfgrass breeding, please contact suztrusty@TurfGrassSod.org for the opportunity to feature your program in an upcoming issue of Turf News.

Dr. Kevin Kenworthy, Professor, Plant Breeding, University of Florida’s Institute of Food and Agricultural Sciences (UF/IFAS) Agronomy Department, has a “real world” perspective that drives his turfgrass breeding and research program. That—combined with his commitment to the collaborative process—is opening doors to advancement across the state of Florida, within his broad network of collaborative partners, and throughout the turfgrass industry. And he’s doing it all with a smile, a welcoming handshake, and a core of integrity that builds trust and cooperation.

In 2004, when Dr. Kevin Kenworthy stepped into his turfgrass breeding and research position, the University of Florida had limited germplasm, nothing on the scale needed to build the program he envisioned. So he began collecting some material on his own. And, he reached out to some of those heading other University turfgrass breeding programs suggesting a collaborative arrangement and requesting they share germplasm with him. “Some did,” he says. “In 2005, our first fields were planted and we could begin screening materials.” Today, the University of Florida has a vibrant, expansive turfgrass breeding and research program.

Research Facilities

As the turfgrass section of the University of Florida website http://turf.ufl.edu/about_us.shtml reports, it is a collaborative program, with turfgrass research conducted at three UF locations that parallel the diversity found within the state. The details about those facilities included here are excerpts from that site.

The main campus in Gainesville is home to the Turfgrass Research Envirotron, a laboratory, greenhouse, and rhizotron facility. The new G.C. Horn Turfgrass Field Laboratory is located about 30 minutes south at the Plant Science Research and Education Unit in Citra, where conditions are similar to much of Central and Northeast Florida. It features over 30 acres of turfgrass research plots for evaluation of turf management, selection, physiology, nematology, pathology, and entomology. While Dr. Kenworthy’s research initiatives extend throughout the state, he is based in Gainesville.

In the Panhandle, the West Florida Research and Education Center (WFREC) at Jay simulates the heavier soils and colder temperatures found throughout much of western Florida. The expanding research program at this location is under the direction of Dr. J. Bryan Unruh, who also serves as the state Turf Extension Specialist. His focus is currently 70 percent extension and 30 percent research.

The turfgrass research program at the Ft. Lauderdale Research and Education Center (FLREC) includes development of best management practices for residential lawns and golf course greens, development and evaluation of new turf varieties, Integrated Pest Management (IPM) approaches in turfgrass production and maintenance, turfgrass mineral nutrition, and disease prevention. Dr. Travis Shaddox, Assistant Professor, Turfgrass, oversees this program.

The Program Overview

Kenworthy describes himself as a “hands-on, applied-field, turfgrass breeder.” His initial emphasis was on zoysiagrass because of the germplasm supply and the availability of funding from various sources. St. Augustine is the number one turfgrass commodity in the state. So he revved up the research on it and bermudagrass. In 2009, he started a program on bahiagrass. Kenworthy says, “These are the four main species grown in Florida and we’ve built a decent sized program on each of them.
“I want to develop grasses more adapted to Florida and have an excellent team of collaborators within the university that apply their expertise to that goal. Nematode resistance and tolerance is a prime factor here and UF has a world-renowned nematologist, Dr. William T. (Billy) Crow, who is a key part of that team. Dr. Phil Harmon, UF turfgrass pathologist, is critical for his work on large patch and other important diseases; and is the principal investigator in screening for large patch and take all on St. Augustine. Chinch bug resistance is a huge issue, and an entomologist new to UF, Dr. Adam Dale, is continuing the research already underway in turfgrass entomology. Dr. Ramon Leon, also located at WFREC, is screening for herbicides that may be used safely and effectively once a cultivar is commercially released.”

Molecular research is also part of the UF program. “One of our grad students has been working on developing markers to screen for large patch resistance. Results of that research will be available in the next few months. We hope to do more in this area in the future, but will proceed slowly, as a few other turfgrass programs have a greater emphasis on molecular components.”

**What’s Happening—USDA Funding**

UF, with Kenworthy at the helm, participated in the five-year, U.S. Department of Agriculture (USDA)-funded, Specialty Crop, Coordinated Agriculture Projects (CAPs) which partnered six breeding programs from five universities—UF, Texas A&M, North Carolina State University, University of Georgia and Oklahoma State University. Started in 2010, with Texas A&M as the lead, that research program focused on the drought and salinity response of accessions of four warm-season turfgrass species: zoysia, St. Augustine, bermuda and seashore paspalum.

During the five-year span of the first grant, each participating program exchanged and evaluated approximately 300 different accessions of each species. Ultimately, each program identified their top 20 accessions. This five-university collaboration is continuing with a new four-year, $4.2 million, USDA-funded, CAPs, which began in 2015, this time with UF taking the lead. Kenworthy says, “We’re taking the screened and identified accessions from the first grant that showed better drought responses and conducting more rigorous studies to better define the observed characteristics. In early 2016, we exchanged and planted each other’s material, along with our own top 20 accessions. We’re looking at their specific water use; how they respond under different water restrictions ranging from twice a week to once a month, to the most severe, chronic drought of no water at all. Turfgrass plant physiologists will examine the changes taking place internally to pinpoint the mechanisms of drought resistance that result in the improved responses.”

A survey of homeowners was part of the first grant, where shade tolerance was identified as the most important trait. Kenworthy says, “Many homeowners don’t understand drought and water related issues, but they can easily see that grass doesn’t grow well in the shade. Dr. Jason Kruse is overseeing shade response evaluations at UF.” Across the five universities there are 24 scientists involved in studies to evaluate drought, shade, herbicides, sod strength, salinity and the socio-economics of adopting new turfgrass cultivars.

**Career Path**

To really understand Dr. Kenworthy’s perspective, you need to know his background. He was just a kid when he started playing golf in his small hometown in Texas. He played in high school and dreamed of becoming a pro. “I’d read the golf magazines visualizing that goal. Yet, even then, I remember seeing articles for a new bentgrass—and wondering what it meant to make a new grass,” he muses.

The summer after high school graduation, he worked on a golf course, Cottonwood Creek. “I loved the work; loved being outdoors; but loved playing more.” Which lead him to the Junior College in Waco, where he was a walk-on...
member of the golf team at McLennan Community College. “I soon realized the pro golf career was not going to pan out, so I thought maybe I could be the one to make the new grass. I had a great teacher in my JC botany course. She was so enthusiastic about her love for plants, it sealed the deal.”

Knowing he’d need a Ph.D., he sought a program that could lead to that goal and found Texas Tech University. There, Dr. Dick Auld, department chairman and plant breeder, became his mentor and advisor. He earned his B.S. in Agronomy in 1994 and his M.S. in Crop Science in 1996.

Kenworthy says, “I kind of got burned out and was checking options when I met Emory Thomas of Thomas Brothers Grass. Ike Thomas offered me the opportunity to earn while I was learning and getting my hands dirty in the sod business. I learned a lot, and having that perspective is priceless, yet I knew during my first day on the job that I was supposed to get my Ph.D.”

Next, he landed at Texas A&M in Dallas, working with Dr. Milt Engelke in turfgrass breeding. His next stop was Tarleton State University at Stephenville, TX, where he developed, managed and taught a turfgrass management program for undergraduate students. Now ready to pursue that long-time goal, he joined the turfgrass breeding program of Dr. Charles Taliaferro at Oklahoma State University, earning his Ph.D. in Plant Breeding and Genetics in 2004.

Kenworthy says, “I like my students to know I didn’t just go in, go all the way through, and get a Ph.D. One straight path is not the only option. I worked in other areas within the industry, then came back to pursue my Ph.D. and get into research. It’s all been worthwhile and the experience I gained has helped make me a better researcher.” It also has been instrumental in shaping his “real world” perspective.

Real World Partnerships

A grass needs to do more than look good to thrive in the marketplace. Kenworthy says, “Some grasses in the past were selected as the winner of the beauty contest. They may not have been good in production or at the end user’s site. So the sod growers’ feedback on the cultivar performance under real world conditions is vital. We need sod studies on harvesting and installation—the sod tensile strength, how they perform in urban landscape conditions, and how they do in regrowth back at the farm. It’s a logical and practical step for the growers to assist with the evaluations and have ownership for what gets released.” Working closely with turfgrass industry groups is a key element of all university turfgrass programs and Dr. Kenworthy’s outreach focuses on building strong, interactive relationships. “Early on, our board recognized Dr. Kenworthy as a top turfgrass researcher, and I believe he’s the best,” says Eric Hjort, third-term president of Turfgrass Producers of Florida (TPF) and general manager of Tater Farms in Hastings, FL. “We determined our association and our members needed to get behind his research and commit our support to getting our University of Florida into the top ten for turfgrass research—and I believe we’re there.”

Hjort continues, “In the past, a new grass would just be brought to us. Dr. Kenworthy recognized that a great job of research within the parameters of the university system can only go so far. As sod growers, we have the real world production experience and the customer experience to understand their expectations. Dr. Kenworthy came to the growers offering to allow us to get our hands on these grasses much earlier in their development process.” Kenworthy also recognizes that success in the marketplace requires a marketing component when a new grass is ready to launch. He says, “It takes a three-way bridge of connections—the university research, the turfgrass producers as funding and research partners, and an industry-savvy marketer, such as Sod Solutions. That’s the real world partnership we’ve developed.”

TPF Executive Director Betsy McGill explains how the collaborative programs are structured, “In 2012, the Turf Research Florida Zoysiagrass breeding program was established with Sod Solutions as the licensee and TPF a cooperating research partner. In 2015, TPF partnered with UF and Florida Foundation Seed Producers on a four-year research agreement to further evaluate St. Augustinegrass lines currently in Dr. Kenworthy’s breeding program. Sod Solutions is serving as a cooperative marketing and research partner for this agreement.”

While Turf News has reported on the basics of these programs in previous issues, we’ve not reported on the extent of the commitment by the participating turfgrass producers and Dr. Kenworthy.
Dr. Kenworthy reports that several sod producers have served as evaluation sites for many of the research trials. “For zoysia, we initially had grasses tested at five different locations: one at our Plant Science Research and Education Unit in Citra; one with Dr. Unruh at WFREC, near Pensacola; and with R.B. Farms LLC (Robbie Brady) at the Lake Placid fields; at Bethel Farms (Will Nugent) in Arcadia; and with A. Duda & Sons, Inc., Lake Placid, where Tom Temple heads the sod division, with the research taking place at their Cocoa Beach location overseen by Chris Leffler, farm manager. The first research plots were established in 2011 and 2012. Until the last few months, I’ve driven around and rated them almost monthly, depending on the location, except for the plots in Jay under Dr. Unruh’s direction.”

Will Nugent says, “At Bethel, we started at the first stage, growing 80 zoysia plots, each 3-foot by 3-foot. They are isolated in our designated research area and we keep them separated as is typical in trials. We follow our standard maintenance practices, whatever we’d normally do, nothing out of the ordinary. And that’s the point of maintaining the plots just like our production fields. It shows how they react to environmental stress factors such as disease and insect pressure, heat and cold. We do compare them and let Dr. Kenworthy know what we think about them, but we’re not collecting the in-depth data. He is collecting and compiling that from across the state. Some of the grasses do well for us; some don’t. We’ve added the same size plots for St. Augustine with grasses selected from CAPs.”

Kenworthy says, “In 2013 and 2014 we selected the top tier of performers from the 3-by-3 zoysia plots for planting in 15-foot by 30-foot plots at the five research sites.”

Hjort says, “Tater Farms came on board for the 15-by-30-foot plots. We have about 36 varieties of zoysia planted and we’re in our third year.” He adds, “With multiple universities sharing grasses and information through CAPs, we may find that one that underperforms in North Carolina or Georgia is excellent in Florida. That collaboration across the country is very valuable.”

The turfgrass producers are making a huge commitment. The research is taking up ground, resources, time, labor, and all the inputs of typical production (water, fertilizers, insect and disease control products).

Kenworthy says, “And that commitment will become even greater. We’ve identified our top seven varieties in the zoysia. Five of those will be selected for 5,000 square foot production blocks at the current four sod farm sites, along with two additional sod farms: SMR Farms in Bradenton and McCall Sod Farm, Inc. in Southport. These will be planted and maintained under each grower’s typical management program. We plan to follow the same steps with the St. Augustinegrass.”

When those production fields are ready for harvest, the next step will be the installation, establishment, and monitoring of performance under typical maintenance practices on selected home lawns. The sod producers will manage the majority to that process but, because Dr. Kenworthy is so committed to this research, he’s sure to be very involved as well.

Hjort says, “The end goal is an attractive grass the consumer likes that offers ease of maintenance, lower inputs, greater disease and pest resistance, and most importantly for us, and probably the rest of the world, drought tolerance and water use efficiency. The return for our farm would be a grass better than anything else we’re growing that we can take to market—and our customers will benefit from it.”

“If we look back on this project in 5 or 10 years, I think we will be able to look at data that gives a good indication of when people need to transition to a new grass and what their options are in terms of water use efficiency,” says Nugent. “We hope this research will be able to help make a grass that we can take to market and that people can adapt to their needs in Florida.”
As TPI looks forward to celebrating 50 fabulous years, there’s no better way to support this milestone than by contributing to the Farm Challenge! The Brookings of Brookmeade Sod Farm have pledged to donate $100 for every year of their 45 year membership and they challenge other farms to do the same. Match their pledge and donate $100 for each year you have been a member. Donations of any size are welcome!

Farm Challenge donations will fund 50th Anniversary Celebration activities and TLI research, education and scholarship initiatives. Make checks payable to The Lawn Institute.

Questions may be directed to the TPI Headquarters office!
NO LINES
BY DESIGN

Redexim
NORTH AMERICA, INC.

REDEXIM.COM  636-825-8300
Compiled by Suz Trusty

The American Sod Producers Association (ASPA) was officially established on July 11, 1967. (It was renamed Turfgrass Producers International (TPI) in 1994 to better reflect the international scope of the association.) This article—covering 2000 to 2009—is the fifth decade-by-decade review of the growth of the association, leading up to the 50 & Fabulous Anniversary Celebration.

Much of the information covered in the “50 & Fabulous—Countdown to TPI’s 50th Anniversary” series of articles was drawn from the History of Turfgrass Producers International, which was developed for the 40th Anniversary of TPI. It was edited by Dr. Wendell Mathews, former editor of Turf News, and Walt Pemrick, TPI president 1983-1984. Among the others assisting with historical documentation, was Dr. James B Beard, and his “Evolution of Turfgrass Sod,” is included in the publication.

The 40th Anniversary book drew on material included in the 25th Anniversary book, titled Turfgrass: Nature’s Constant Benediction, which was co-edited by Janice Betts and Dr. Wendell Mathews. Both books acknowledge and thank the multiple contributors of information and photos. A quote from Turfgrass: Nature’s Constant Benediction sums up not only the compilation of historic background, but also the development of the association, “Together, all of us have done what one person could not accomplish.”

2000

The 2000 TPI Midwinter Conference was held February 8-12 in downtown San Antonio, Texas, at the Adam’s Mark Hotel near the famous Riverwalk. Multiple educational sessions focused on changes in the business world and society and their impact on sod producers. The Hodges/Haydu presentation on “Market Expansion Strategies” updated their ongoing research project, which was funded in part by the International Turf Producers Foundation (ITPF). Another presentation addressed the internet and e-commerce. The issue of water use as it affects turfgrass sod sales was another dominate theme. ITPF initiated a $500,000 “WATER RIGHT” campaign to support water-related research and education. The first annual ITPF Al Gardner Memorial Golf Outing was held. Conference tour sites were: Milberger Landscaping, Bladerunner Farms, and Thomas Bros. Grass/Turfgrass America, where turfgrass root washing of big roll sod was demonstrated.

TPI’s 34th Annual Summer Convention and Field Day was held July 18-21 at the Double Tree Hotel in Spokane, Washington. Ray Turf Farms, Spokane, served as Field Day Host. A total of 775 individuals, representing 222 firms, were registered. A pre-convention Dryland Seed Production Tour and tours of Jacklin Seed and the Travis Foundry were additional highlights of the program. Earl Stack, Pacific Sod, Camarillo, CA, was elected TPI 2000-2001 President.

Turf News editor Wendell Mathews retired after 22 years of service to the magazine. TPI hired Bob O’Quinn as its first Manager of Communications to edit the magazine and other TPI publications. A four-color brochure, “Share The Water,” was introduced to help sod producers and other green industry professionals address the water issue. TPI’s Seventh Study Tour visited South Africa and Zimbabwe. The first turf farm in Russia—Russkie Gasoni—became a TPI member.

Weather was ideal for the 2000 Field Day at Ray Turf Farms in Spokane, Washington.
2001

The 2001 TPI Midwinter Conference was held February 5-9 at the Hyatt Regency in downtown Albuquerque, New Mexico. Key presentations focused on marketing opportunities and techniques and the environmental benefits of turfgrass. Dr. Jay Lehr, the Agribusiness Group, conducted a pre-conference seminar on “Turfgrass Sod Production and the Environment.” Dr. Wendell G. Matthews was named an Honorary Member. The Thursday evening banquet was held at the Midnight Rodeo, where country and western singer Ricky Van Shelton performed. A pre-conference tour of Santa Fe and post-conference tour of Albuquerque were optional offerings.

TPI’s ITPF introduced the 64-page book *Water Right - Conserving Our Water - Preserving Our Environment*, an educational tool for green industry professionals to use in presenting the realities of our planet’s available water supply to water-policy decision makers, businesses, educators and consumers.

TPI’s 2001 Summer Convention and Field Day was held at the Westin Harbour Castle in Toronto, Canada, July 18-21. Field Day Host was the Greenhorizons Group Hamilton Farm in Mount Hope, Ontario, Canada. A pre-convention tour visited the Greenhorizon Group’s Cambridge, Ontario, farm and the Guelph Research Institute in Guelph, Ontario. The Friday Farm/Ag tour visited Zander Sod Farm, Kettleby, Ontario; M. Smilsky Farm, Cookstown, Ontario; and the Kesmac, Inc. facility in Keswick, Ontario. Members of the Nursery Sod Growers of Ontario served as tour guides. Tom Keeven, Emerald View Turf Farm, Columbia, IL, was elected TPI 2001-2002 President.

At this convention, TPI’s Board initiated the process of streamlining the committee structure, while developing more efficient means for member input and communications. Three subsequent strategic planning sessions were held with members, board and staff to determine the best ways to accomplish this objective. To increase accessibility, TPI staff members posted their email addresses.

2002

The Sheraton World Resort in Orlando, Florida, within the Disney “Magic Kingdom,” was the site of TPI’s 2002 Midwinter Conference held from January 28 to February 2. A pre-conference seminar led by Dr. Tom Morgan dealt with ways of communicating to and through media sources. Educational sessions covered topics from growing and marketing proprietary turfgrasses to finding and keeping a qualified labor force. TPI’s Board had approved a full restructuring of TPI’s committee system that resulted in Open Forum Roundtables, Task Forces, Working Groups and Advisory Groups. A First-Time Attendees “Meet and Greet” session was introduced. Dr. Glenn Burton, Earl Nystrom and Woodrow Wilson were named Honorary Members. The post-conference tour visited the Kennedy Space Center.

The TPI 2002 Summer Convention and Field Day took place from July 16-19 at the Fort Collins Marriott in Fort Collins, Colorado. Field Day Host was TurfMaster Sod Farms. The Roundtable Forum was again implemented, giving participants the opportunity to “discuss issues of mutual concern and interest.” Stan Gardner, Gardner Turfgrass, Inc., Westminster, CO, was elected TPI 2002-2003 President. Tours included stops at Colorado State University’s gardens and arboretum and their National Center for Genetic Resources Preservation, as well as other farm and Ag sites.

The Turf and Ornamental Communicators Association (TOCA) honored TPI Executive Director Doug Fender as Environmental Communicator of the Year for his role in developing ITPF’s 64-page book *Water Right - Conserving Our Water - Preserving Our Environment*. To maximize TPI’s public relations efforts and improve efficiency, all PR efforts were brought in-house and the staff increased to six employees.
Twenty countries were represented at TPI’s 2003 Midwinter Conference held February 26-28 at the Hyatt Regency in Birmingham, England, the first to be held outside North America. Pre-conference tours visited London, Windsor Castle, Stonehenge and the JCB factory, a manufacturer of agricultural and construction equipment. Educational Session I featured a panel of international members discussing variables in worldwide turf production. Session II featured presentations and discussions on water concerns. The banquet and live auction, benefitting ITPF, were held at the Birmingham Botanical Gardens. Attendees were “piped” into the dining room by appropriately-attired Scottish bagpipers.

TPI’s 2003 Summer Convention and Field Day took place July 22-25 at the Dayton Crowne Plaza in Dayton, Ohio. Field Day Host was Green Velvet Sod Farms where Randy Tischer, his family and staff welcomed 887 participants. Pre-convention tours visited the Scotts Company biotech greenhouse facilities, Lavy Sod Farms and Scarff’s Nursery. The President’s Leadership Award was introduced in 2003, with the first recipient Art Campbell, Campbell Sod, Rossville, KS.

TPI’s 2004 Midwinter Conference was held at the DoubleTree Resort in Santa Barbara, California, February 17-21. Educational topics ranged from labor issues to agronomic issues. The goals of the newly-formed Evergreen Foundation were discussed, as TPI was a member. Tours included Pacific Sod, the Santa Barbara Polo Club and an agricultural vegetable site. An expanded Honors and Awards program was announced introducing the Distinguished Service Award, and its artificial turf. TPI joined the turf initiative in seeking a $35 million Federal Research Fund through the U.S. Agricultural Research Service (ARS). TPI teamed with other key associations to form the Green Industry Association Water Task Force. TPI’s Eighth Study Tour visited Spain and Portugal.
first recipient, Ben Copeland, Sr., Patten Seed Co./Super Sod, Lakeland, GA; and Innovator of the Year Award and its first recipient, Gerry Brouwer, Kesmac, Inc. Two new Honorary Members were named: Doug Jacklin, Jacklin Seed Company, and Peter McMaugh, founder of a 30-year-old turf supply company in Australia.

The Hilton Harrisburg Towers in Harrisburg, Pennsylvania, was headquarters for TPI’s 2004 Summer Convention and Field Days, July 27-30. Field Day Host was Sporting Valley Turf Farms. Art Campbell, Campbell Sod, Rossville, KS, was elected TPI 2004-2005 President. One tour visited the New Holland Equipment facilities and a Lesco Service Center. A second visited historic Harrisburg and the Landis Valley Museum. A third, the Farm/Ag Tour, included an Amish Farm. The Antique Auto Club of America Museum was the banquet site.

A bylaws change was approved giving Class B (Supplier) members the right to vote and to serve on TPI’s Board of Trustees. The Board approved the purchase of the association’s first building. The ITPF Board amended its bylaws so the TPI Board of Trustees also would serve as the ITPF Board of Directors.

Year-end 2004 saw the retirement of Executive Director Douglas Fender who had served the association for more than two decades. T. Kirk Hunter, who had joined the TPI staff in 2001 as Education and Meetings Manager, was appointed Executive Director, the third in TPI’s history. Jim Novak joined the TPI staff as Media Relations Coordinator.

TPI headed to Cancun, Mexico, for the 2005 Midwinter Conference. The Hilton Cancun Beach Resort was headquarters from January 31 to February 4, with “Mix Business and Pleasure” the conference theme. Pre-conference activities included choices: the ITPF Golf Tournament fundraiser, a tour of Xcaret Eco Park, or the seminar, “Keeping It in the Family: a Survival Guide for a Privately-Held Business.” Educational sessions introduced more choices, with concurrent session offerings. The “Show & Tell” format highlighted the general session. The Award presentations included: Innovator of the Year to Don, Mike and Gregg Tvetene, Trebro Manufacturing, Inc.; Distinguished Service to Randy Tischer, Green Velvet Sod Farms, Bellbrook, OH; and Honorary Member to: former Executive Director Doug Fender; Ike Thomas, Thomas Bros. Grass/Turfgrass America; and Ken Dawson, Rolawn Limited, Elvington, York, North Yorkshire, England. Post-conference choices were a tour of the Tulum archeological site or a farm tour that included a site where jungle had been cleared to develop a turfgrass sod farm.

TPI’s Summer Convention and Field Day was held at the Grand Summit Resort, Park City, Utah, July 25-28. Field Day Host was Biogras Sod Farm, Bluffdale, Utah. The Roundtable Forums were continued and a Women’s Forum Breakfast and Regional Groups’ Breakfast were added for further networking opportunities. The Field Day featured 73 exhibitors. Art Campbell presented the President’s Leadership Award to David Doguet, Bladerunner Farms, Inc., Poteet, TX. Elected as TPI 2005-2006 President was Warren Bell, Biogras Sod Farm, Sandy, Utah. Post-conference choices were tours of Salt Lake City or farm sites. TPI relocated its office to its first association-owned property in East Dundee, Illinois, in 2005. TPI’s PR Working Group met with leading turfgrass extension specialists to define areas of information gaps and overlaps. TPI’s Ninth Study Tour visited Italy.

TPI relocated its office to its first association-owned property in East Dundee, Illinois, in 2005. TPI’s PR Working Group met with leading turfgrass extension specialists to define areas of information gaps and overlaps. TPI's Ninth Study Tour visited Italy.
The 2006 TPI Midwinter Conference headed to Savannah, Georgia, with the Westin Savannah Harbor Golf Resort and Spa headquarters for the February 14-17 event. The theme was “Marketing (Getting the Customer) and Customer Service (Keeping the Customer).” The pre-conference choices were the ITPF Golf Tournament fundraiser, a tour of historic Savannah, or a seminar titled “The Art of Bringing the Customer Back.” Other educational sessions featured: agronomic issues, using recycled water, and a panel of members offering “Show & Tell” presentations on their operations. The Awards presentations included: Innovator of the Year to Gary Dover, Bucyrus Equipment Co.; Distinguished Service to Louis and Ginger Brooking, Brookmeade Sod Farm, Doswell, VA; and Honorary Member to Dr. Wayne Hanna, University of Georgia. A post-conference tour visited the JCB factory.

Memphis, Tennessee, drew TPI’s Summer Convention and Field Day, July 18-21, with The Peabody Memphis the headquarters site. Field Day Host was Winstead Turf Farms, Arlington, TN, who also hosted a “Family Fun Fair” in the evening that closed with a surprise—a spectacular fireworks display.

Pre-convention choices were the ITPF Golf Tournament fundraiser and a tour of the Wimmer Cookbook Factory and Graceland (Elvis Presley’s home). Convention sessions included the Roundtable Forums and Show & Tell presentations. Warren Bell presented the President’s Leadership Award to Robert Davey, Evergreen Turf, Pakenham, Victoria, Australia. Arthur Milberger, Turfgrass America, Bay City, TX, was elected TPI 2006-2007 President. Post-convention tours visited Tunica Casino and Battle Catfish Farms.

TPI’s membership reached a record-breaking 1,176 members. The largest issue of Turf News magazine (July/August) was distributed with 128 pages of valuable information. February of 2006 marked the launch of TPI’s revised website, providing members access to all previous and current issues of Turf News and, starting with the 2006 events, all Conference and Convention photos. To accomplish research-funding objectives, TPI hired its first Fundraising Director, increasing its staff size to seven full-time employees.

TPI headed “down under” to Gold Coast, Southport, Queensland, Australia, for the 2007 Midwinter Conference. The Sheraton Mirage Resort and Spa served as headquarters for the February 5-7 event. A special Field Day at Jimboomba Turf Co. Pty Ltd. in Acadia Ridge, Queensland, was presented by Turf Producers Australia (TPA). Educational highlights included Show & Tell presentations, an examination of measurement of turf strength, and “Artificial Turf—What They Don’t Want You to Know.” Attendees and all TPI members received TPI’s booklet Facts About Artificial Turf and Natural Grass.
The ITPF “Idol” Karaoke Contest, the ITPF fundraiser, generated great participation. Tours included: Tree Top Walk, Albert River Winery, Turf Force Farm, Brisbane Cruise, Australia Zoo and Twin View Turf.

TPI/ASPA celebrated its 40th Anniversary during the 2007 Summer Convention and Field Day held at the Madison Marriott West, Madison, Wisconsin, July 23-26. Field Day Hosts were the Midwest Sod Council (MSC), Wisconsin Turfgrass Association (WTA) and TPI at the University of Wisconsin-Madison O. J. Noer Turfgrass Research and Education Facility, which included tours of the TPI/MSC/WTA turfgrass research plots. Another tour visited the House of Rocks. Arthur Milberger presented the 2007 President’s Leadership Award to Randy Graff, Graff’s Turf Farms, Fort Morgan, CO. George Brandt, American Sod Corporation, Palatine, IL, was elected TPI 2007-2008 President. TPI published a History of Turfgrass Producers International book and CD-ROM. The CD version was provided to all TPI members.

James McCurdy and Mindy Brandt were awarded the first two ITPF Scholarships. ITPF changed its name to “The Lawn Institute” (TLI). A new website and several other educational tools, such as the Lawn Guide E-Newsletter and Ask The Expert service, were created to better inform, educate, and provide timely information to consumers, professionals and educators. Terri Berkowitz, TPI’s membership and marketing manager for nearly 20 years, left the staff. TPI’s Tenth Study Tour visited New Zealand and Australia.

The National Turfgrass Federation (NTF) officially separated from the National Turfgrass Evaluation Program (NTEP) to focus on its primary mission—the National Turfgrass Research Initiative (NTRI) seeking turfgrass research funding through the United States Department of Agriculture (USDA) Agriculture Research Service (ARS).

2008

TPI’s 2008 Midwinter Conference was held at the Caribe Royale, Orlando, Florida, February 4-8. Twenty countries were represented. Pre-conference event choices were the TLI Memorial Golf Tournament fundraiser and a tour of Winter Park. The seminar, “From the Kitchen Table to the Conference Table: Family Business Success,” Show & Tell presentations, and Dr. James B Beard’s “Overview of the Sod Industry,” were a few educational program highlights. The banquet was held at Sea World. TPI Awards presentations included: Innovator of the Year to Dr. Doug Brede, Jacklin Seed of the J. R. Simplot Company; Distinguished Service to David Doguet, Bladerunner Farms, Poteet, TX; Honorary Member to Dr. Harry Niemczyk, Ohio Agricultural Research and Development Center, The Ohio State University; and the first Turfgrass Educator of Excellence to Dr. Laurie Trenholm, University of Florida. The post-conference tour visited Emerald Island Turf Farm 2.

Calgary, Alberta, Canada, was the location for TPI’s 2008 Summer Convention and Field Day, July 28-August 1, at the Fairmont Palliser Hotel. The TLI Memorial Golf Tournament fundraiser and a tour of Banff National Park were the pre-convention choices. With the down economy, educational sessions focused on business management and agronomic issues. The new TPI cookbook, Mow Food, Please, Bounty from the Farmer’s Table, was introduced. Randy Graff, Graff Turf Farms, Fort Morgan, CO, was elected TPI 2008-2009 President. The tour visited the Olds College research facility and Mountain Sod & Seed Farm, Ltd., Red Deer County, Alberta. The evening ended with a Family Night at Eagle Lake Turf Farms, Ltd., Strathmore, Alberta, which also served as the Field Day Host the following day. Harvested sod was donated to, and installed at, Red Deer Lake School on Friday.

TPI revised all the existing marketing materials into a series of educational brochures called Turfgrass Lawn Guide. This convenient guide is a pocket folder which may...
Happenings in the 2000s

Y2K passed without the serious, widespread computer failures predicted. The world changed in 2001 with the 9/11 events. The Department of Homeland Security was established in 2002 and started operation January 1, 2003. There were numerous technology and internet advances. PlayStation 2 was released and became the best-selling game console in history. Xbox 360 and the Wii made their appearance. Apple developed the iPod, the MacBook Air, the iPhone, and iPod Touch. Apple introduced iTunes in 2001 and within five years sold their one-billionth tune. Wikipedia, Facebook and YouTube went online. Harley-Davidson celebrated 100 years and Disneyland 50. Harry Potter books and movies were high on many lists. Tiger Woods became the youngest person to win a Grand Slam. Gas started out at $1.26 and ended the decade at $2.73 a gallon, after a 2008 high of $3.38. U.S. First Class postage went from 33 to 42 cents. Interest rates hit record lows, with no substantial rises.

Editor’s Note: The History of Turfgrass Producers International is available to TPI members in digital format. Also available are PDFs of the ASPA Charter Members and all ASPA/TPI Conference and Convention dates and sites, including the Host Farm names. Past Weeds, Trees and Turf magazine articles and other historical resources are available to TPI members through the Turfgrass Information Center (TGIF). To access these materials, visit the “For Members” tab on the TPI website www.TurfGrassSod.org. If you see someone you know that is unidentified in any of the photos or have further information on any of the events, please let your editors know so that we might update the photos for future use. Also, if you have any photos that you’d like us to consider for future issues, please contact your editors. All photos from TPI Archives.
LIVE AUCTION

Covered Wagon
All Options—Philip Poyntz, Poyntz Manufacturing

4 Day Snowmobiling Trip West Yellowstone
Gregg Tvetene, Trebro Manufacturing

Duck Hunting Trip
Eddie Keeven, Emerald View Turf

Case of Oregon Wine
John Rector, Barenbrug

Dinner for 8 anywhere in North America
Hank Kerfoot, Modern Turf

Jewelry Settings with Green Amethyst
Settings: Randy Jasperson, Jasperson Sod Farm
Stones: Bob Weerts, Blue Valley Sod

2 - 50 Quart Bison Coolers
Ed Lee, Summit Seed

Handmade Quilt
Kim Nugent, Bethel Farms

Steak & Wine Club (MONTHLY)
Box of Steaks & Bottle of Wine
Steven Dover, Bucyrus Equipment

Brouwer Turf Roller Model #BTR30
Free delivery in North America
Gerry Brouwer, Brouwer Kesmac

Full Conference & Hotel Package
TPI 2018 International Education Conference & Field Day

To learn more about the Live Auction and information on the TPI 2017 International Education Conference & Field Day please visit www.TurfGrassSod.org
IKE THOMAS—
A MAN OF MANY HATS

By Suz Trusty

Editor's Note: Turf News asked Past President Ike Thomas to look back over his career in the turfgrass industry to share highlights from the past and his vision for TPI in the future.

While you've most likely seen Ike Thomas in a cowboy hat, he wears many hats in the business world. His family business, the Thomas Group, owns and manages “seven, or maybe eight,” at last count. The Thomas Group—Ike and his wife, Trisha, and their sons, Ryan and Justin—have business ventures in multiple categories. Their business cards list: Real Estate, Turfgrass, Mining and Drill Tools. Ike Thomas served as the American Sod Producers Association (ASPA) President in 1985-1986.

The Thomas Family: Front row (kids left-right): Pierce, Henry, Benjamin, Claire, Levi, Kate; Back row (adults left-right): son Ryan, Anne, Trisha, Ike Thomas, Kimberly, son Justin. Photo courtesy of the Thomas Family.

The Early Years
The Thomas family started as dairy farmers in Hood County, Texas, in the early 1900s. Like most of those growing up in a farm-related family business, Ike worked and learned during his school years. After graduating from Granbury High School, he went to Texas Tech in Lubbock, TX, on a football scholarship, majoring in business. Ike stayed active in the family business during his college years.

The Brazos River ran through the Thomas property. Ike says, “In the late 1960s, the State dammed up the river to create a lake, which took most of our dairy farm. We sold the dairy and built lake lots along the shores.” That was their start in real estate.

“We had about ten acres left over that didn’t fit the development and we thought we would try this crazy idea of growing turfgrass.” A former dairy employee and friend, Theodore Mund, had headed to south Texas after graduating from college and established a sod business, Alboa Company, in Needville. “He was doing well in it and had often encouraged us to try it,” says Ike. “So, in 1970, we did, even though we knew little about growing turfgrass.” It was a new venture in an industry still in its infancy.

Ike says, “There were no “how to” books on sod production back in the day. We were building the business A to Z, sort of winging it, and had to learn everything. Then we heard about ASPA and decided that would be the best connection for education and practical advice. We joined in 1972 and my Dad and Mom (E. A. and Frances) went to the ASPA Conference that year.”

Ike and Trisha married in 1972. In 1973, he earned his degree in business finance. By then, he and his grandfather (Emory, Sr.), his dad and his three brothers—Emory, Mark and Mike—had formed Thomas Bros. Grass.

Ike says, “Several of us went to the ASPA Conference in 1973 and started really getting involved. It made such a huge difference. The educational sessions were great and the sharing of ideas and expertise among the members was even better. We could see the latest innovations in products and equipment and talk to the suppliers and other growers about them.”

He recalls seeing the Brouwer harvester demonstrated in the early 70s, calling it a huge game changer over the walk-behind Ryan sod cutter. “It took us a while to buy one,” he says. “We should have done it sooner. The second big thing was the Spyder portable ride-on forklift that attached to the truck or trailer. It streamlined sod delivery; eliminated a second truck and crew. We bought one of the first Spyder forklifts after seeing it at the summer convention in Kansas City in 1975; it was number six.”
Expanding Horizons

Thomas family attendance at the winter conferences and summer conventions continued because, as Ike says, “Every time, what we learned more than paid for the costs of attending. We always scheduled our family vacations around them and we’d do something special on the way up or back. Our sons grew up in TPI. There are pictures of Ryan on the dance floor in Spokane back in 1978. They made some lifelong friends with those whose families were doing the same thing. Some are still involved in the sod business, and some are not, but they keep in touch.”

During this time, Ike’s involvement was growing as well. He started serving on the Board in 1980-1981, as ASPA was transitioning into a new decade of growth and development. Ike was serving as secretary/treasurer in 1983, when Doug Fender was named the new executive director.

The idea of international travel specifically developed to unite and inform sod producers world-wide came to fruition during his presidency. Ike, Trisha, Mike, and his wife, Dorisan, and son Chris, all participated in ASPA’s first International Study Tour in October of 1986, a 15-day, 20,000-mile trip to New Zealand and Australia. Seventy-four people from 31 firms, 20 states and one Canadian province took part. Ike reports touring the sod farms of the hosts at multiple stops was enlightening and it seeded relationships that grew into life-long networking connections—and friendships.

Ike notes a highlight of that trip was the tour of Bill Casimaty’s StrathAyr Farm in Melbourne, Australia. “It was the first time we’d seen a fax machine and we were amazed by it. Once back, we put them in all our farms right away. They helped us exchange timely information and quickly transfer documents. For us, not having to use the mail and wait several days was another game changer. The fax machine was certainly a precursor to the computer in incorporating technology within the business side of sod production.”

Tour attendees also learned about washed sod and observed the process of producing it. “We ended up getting involved in that a few years later, which helped propel us into the sports turf market,” says Ike. “Then, because of the relationship with StrathAyr, we were invited to join an international sports turf team of ASPA members more specialized in sports turf. We met once a year in locations all around the world to discuss issues and tour each other’s operations. That was in addition to, and outside of, ASPA, but would not have occurred without it.”

Always giving back to the industry and ASPA, after wrapping up his board stint, Ike volunteered in many other areas, including serving as ASPA’s representative on the National Turfgrass Evaluation Program (NTEP) committee for several years.

In 1994, in response to ASPA’s growing international membership and visibility, ASPA changed its name to Turfgrass Producers International (TPI). “That was another major step for the association and the International Study Tours helped reinforce it,” notes Ike. “Trisha and I took part in several, including one to South Africa. Ryan participated in the 1998 New Zealand and Australia tour on his own.”

Changing Hats

Their sod business grew tremendously through the years. In 1998, Thomas Bros. Grass participated in a roll up of four companies, operating under the name of Turfgrass America. During this process, three of the brothers went their separate ways, while Ike stayed involved as CEO. Mike went into ranching full time. Emory got out of the turf business, but went back into sod in 2001, partnering with his wife Sandy, daughter Traci, and son Seth, as Thomas Turfgrass in Texas. By the early 2000s, Turf America had expanded to 10,000 acres in sod farms from Arizona to California, Florida, Georgia, Tennessee and Texas.
Their business ventures were growing on multiple fronts. Then, in 2004, Turfgrass America was sold to the Collier Group of Naples, Florida. In 2005, Ike Thomas was named an Honorary Member of TPI, apt recognition for his long-time role of significantly improving the organization and the industry. Again, typical of Ike, he was surprised, as well as honored, by it.

The Thomas Group was keeping “pretty busy” without the sod business. They even started a wireless internet service company (which they later sold). Yet, in 2011, when one of their former farm managers, who had been working for the new company, called to report the Nashville farm was up for sale, the Thomas Group bought it. “We missed those sod farming and TPI days,” says Ike. “Then, a couple years ago, we bought out a competitor in Murfreesboro, TN.

“It’s been good to be back in the turf business. Although, we recently decided to sell—since our long term manager, Jerry Graves, retired and Ryan was spending way too much time away from home to oversee those farms. We have just completed the sale of our Tennessee operations to one of our large customers, ‘Buy Sod.’ We do intend to stay involved in the turf industry in the future, possibly in the leasing of turf-type equipment to other turf farmers.”

As the Thomas Group continued to grow, so did the Thomas brothers’ families. Ryan and his wife, Anne, have three boys: Pierce - 9, Henry - 7, and Benjamin - 3. Justin and his wife, Kimberly, have three children: Kate - 7, and twins, Levi and Claire – 4. Ike says, “Everyone’s close by and we love that. Justin and Kimberly live 30 miles away; the rest of us live in Granbury and we all office here and work together.”

And that worksite is another Thomas Group enterprise. They own a building on the town square of Granbury. Their offices are on the second floor, overlooking the area. Ike says, “We have a music venue on the first floor that we lease out to a company that provides the entertainment and manages the operations. It’s a great way to use that space to generate income—and it’s fun!” To see their building and check out the offerings of Big City Music Review, visit www.bigcitymusicreview.com.

Their sand company site does triple duty. They lease the ranch for corporate retreats, family reunions, weddings and other events. Ike says, “We have a ranch manager and an assistant that manage those facilities. We run cattle and sheep on that property, too.”

Operating multiple enterprises is in the DNA of the Thomas family. “Ryan and Justin oversee different segments of the business, which has worked pretty well for us,” says Ike. “So even though there are always a lot of things happening at once, we all like it that way.”

Of course Ike has been active in his community. He has served 12 years on the local school board. He’s an elder in Grace Community Church. He and Trisha started a private, classical Christian school, Grace Classical Christian Academy, about four years ago. “A classical Christian model is quite a bit different from most educational models,” says Ike. “It’s been rewarding for sure.”

Looking Ahead

Ike sees increasing innovation on the horizon for the turfgrass industry and sod production. He points to the advancements in the automatic stacking sod harvesters and the evolving use of GPS technology in precision farming as examples of ongoing progress. The new and improved turfgrass varieties that significantly reduce water use and the new additives that enable plants to use less water will continue to address the increasing environmental pressures surrounding water. New software to better manage sod farming and marketing operations is continually evolving. The marketing through the big box retailers is a positive step, and that impact will spread.

“TPI’s role will be vitally-important,” says Ike. “The positives of turfgrass need to be continually and repeatedly communicated to the public and decision makers. People forget, or see something new, and there always are new people who haven’t heard the message. The safety issue, with natural turfgrasses’ huge advantage over artificial turf is, I think, even more significant than we’ve been hearing; but it’s not easily quantified, so it’s hard to get that information out.”

And looking ahead for his family, Ike says, “We have those grandkids coming along that really enjoy farming. The future looks even more exciting and filled with opportunities than the past.”

Suz Trusty is co-editor of Turf News.
On Sunday, August 28, 2016, Pine Island Turf Nursery of Pine Island, New York, held a BBQ at their farm to celebrate 50 years in business. This lasting legacy of the foresight and business acumen of founder Charles Lain, Sr., nurtured by his son, Charles Lain, Jr. (Chip) and his wife and business partner, Shari, is working toward the future with the third generation, their daughter, Kelsey Lain Gurda.

“The celebration was a wonderful, emotional experience for me, thanks to Kelsey, who organized it, and Chip and Shari,” says Charles. “I thank the good Lord that at 85 I was able to be there and be so blessed by so many friends and colleagues. When I first started this company, some smart business owners told me I’d need to have a good banker, a good lawyer and a good accountant. Pine Island is still with the same bank. The accountant that initially advised and guided us joined in the celebration, as did the lawyer and his wife.”

The Lain legacy includes decades of service to the turfgrass industry and the association. Charles Lain served as president of the American Sod Producers Association (ASPA) in 1978-1979. The ASPA name had changed to Turfgrass Producers International (TPI) when Chip Lain served as president in 2009-2010. Both have met and mingled with sod producers from across the world through their involvement, enriching their lives and improving their business interests as their efforts provided the same benefits for many others.

**Getting Started**

Charles Lain had worked in sales for Weyerhaeuser for ten years when the appeal of the corporate world faded for him. The Lain family had been in agriculture in the New York area for over 200 years and he had grown up on a dairy farm, so his Ag background was strong. The sod industry was in its infancy and he saw its potential. In 1964, he left Weyerhaeuser and joined his brother in Lain Sod Farm. Two years later, he wanted to expand, but his brother was afraid to grow too fast.
“I started Pine Island Turf Nursery in 1966, with 15 acres of sod, which was my portion of the business. I had good relations with the equipment dealers. My wife, Ruth, and our family, Chip and daughters Christine, Cindy and Candy were all solidly behind me. Though there were a few times I questioned my sanity, leaving a well-established position for digging in the dirt, I treasured our beautiful spot and the productivity of our land.”

He started with a walk-behind Ryan sod cutter and did a lot of the sod rolling. He says, “Years later, I’d get two new knees because of that. At first, we worked with independent truckers, packing sod into their enclosed trailers. Flatbed trailers were a step up from that. The first few winters, I made snow in a snow resort to supplement our income. As our acreage expanded we built up the sales volume. I was so thankful for that. Then, in 1971, we purchased a Brouwer harvester and could do twice the work with two or three than we’d done with 10 or 12.”

His philosophy: I won’t lie, I will help where I can and we’ll all survive. Believing a good competitor is good for your business; he encouraged, assisted and occasionally, even trained them.

ASPA

Charles recalls following the formational progress of ASPA and became actively involved in 1969 or 1970. He refers to a principle emphasized by his Dad and passed along to Chip, “With anything in life, as you give so shall you receive. If you succeed in business, you need to give back to your industry by sharing the knowledge and expertise you’ve gained through the years.”

Charles put that into action. In the early days of ASPA, when some were reluctant to pass along business “secrets,” he addressed students and colleagues stressing the business side of operations. He delivered a strong message, “We have to get off that tractor and work on the business end of our operations. We must know our bottom line and what we need to get for our product. And we have to market it. If we can’t get out there and sell it, how can we expect to have other people buy it?”

He also stressed this point, “The sod industry’s research and development arm is centered in the Ag research universities. If we don’t assist, respect and support them, we’re being fools.”

“I’ll never forget Ben Warren, a pioneer in the industry and ASPA,” says Charles. Charles was elected to the ASPA Board in 1974 and worked closely with Norm LeGrand, Glenn Rehbein and John Hope, before and after their terms as president. “We were all farmers just building our sod farms, not that well off or successful as yet, but we shared a passion for ASPA.”

Charles had developed his marketing skills during his time with Weyerhaeuser and put them to work for ASPA. Two significant introductions in 1976 that spurred the association forward were directly-related to his input.
The first was the introduction of the new logo Charles originated, uniting ASPA with the easily-recognizable roll of sod. He encouraged members to incorporate it into their advertising and use it on their letterheads and other promotional materials. The second was the new ASPA brochure, “The Dream Lawn is Yours in Hours with Sod.” Charles, as chairman of the committee, collaborated with Pine Island’s advertising company to develop a piece that emphasized the benefits of sodding to the end user and identified the sod producer as the expert to provide those benefits. It was as useful in reaching landscape architects and contractors as homeowners; the basis for presentation and promotion to “anyone with an interest in lawn development.” Initially, 100,000 copies were printed, with later printings to follow.

Charles attended both the Mid-Winter Conferences and the Summer Conventions and Field Days, making the summer trip a family excursion whenever possible. In 1978, the year of his presidency, the summer meeting was in Spokane. He says, “I had worked in the Pacific Northwest, knew the area, and wanted to show it to my family. We rented a motor home and headed to Washington State on a three-week trip with stops at attractions such as Mt. Rushmore and Salt Lake City along the way. Our oldest daughter was 18; Chip was 15, and our youngest about 9. I think that’s when Chip got hooked on wanting to get into the industry.”

Chip adds, “It was a wonderful family adventure, a highlight among memories of great trips. It also gave me insight on the strength of ASPA and the power of sharing information; half of the learning took place in the hallways and social events during members’ in-depth business conversations.”

Growing the Business
As the children got older, Ruth became even more active in the business, serving as office manager and corporate secretary. Chip’s role on the farm increased, too, as he continued to take on more responsibilities. He attended Cook College at Rutgers, but opted to return to the farm full-time and immerse himself in learning through multiple other resources. “My colleagues, the educational sessions and networking opportunities at TPI and other industry associations, and the information from our suppliers all contributed to my on-the-job training,” he says. He and Shari married in 1986. Chip says, “She had been working for her father who was running a Warren Turf Nursery operation, which was our biggest competitor. After the wedding, she came to work for us and, when Warren’s closed that branch location, we ended up...
By the late 80s, all three of Chip’s sisters had married and opted not to join the family business. Charles and Chip continued their involvement in and service to ASPA, with both couples participating in meetings as often as possible.

Then tragedy struck the family. On February 23, 1991, Ruth died suddenly and unexpectedly of a cerebral hemorrhage caused by an aneurysm. Chip says, “It was devastating for all of us. She and my Dad had both just turned 60 and were planning to retire at 65. We all had to step back and relook at our plans.

“Dad could not bring himself to come back to the business full-time, so Shari and I took over the management and expanded our operations. We bought the company from him in 1995. By that time we’d grown to 750 acres and were producing several different crops, but mostly sod.”

Growth continued, with the purchase of an auto stack harvester and the farm reaching a high of 1,200 acres. Chip was serving as the 2009-2010 TPI president and Pine Island hosted the Field Day in July of 2010. “The two together were pretty overwhelming. But our great staff and the staff at TPI did a wonderful job and everything came across very smoothly.”

Flooding of 2011
The next year started well. Sod sales were strong; the soybeans were developing nicely. Then, in late August, Hurricane Irene hit them hard. “We can handle gale force winds,” says Chip. “But Irene dropped 11 inches of rain, too. Then, a week later, in early September, tropical storm Lee came through, hitting us with another 11 inches of rain. We moved our equipment to higher ground and stacked pallets to elevate our grass seed and bagged goods. Our buildings and equipment were just out of the water. But all our fields were flooded and remained under water for 30 days. All of our crops were destroyed. As an agricultural crop, soybeans can be covered by insurance, but that’s limited by government regulations to $100,000. Sod is not considered a standard agricultural crop, so is not insurable. We ended up losing several million dollars in crops.”

All of the local roads were closed, many of them washed away, and most of the ditches washed in. Chip says, “We dug over 50 miles of ditches and took on some of the road repair. We were able to submit invoices for some reimbursement from New York for that work. We also had to do some very extensive inland leveling and work in lime, starter fertilizer and other nutrients. None of that was covered.”

To meet commitments to customers, Chip bought sod from Johnson Farms in southern New Jersey, 150 miles away. “They trucked it in; we’d reload it and send it out,” says Chip. “We were able to raise the price just enough so we didn’t lose money on it.”

Recovery is a long process. “The Keevens, who have been flooded several times, told us it would take about five years to recover, but we’re not there yet. Initially we fielded a lot of questions. Could this happen again? Will you be able to produce sod to the same high quality standards? We’ve proven we can and will do that and nearly all of our customers stuck with us.”

Moving Forward
The flood did have one positive impact notes Chip. “It motivated us to re-evaluate our land use and explore options for diversification.” They dropped some rented land and are now down to 800 acres. They allocate 500 acres for sod production, splitting the remainder between soybeans, malting barley, and sweet corn.

“We rotate fields between the soybeans, barley and sod, which is beneficial to all three crops,” says Chip. “The sweet corn is a very small part of the business. We sell some to our retail customers and supply two farm stands. We all like to eat it and it gets our name out there. Shari and Shari Lain enjoy networking with Eddie and Jim Keeven while checking out the exhibits during the 1992 Summer Convention. Photo from the TPI archives.
and I are Kiwanis volunteers and I’m a past president. Besides a lot of volunteer hours, we provide the sweet corn for their annual family-friendly sweet corn festival. It’s great to be able to give back to the local community.”

Pine Island is growing the malting barley for the brewing industry. Chip says, “We’re wrapping up installation of an automated malting machine that’s come from Italy. We formed a new LLC, called Black Dirt Malt, with three partners and will be ‘malting’ barley starting in late 2016. Along with the Malt House, we’ll have an onsite Brewer. We expect to tie this all together with tours of the farm, the malting operation, and the brewery with tastings. We’re just a 90-minute bus ride from New York and the development of apple orchards, wineries and breweries has made our area a destination location.”

Pine Island also added the BigYellowBag. It’s a logical tie-in for their retail market and another point of recognition for shoppers. “The Horizon Group runs the BigYellowBag program and coordinates the marketing for it,” Kelsey reports. In addition, Chip is involved in the Aqua-Yield Technology as a manager and partner. He says, “So it gives us another point of diversification.”

Making It All Work

Chip and Shari are partners as well as owners. Chip says, “Shari is vice president and Jill of all trades, able to handle any task. She ran the office for many years and can step in there. More often, she’s out in the field mowing or helping me pick sweet corn. She loves the exercise and the outdoors.”

Kelsey is a vice president, runs the office, and is on target to take over the business in the future. She earned her B.S. degree in communications and public relations from Quinnipiac University in Connecticut. She says, “I had always worked at the farm, but wasn’t sure it was the path for me. So I majored in something I can use no matter where I end up.” She graduated about the time the bookkeeper of 30 years was retiring. She knew most of the accounting process and a short stint of mentoring provided the rest. She upgraded the aging system to Quick Books 2010, streamlining some processes along the way. “I handle the accounting and payroll, scheduling, and the email and phone correspondence. Dad and I still work together on the ordering and planning, but I’m about ready to take that on too,” says Kelsey. “I know what our customers want in sod and all the other items we offer. As our sales continue to grow, we’ll need another person in the office full time so Mom won’t have to be.”

Marketing is Kelsey’s responsibility, too. Her primary outreach has been online, through the company’s website, Facebook and Instagram. “We take part in several trade shows and I place ads in a couple small, regional newspapers,” she says. “Word of mouth is still the best venue we have.”

Kelsey’s husband, Brandon Gurda, owns and operates a landscaping business. Their son, Brayden, is two. Brandon is experienced, efficient, and professional, just like the rest of the Lain family team. So, it’s not surprising that he also handles Pine Island’s sod installations, both directly for the end user and for landscape contractors. He has a class one driver’s license, so he can tackle the big rigs, too. “The two businesses are sort of interwoven now,” says Kelsey. “When we’re really busy here, he’ll often come in at 4:00 am,

A silhouette of four generations of the Lain family walking to greet the sunset. (Left to right) Charles Lain, Sr.; Charles Lain, Jr. (Chip); Kelsey Lain Gurda and Brayden Gurda. Photo courtesy of the Lain Family
deliver a load of sod, and get back at 7:30 am to tackle his full day of projects. He was raised in a farm environment, so he’s knowledgeable about crops. When I do take over Pine Island, he’ll be by my side, helping manage the operation.”

Chip says, “On the production side, Skip Bierstine does most of the spraying and fertilizing on the fields, when he’s not delivering sod. Frank Vandermark, our long-time mechanic, is mentoring our young mechanic, Johnny Moriello, who is already an accomplished mechanic. Paulo Avalos is a key man for us. He gets the harvesting schedule from Kelsey and runs our Trebro harvester. He also directs and coordinates the mowing and irrigation schedules. Chet Jaycox helps with delivering and works anywhere needed on the farm, whether screening soil or mowing or helping in the shop. Matter of fact, all the crew members wear many hats and can and will fill in wherever needed.”

Pine Island grows a Grade “A” Bluegrass Blend and tall fescue, offering both as standard rolls, 2-ft by 5-ft. or big rolls, 3.5-ft. by 80-ft. They sell primarily to big contractors and garden centers, though they cover all categories: home lawns, commercial sites, sports fields, golf courses, cemeteries and parks. Chip says, “We also sell sod to event organizers in New York City. They want our very high end product, even though most install it, leave it in place for the duration of the event, then pick it up and throw it away.”

They service parts of New York, New Jersey, Pennsylvania and Connecticut. Kelsey says, “While we do have some pick-ups, 80 to 85 percent of our sod is delivered to the installation site. Our driver will use the portable forklift to unload it to a designated area or to spot it around the job site.”

The black dirt soil can heat up fast, so from May until late September, sod harvesting starts at 3:00 or 4:00 am so deliveries can be made early in the day. “We close the office at 4:00 pm and try to let the crew go home then,” says Chip. “Often they’ll stay to harvest soybeans or work with some of the other crops. Our employees are that responsible and dedicated. We are so fortunate to have them—and sure wish we could find more just like them.”

Looking Ahead

Chip says, “We close the farm when winter weather forces us to close, usually around Christmas. We’ll have freezing temperatures and snow from Christmas usually until sometime in March. Shari and I will work a light schedule during that time, focusing on marketing and planning for the upcoming year. We also take time to enjoy our family and get away to, as my Dad says, ‘recharge the batteries.’ This winter we have rented a house on the St. John’s River in Florida for a few weeks to relax and do some fishing.”

Kelsey adds, “I’ll handle weekly payroll, spring ordering and other office details as needed. Brandon has considered providing snow removal, but the winter break is important to us. It’s the only time we have more than a weekend together. He does drive a truck part-time for his father, delivering salt in upstate New Year, but that’s a part-day run.”

Charles has remarried. He and his wife Delores (Dodi) are enjoying life, spending nine months in Florida, and heading back to New York for June, July and August. Having observed the detrimental impact of generational conflict in family businesses when the older person refuses to let go, he stepped completely away from Pine Island Turf.

When they’re not working, Chip and Shari enjoy water skiing, boating and fishing—and being grandparents to Brayden, who absolutely loves the outdoors.

Suz Trusty is co-editor of Turf News.
# International Education Conference & Field Day

**TPI 2017**

**FEBRUARY 20-23**

**SADDLEBROOK RESORT, TAMPA, FLORIDA**

---

**SCHEDULE-AT-A-GLANCE**

### Monday, February 20, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am - 2:00 pm</td>
<td>Rootin’ Tootin’ Clay Shootin’ - The Lawn Institute Shooting Clay Tournament*</td>
</tr>
<tr>
<td>10:00 am - 2:00 pm</td>
<td>Treasures of Tampa by Water &amp; Land Tour *</td>
</tr>
<tr>
<td>2:30 - 5:00 pm</td>
<td>Pre-Conference Seminar*</td>
</tr>
<tr>
<td>5:00 - 6:00 pm</td>
<td>First Time Attendee/New Generation/ Ice Breakers Reception</td>
</tr>
<tr>
<td>6:00 - 7:30 pm</td>
<td>President’s Welcome Reception</td>
</tr>
</tbody>
</table>

### Tuesday, February 21, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 - 8:45 am</td>
<td>Past Presidents’ Breakfast (by invitation only)</td>
</tr>
<tr>
<td>7:30 - 8:45 am</td>
<td>Women’s “Dutch” Breakfast</td>
</tr>
<tr>
<td>8:00 - 9:00 am</td>
<td>Continental Breakfast</td>
</tr>
<tr>
<td>9:00 am - 12:15 pm</td>
<td>Education Session</td>
</tr>
<tr>
<td>12:15 - 2:00 pm</td>
<td>Lunch and Roundtable Discussions</td>
</tr>
<tr>
<td>2:00 - 4:15 pm</td>
<td>Concurrent Breakout Sessions</td>
</tr>
<tr>
<td>4:15 - 7:30 pm</td>
<td>Exhibit Hall Open</td>
</tr>
</tbody>
</table>

*Optional Activity Requiring Separate Registration

### Wednesday, February 22, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am - 1:30 pm</td>
<td>Field Day</td>
</tr>
<tr>
<td>6:00 - 9:00 pm</td>
<td>Banquet - 50 &amp; Fabulous: Celebrating Our Past, Inspiring Our Future</td>
</tr>
<tr>
<td>3:30 - 4:30 pm</td>
<td>Concurrent Breakout Sessions</td>
</tr>
</tbody>
</table>

### Thursday, February 23, 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 9:00 am</td>
<td>Inspirational Breakfast (All Are Welcome!)</td>
</tr>
<tr>
<td>9:00 - 10:00 am</td>
<td>Education Session</td>
</tr>
<tr>
<td>10:00 - 11:00 am</td>
<td>Annual Business Meeting (Members Only)</td>
</tr>
<tr>
<td>11:15 am - 12:15 pm</td>
<td>Education Session</td>
</tr>
<tr>
<td>12:15 - 2:00 pm</td>
<td>Exhibit Hall Open</td>
</tr>
<tr>
<td>2:00 - 3:15 pm</td>
<td>Concurrent Breakout Sessions</td>
</tr>
<tr>
<td>3:30 - 4:30 pm</td>
<td>Education Session</td>
</tr>
</tbody>
</table>

---

**Dinner will be served in the Exhibit Hall from 5:00 - 6:30 pm**

**Schedule subject to change.**

---

**VISIT [www.TurfGrassSod.org](http://www.TurfGrassSod.org) TO REGISTER NOW!**
The Progressive ADVANTAGE
Puts more $$ in your pocket!

Exclusive PRO LIFT-N-TURN™
Standard on all Progressive Roller Mowers
The ability to slightly raise the decks off the ground with the PTO still engaged, makes turning easier on the turf. Automatic stops prevent the decks from raising too far. The result is less product damage from the rollers sliding across new growth. Progressive’s Pro Lift-N-Turn™ has simply eliminated issues other mowers have!

Features to reduce your cost of operation over the long haul
■ Maintenance Free Blade Spindles
■ Four blade choices to optimize cut and costs
■ 100 hour extended service PTOs
■ 3 year gearbox warranty

Extensive Dealer network that you can rely on
■ Knowledgeable and dedicated to the Turf industry

Widest range of rotary finishing mowers available from one source
■ Several models with galvanized decks
■ Four models with the Pro Lift-N-Turn™ system

Proudly designed and manufactured in North America

Learn more about Progressive and our Dealers at:
(800) 668-8873  (519) 527-1080  fax: (519) 527-2275
www.progressiveturfequip.com  info@progressiveturfequip.com

The Better Built Choice.
NXGen Forum showcases turf’s significant role in urban development and water restrictions

Learning how turf can deliver significant benefits to urban areas, finding out the latest research developments and meeting fellow young growers were just some of the results of Turf Australia's 2016 NXGen Forum and Field Day, held in August.

This year’s forum was hosted in Perth with more than 40 young turf growers attending the two-day Forum and Field Day. Turf Australia’s NXGen event was created five years ago with the aim to inspire and inform the next generation of turf farmers. All turf growers attending NXGen are under the age of 40.

This year, the forum gave growers the opportunity to see some of Australia’s newest sports stadiums and biggest public green spaces. And they learned how the Western Australian (WA) growers were handling water restrictions while still growing top quality turf.

The program covered a wide range of topics, including:
• How the benefits of turf can be promoted in the wider community through cooperative projects and innovative installations
• Research outcomes which can help manage turf and save water
• New industry developments such as hybrid turf, integrated water storages, and landscaping designs

The Field trips were able to help growers understand the reality of managing sports turf in large stadiums and growing and selling turf in WA’s economic and environmental climate. These included visits to:
• The newly developed NIB stadium which features hybrid turf
• The Domain Stadium (also known as the WACA) which hosts national and international sports events and rock concerts on a turf surface
• King’s Park—Perth's famed botanical garden—which has huge expanses of turf which must be managed with limited water availability and the presence of sting nematodes

An on-farm visit to WA turf producer, Bullsbrook Turf, highlighted to eastern-state growers the common and state-specific issues growers contend with across Australia.
Growers at the Forum took away some great ideas about how they can implement changes in their own business to help it develop and be more successful, from more successfully growing and installing turf to promoting the benefits of it more widely.

**Turf Australia’s 2016 Roadshow of Forums – A big success!**

Turf Australia’s 2016 roadshow of forums attracted 150 participants nationally and provided a range of informative presentations and interactive workshops covering social media, accounting for profit, precision turf farming, levy investments, and identifying different personality styles to help improve how we communicate with colleagues, family members and customers.

One of the most important sessions was when growers had the opportunity to discuss the future direction of the National Turf Levy. The issue was debated at each state forum through an interactive workshop run by Pat Abraham from Key Link Solutions. These sessions allowed growers to participate in the process of deciding where the levy funds should be invested as part of the Industry’s Strategic Investment Plan for the next five years.

With Social Media becoming more effective as an efficient way to connect and engage with existing and potential customers, Cynthia Mahoney from Cynthia Mahoney and Associates provided some startling facts and figures and explained how turf growers can generate more business by using social media.

Knowing what aspects of your turf farm business are profitable and what aspects need to be ‘worked on’ was the focus of the sessions presented by Greg Sharpe from 3D Accounting. Greg showed how some simple accounting techniques, such as:

- Creating a **Financial Scorecard System**
- Calculating your **Return for Effort**
- Establishing **Effective pricing**

John Keleher from Australian Lawn Concepts (ALC) focused on “Precision Turf Farming” and shared how ALC has adapted and implemented precision agriculture technology, which was of great interest to all delegates.

At the New South Wales Forum, Mick Battam from AgEnviro Solutions reported the final results from the recent Turf Nutrition Program, which involved an on-farm analysis from 19 different turf farms.

John Vatikiotis and John Lloyd, both from Horticulture Innovation Australia (Hort Innovations), delivered sessions on how Hort Innovations is now overseeing the National Turf Levy Investments—both research and development and marketing.

To finish off each forum, Cynthia Mahoney ran an interactive workshop on identifying and dealing with different personality types in the workplace. According to the feedback received from the 150 participants, this ‘Communication Styles’ workshop was a key highlight of every forum, along with the networking drinks and dinner, of course.

For more information, contact Turf Australia’s communication manager, Katie Fisher, by calling her at her mobile phone number: 0402 444 878 or by emailing her at: editor@turfaustralia.com.au.
Rose Bowl Selects Mountain View Seeds as Official Seed Supplier

After more than a year of on-field trials and testing, Will Schnell, Head Groundskeeper, has selected Mountain View Seeds as the official seed supplier to the Rose Bowl. Schnell made the decision to convert the Rose Bowl from a bermudagrass base overseeded with perennial ryegrass to a 100 percent Kentucky bluegrass sod. Its superior density, tensile strength and ability to recover quickly after use, especially during their six-month cooler season from November through May was a deciding factor. At this time, UCLA plays and the annual Rose Bowl game takes place along with other major events. “During those months, in this part of California, it’s great bluegrass growing weather,” said Schnell. After closely monitoring the National Turfgrass Evaluation Program (NTEP) trials, the 3-way bluegrass brand, 365 SS (consisting of Bolt, Legend, and Blue Note) was also selected for field testing at Schnell’s partners at West Coast Turf. 365 SS was selected for its dark green color and excellent leaf texture. “It looks beautiful from the stands and on TV,” said Schnell. Mountain View Seeds worked with West Coast Turf and Schnell to grow the sod for the Rose Bowl game field. The management practices used at West Coast Turf, including matching the soil profiles, were identical to the management practices Schnell will use at the Rose Bowl. This ensured a smooth transition when the sod was installed in Pasadena last August.

Watson Materials to Reside at Michigan State University’s Turfgrass Information Center

The Turfgrass Information Center, of the Michigan State University Libraries, has announced the arrival of a major donation of turfgrass industry materials from the family of the late Dr. James R. Watson. Included are a wide range of materials with hundreds of monographs, including university extension publications and bulletins, as well as 2,000+ issues of periodical titles, and assorted handwritten notes, loose articles, project binders, corporate-related papers, advertisements, commercial items, business correspondence, and personal papers. Dr. Watson’s materials also came with a few dozen boxes of slides and photographic materials, which could well be of significance to the history of the discipline. Dr. Watson (1920-2013) was known for a variety of turfgrass-related accomplishments, both nationally and internationally. The Watson materials join the O. J. Noer Memorial Turfgrass Collection at Michigan State University. The Noer Collection and the James B. Beard Turfgrass Library Collection form the strongest single public collection of turfgrass-related content in the world. Records for items within the Watson materials have already started to appear within the Turfgrass Information File (TGIF) database, and originals are available for consulting use within the Turfgrass Information Center at MSU. Access to TGIF is a member benefit of TPI.

Project EverGreen Introduces New Vision and Mission Statement

The Project EverGreen (PE) board of directors, at its September board meeting, approved the new, official Vision: “Greener, cooler earth. Healthier, happier people.” The new Mission Statement is, “Bringing people together to make a difference in how our yards, parks and communities create a greener, cooler, healthier earth.” PE Executive Director Cindy Code says, “Our new mission and vision are the result of a year-long effort to refresh our 13-year-old brand, and to strategically position us for the future. The process began with a strategic intent meeting and wrapped up with our second round of consumer research.” Code adds, “This is a significant step—and we feel the right step—for Project EverGreen. It charts a path for our immediate future and clearly delineates our position as an independent organization bringing people together to create a greener, cooler, healthier earth.”

Super-Sod Breaks Ground on New Energy-Efficient Store

Super-Sod broke ground on a new, energy-efficient store to serve the northeast Atlanta area. Based in Alpharetta, GA., this building will supply sod and organic compost produced at Super-Sod’s Georgia farms. Scheduled to open by December, the store will focus on making an impact in the local sod market while keeping the business’s carbon footprint minimal. It will follow strict green building standards for water and energy conservation and sustainability. The location will feature turfgrass plots for customers to view and experience each of the nine varieties of sod offered for delivery or pick-up. A Drivable Grass parking area will exhibit the environmental benefits of a flexible, permeable pavement system. Beyond sod, the store will cater to a variety of home and garden needs, including natural stone, mulch, pine straw and lawn care products. Super-Sod is a subsidiary of Patten Seed Company and family run. Patten Seed Company began in 1893 in Lakeland, GA., as a general store, providing seed for customers. Super-Sod was formed in 1980 to market sod to expanding urban markets.
HRI Launches New Fund in Honor of Craig Regelbrugge

The Horticultural Research Institute (HRI) has announced a new endowed research fund, created in honor of Craig Regelbrugge, AmericanHort’s Senior Vice President of Industry Advocacy and Research. Regelbrugge celebrated his 25th year of service to the horticultural industry in 2016.

“Craig advocates for horticulture every day. Now it’s our turn to be advocates for horticulture and honor Craig at the same time,” states Karl Losely (Herman Losely & Son, Inc., Perry, OH), HRI President. “In honor of Craig’s extraordinary contributions to the horticultural industry, a group of AmericanHort and HRI friends conceived of a plan to create a special HRI endowment fund in Craig’s name. In addition to providing needed funding for horticultural research, this fund allows us to publicly acknowledge our gratitude for Craig and the work he has so willingly and thoughtfully undertaken on our behalf.”

The Craig Regelbrugge—Advocates for Horticulture Fund was officially launched at Cultivate’16 during the HRI Summer Donor Reception. Through the remarkable generosity of many donors, Craig’s fund quickly exceeded $35,000 in pledges. HRI leaders have set a goal to raise $52,000 by Craig’s November 52nd birthday.

Donate online at www.HRIresearch.org, or by contacting Jennifer at 614-884-1155 or jenniferg@americanhort.org.

DWP Board Toughens Turf Replacement Rules

The Board of Water and Power Commissioners Tuesday tightened up the criteria for granting turf removal rebates, under which synthetic turf and mulch will no longer be allowed, and more rainfall capture features and plant coverage will be required.

The Los Angeles Department of Water and Power (DWP) gives out $1.75 for each square foot of grass lawn that is removed. To be eligible for the incentive under the new rules, projects must: not include synthetic turf or mulch; feature rainfall capture elements such as infiltration and on-site storage for re-use; have landscaping in which native or climate-appropriate plants cover at least 50 percent of the converted area when mature; and, limit rock, gravel and decomposed granite to no more than 25 percent of the converted area.

The changes also include a recommendation for rebate recipients to use natural or organic weed barriers. The rationale behind the plastic grass ban is that covering the land with plastic grass isn’t much different from covering it with a plastic sheet when it comes to preventing much-needed rainwater from soaking into the ground. Plastic grass causes runoff, which literally sends water down the drain. DWP now focuses on getting rainwater into the ground, and planting plants that will use it wisely. The limits on rocks, gravel, decomposed granite and plastic grass also minimizes the “heat island” effect, lowering surface temperature on a property by not capturing and storing the sun’s energy. Plastic turf also retains more heat than regular soil, and the elimination of these two heat retainers should also reduce the need for air conditioning.

Major Equipment Manufacturers Enhancing Grower’s Ability to Use Precision Ag Data

A leading group of equipment manufacturers will soon release products that greatly enhance a grower’s ability to manage data across different precision agriculture systems—regardless of the system manufacturer, thanks to AgGateway’s ADAPT (Agricultural Data Application Programming Toolkit) conversion toolkit. “The open-source ADAPT framework is reported to remove the complexity of managing multiple data formats for farm management systems, helping software developers instead to focus on delivering value-added features for their agricultural customers. The framework maps multiple data formats into a common agriculture model created by experts from a broad range of companies and organizations within the agriculture industry. ADAPT and the accompanying data format enable the interoperability between software systems, service providers and advisors that farmers need to perform their routine operations more efficiently and seamlessly.

Companies that have committed to using ADAPT and releasing plug-ins for many of their proprietary data formats currently include: AGCO Corporation, Ag Leader Technology, CLAAS, CNH Industrial, Deere & Company, Praxidyn, Raven Industries, Topcon Precision Agriculture, and Trimble Navigation. The "plug-in" technology allows the ADAPT platform to work with individual, proprietary products.
CALL TEXAS SOD FOR ALL YOUR SOD NEEDS: New and used equipment; Parts for all sod Equipment; Netting, Harvester Tarps, Trimble GPS Equipment, Sod Staples, Truck Tarps and much more. Contact: 888-246-4268 or www.TexasSod.com.

SALES MIDWEST: Several good used little roll, slab, big roll, and auto-stacking harvesters for sale. New & Used Donkey, Brouwer, Kesmac, MasterCraft, First Products, Progressive. We also offer a full line of parts, Poly Tubes, Degradable Big Roll Netting, Degradable Field Net & a variety of harvester & mower blades.

New & Used Equipment Contact: Sales Midwest Inc. at 800.385.9408, 913.254.9560 or www.salesmidwest.com.


Contact: Scott at 330-350-2555 or info@medinasodfarms.com

FOR SALE: Equipment for sale in Illinois: 2003 50’ Shattuck reel mowers; 60’ Shattuck reel mowers; 40’ older with 20’ of 2008 mowers and frame, $20,000 each; M&Sw 3000 10’ 3-point Dyna Drive 2004, extra set of spoons, low acres, $8,500; 2006 12’ Agri-vator ag144, low acres $9,500; 2007 Spin Reel grinder model 555 purchased new, $12,000; 2007 semi auto bed knife sharper $6,500. John Deere 662B scraper, 2006 JD 750 wide pad, PAT blade dozer 6500 hours, new chains, cab, set up with GPS control valves.

Contact: Tim at 815-332-2144 or Timc12@hotmail.com

FOR SALE: 2004 Trebro AutoStack. Excellent working condition, stored inside every night, well maintained and serviced with new hydraulic depth control kit installed. Has approximately 8,900 hours and there are various parts available to go with the machine. Seller is taking delivery of a new Trebro AutoStack II. Asking $115,000, FOB Maryland. Contact: Eddie Moore at 410-334-6676 or email cwsod@allinsvwarfod.com

FOR SALE: 2015 Progressive Roller Mower 22’ used on limited acreage. $30,000 Perfect condition. Also looking to buy a used 48” or 30” Princeton or WMI 3-point harvester. (Any condition) Contact: Ron or Justin Payne at 815-468-6400 or email info@paynesodfarm.com

FOR SALE: Flatbeds with forklift kits. We have (35) new 38’, 45’ and 48’x102’ Wilson combo, Manac steel, and Clark steel trailers in stock with 75 more on order. We have all steel with wood floors, 12 winches, headboards, LED lights, combo forklift kits, Moffett, Princeton, Navigator and Palfinger. Steel disc wheels, air ride slides, fixed air rides and spring slides, aptingon and aluminum floors. If we do not have what you want, we can have it built in as little as eight weeks. Contact: Bill Israel at 404-324-7191 or email bill.israel@northstar-trailer.com

TPI CLASSIFIED ADVERTISING—TARGETED TO TURFGRASS PRODUCERS WORLDWIDE

Buying or selling equipment, supplies, properties, or looking for employment opportunities? TPI classified advertising is the answer! Reach your target market with a low cost classified ad in Turf News magazine and the TPI website at www.TurfGrassSod.org. All classified ads are posted to the TPI website & featured in the matching Turf News issue for one low rate!

Premier Classified Advertising!

With the Premier Classified Advertising option you can add one photograph to your website ad! The electronic version of Turf News will link the reader directly to your ad on TPI’s website. Readers of the print version will be able to view your ad with picture by going to www.TurfGrassSod.org.

Classified Ad Rates: TPI Member $200............Non-member $275
Premier Classified Ad: TPI Member $225............Non-member $300

Rates are determined in one-inch vertical increments. Please estimate approximately 65 words per inch. Photos are limited to the website and one photograph per ad.

Deadline: 30-days prior to Turf News issue date (e.g., January/February Turf News issue, ad is due by December 1.)
Payment: Classified ads are to be paid in advance—we accept check or Visa, MasterCard & AmEx.
Contact: Please send your classified ad to Geri Hannah via fax 847-649-5678; email ghannah@TurfGrassSod.org or regular mail to: Turfgrass Producers International, 2 East Main Street, East Dundee, IL 60118 U.S.A.

All classified ads are subject to review; TPI does not endorse any ad and reserves the right to edit or decline any ad.
TURF INDUSTRY CALENDAR

NOVEMBER

November 16—17
New York State Turfgrass Association
Turf & Grounds Exposition
Rochester Riverside Convention Center, Rochester, NY
Contact: www.nysta.org

November 17—18
The Green Industry Show & Conference
EXPO Centre at Northlands Park, Edmonton, AL, Canada
Contact: http://www.greenindustryshow.com/

November 29—30
2016 OTRF Annual Conference & Trade Show
Wes Watkins Center, Stillwater, OK
Contact: http://www.otrf.net/events.html

DECEMBER

December 1
NYSTA Long Island Regional Conference
Upsky Long Island Hotel, Hauppauge, NY
Contact: www.nysta.org

December 5—8
Ohio Turfgrass Foundation
50th Anniversary—OTF Conference & Show
Greater Columbus Convention Center, Columbus, OH
Contact: 614-285-4683; info@ohioturf.org

December 6—9
2016 Irrigation Show & Education Conference
Las Vegas Convention Center, Las Vegas, NV
Contact: http://www.irrigation.org/IrrigationShow/

December 6—8
Kansas Turfgrass Conference
Topeka, KS
Contact: 785-532-6173; cdipman@ksu.edu

December 6—8
New Jersey GREEN EXPO Turf & Landscape Conference
The Borgata Hotel & Casino, Atlantic City, NJ
Contact: 973-812-6467; www.njturfgrass.org

December 8
2016 EDGE Expo Educational Conference
Infinite Energy Center, Duluth, GA
Contact: 800-687-6949; info@georgiauac.com

January 10—11
Illinois Turfgrass Foundation
Turf Conference 2017
Bridges of Poplar Creek Country Club, Hoffman Estates, IL
Contact: www.illinoisturfgrassfoundation.org

January 10—12
Landscape Ontario Congress
Toronto Congress Centre, Toronto, Canada
Contact: 800-265-5656; https://www.locouncil.com/

January 16—18
Ohio Nursery & Landscape Association
Midwest Green Industry Experience, Columbus, OH
Contact: www.mgix17.com; info@onla.org; 614-899-1195

January 17—19
Iowa Turfgrass Conference & Trade Show
Prairie Meadows Event Center, Altoona, IA
Contact: 515-635-0306

January 24—27
STMA Conference and Exhibition
Disney’s Coronado Springs Resort, Lake Buena Vista, FL
Contact: 785-542-9243; kalthouse@stma.org

January 25—26
NYSTA Southeast Regional Conference
Ramada Inn, Fishkill, NY
Contact: www.nysta.org

January 26—27
Washington Association of Landscape Professionals
2017 Northwest Green Industry Conference
Semiahmoo Resort, Blaine, WA
Contact: 806-209-5285; info@walp.org

January 30—February 2
Mid Atlantic Turfgrass Expo
Fredericksburg Conference & Expo Center, Fredericksburg, VA
Contact: http://turfconference.org/program.html

FEBRUARY

February 15
Green Trade Expo 2017
Eastern Ontario’s Green Industry Buying Show
EY Center, Ottawa Airport, Canada
Contact: 613-796-5156; www.greentrade.ca/GreenTrade-home.html

February 15—17
WGGA Annual Conference & Trade Show
Ramkota, Casper, WY
Contact: 307-234-7583; iiirwishes@msn.com

February 15—17
54th Annual WCTA Conference and Trade Show
Penticton Trade & Convention Center, Penticton, BC, Canada
Contact: http://wcta-online.com/conference/media-release

February 20—23
Turfgrass Producers International – Celebrating 50 Years
2017 International Education Conference & Field Day
Saddlebrook Resort, Tampa Bay, FL
Contact: 847-649-5555; www.TurfGrassSod.org

For additional calendar items, visit www.TurfGrassSod.org. If you are planning an industry event of interest to our readers please send the information to ghannah@TurfGrassSod.org and put “Industry Calendar” in the subject line.
DUTCH QUALITY DESIGN by VANVUUREN MACHINES

TURF TICK™

*Produces the best result under the most difficult circumstances.*

- Unique rolling system
- Sharp and Equal cut by: independently floating cutterhead low weight centerpoint and balanced crankshaft
- Clip-on, clip-off concept: utmost flexibility optimal duration
- All options available

BIG SLAB™

*New Generation in Sodharvesting*

- Fastest harvesting and most efficient turf handling method now available
- Z-fold turf in length up to 80 yards
- Cutting width 40", 2 times 20" or cutting width 48", 2 times 24"
- Installs itself with no demand on installation equipment
- Proven optimal method for both the small and large projects
- The BIG SLAB system makes the landscape contractor your client

BIG TICK™

*Durable, heavy weight and solid design.*

- High speed cutting capacity
- Cutting width 40", 2 times 20" or cutting width 48", 2 times 24"
- Optional with: length cut automatic thickness correction and signaling

Turf Tick Products BV
VANVUUREN MACHINES
Harmelerwaard 21
3481 LC Harmelen, The Netherlands
Phone: +31 (0) 30 - 666 13 48
Fax: +31 (0) 30 - 666 13 40
E-mail: info@turf tick.com
Internet: www.turf tick.com

Import Agents
Asia - Australia - New Zealand
R.S.D. 3153A
MURRAY BRIDGE
SOUTH AUSTRALIA 5253
PHONE: (08) 8383 7015
FAX: (08) 8532 1880
STRONG AS IRON
Regenerating Perennial Ryegrass for Sod Production

Add the Best Perennial Ryegrass to Your Sports Blend.

- Determinate stolons for persistence and outstanding traffic tolerance
- Superior knitting and sod tensile strength
- Rapid germination and establishment
- Custom mixtures available

RPR
Regenerating Perennial Ryegrass

barusa.com