Amen to That!
Sustainable Practices at the University of Iowa – Landscape Services

- Canola Oil is used as a substitute for bar oil in our chainsaws
- Seeds collected from selected trees on campus for use with Tree Campus USA projects
- Removal of Invasive Species in Native Timber Stands to Promote Regeneration
- Controlled Burns Conducted on Prairie Remnants
- Leaves collected, stored, and turned each Fall and allowed to decompose
  - Composted material is then mixed with soil for restoration projects on campus
  - 84 tons of leaves were collected one year
- Salt w/ Beet Juice additive is used for melting snow residue at bldg entrances & steps
  - Beet Juice is environmentally friendly
  - Beet Juice allows the salt to melt snow at lower temperatures than salt alone
Sustainable Tree Management
Canola Oil – CANadian Oil Low Acid
Collecting Acorns from State Champion Scarlet Oak
Aug. 2012
University of Iowa – Tree Campus USA
Service Projects for Tree Campus USA Renewal
Post-Service Project Photo Op...
Arborist Andy Dahl Receiving ISA National Award 2014
Tree Campus USA Banner Atop the Old Capitol
Prairie Management
And it burns, burns, burns...
Prairie Burn at State Hygienic Lab – April 2016
“Before” & “After” Controlled Burn
April 3, 2016  
July 15, 2016
Fall Leaf Collection
Fall Leaf Collection
Leaf Collection Site (near Miscanthus Field)
There’s No Business Like Snow Business...
Delivery to the Salt Palace
Institutional Roads
The Charge of the Light Brigade
Sanding Aerial Sidewalk
Turf Management
Landscape Services Turf Crew
Turf Management Program

- Mow at 3.5 inches on a weekly schedule (2X/week on the Pentacrest)
- Aerate: one or two times per year
- Irrigate: Pentacrest – E. side, President’s Residence, Hubbard Park,
  PBDB courtyard (collected & re-used), Hancher – foundation beds
  Green Roofs: Seamans Center, PBDB (3), Visual Arts
- Fertilize: three to four pounds of Nitrogen / 1,000 sq. ft. / year
- Holganix applications (5X/year) which includes pre-emergent &
  post-emergent herbicides at reduced rates and micronutrients
- Transitioning to Fescue seed and sod for increased heat and wear tolerance
Turf Acres Managed by Landscape Services

Landscape Services is responsible for maintaining ~180 acres of Turf

- East Campus: 23 acres
- West Campus: 112 acres
- Research Park: 42 acres

Total: 177 acres
Mowing on the Pentacrest
Mowing on the Pentacrest
Mowing on the Pentacrest
Mowing on the Pentacrest
Mowing South of College of Public Health
Mowing on the Pentacrest
Mowing at the UI – Research Park
Aeration
Irrigation System Inspections
Irrigation
Irrigation
2016 Jazz Fest
Fall Fertilizer Application
Fertilizer Application
Joyce Hamilton
IPLCA’s 2012 “Lawn Professional of the Year”
Site Restoration
Site Restoration - 2015

“Before”                                       “After”
Site Restoration at Gibson Square
June 2, 2016             June 28, 2016
Site of the Razed WRAC House
April 28, 2016                      May 23, 2016
Sod Rolls
Sod Project at USB
Site Restoration Following Removal of Steps - 2014
Compost Tea
Jessica Creeden at the Dey House Applying Compost Tea
From Compost Tea to Holganix - 2014
Filling Spray Tank with Holganix
Yogurt for the Soil

Holganix Is Unlike Any Turf/Plant Treatment Available Today.

Holganix is a 100% organic, plant probiotic that balances the soil’s ecosystem, building strong roots and growing healthier, more resilient plants. By harnessing the benefits of naturally occurring soil microorganisms contained within the product, Holganix allows you to nourish plants while drastically reducing the need for synthetic fertilizers and pesticides required to obtain a lush, green, weed-free lawn.

Taking Organics to the Next Level

Traditionally, organic turf and plant products have consisted largely of compost tea and composting efforts. While these are commendable approaches to an organic solution, they can be expensive, complicated, and largely deliver inconsistent and slow results.

With Holganix, that all changes. Holganix’s patented process allows for consistency. It begins as a concentrated, plant-based compost tea that is composted of naturally selected ingredients. In addition to the compost tea, Holganix layers in numerous beneficial ingredients designed to foster strong, healthy plants.

When utilizing a 100% organic program or when using Holganix alone, users still must practice patience when looking for results.

This is one reason why we advocated for a hybrid approach, combining organics with small amounts of synthetic inputs such as fertilizers and pesticides.

A Hybrid Approach

Part of our philosophy at Holganix is combining the benefits of an organic program while increasing the efficiency of a synthetic program. Instead of blanket fertilizing turf and plants with traditional fertilizers and pesticides, Holganix allows you to drastically reduce the amount of inputs, exchanging buckets of synthetics for teaspoons.

That means you are not only providing excellent service for your customers, but are also offering a program that is better for the environment.
Holganix
Manufactures and distributes organic, bionutritional turf and plant fertility products containing natural microorganisms that allow for a drastic reduction in chemical fertilizers. It sells to golf courses, lawn care companies, schools and sports fields.

2015 Inc. 5000 Rank: #870
3-Year Growth: 516%
2014 Revenue: $4.6 M
Jobs Added: 13

Location: Glen Mills, PA
Industry: Environmental Services
Launched: 2010
Share: 

Inc. 5000 Honors
Top Environmental Services companies
Top Philadelphia companies
Holganix Applications – 5X / Season, 5 Weeks Apart
Holganix Applications
Holganix Application in Gibson Square
# Holganix Program

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<thead>
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<th>Round 1</th>
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Pesticides & Fertilizers

- Groundskeepers 2’s, Arborists, and Tree Trimmer are Licensed Applicators via the Iowa Department of Agriculture & Land Stewardship

- Pesticides (herbicides, insecticides, fungicides) fall into 2 primary categories:
  
  **General Use**
  - anyone can purchase without a license
  - license is required if work is done for pay
  - L S staff applies 99+% General Use Pesticides

  **Restricted Use**
  - license required

- Holganix applications allow for low end rates of herbicides and fertilizers when combined in the tank mix
Holganix Applications Allow Us to Apply Low-end Rates of Pre-emergent & Post-emergent Herbicides and Fertilizers