Aquatics Based Company
Agriculture- Brake Herbicide
Laboratory Services

Turf & Ornamental Solutions

Leader in Turf PGR Technology
Coming Soon: TIGR
Targeted Invasive Grass Removal
TIGR- a.i., Sethoxydim

  - No swimming, fishing, irrigation, fishing is catch & release
- Grass Selective Herbicide- Screened by UF for Aquatic Use
- Currently under field evaluations in S. FL and SFWMD properties
- 2016 Trials- Okeechobee and St. Johns River
- 2017 Summer- Full Label
TIGR

• Preliminary Data
  – Very similar statistically to Glyphosate on Torpedograss.
  – Still developing the Best Use Pattern
    • Multiple applications
    • Extremely selective
Floating & Emergent Weeds

- Proven solutions
- Highly active and selective
- Wide-ranging use patterns

Galleon
Aquatic Herbicide

Clearcast
Herbicide

Stingray
Aquatic Herbicide

SePRO
The Stewards of Water
FOLIAR STUDIES

PRE-TREATMENT
LETTUCE AND HYACINTH

a.i.- Carfentrazone
EC90 (+ 95% C.I.)

<table>
<thead>
<tr>
<th>Species</th>
<th>EC90 (fl oz / A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salvinia</td>
<td>0.04</td>
</tr>
<tr>
<td>Hyacinth 1</td>
<td>0.10</td>
</tr>
<tr>
<td>Hyacinth 2</td>
<td>0.06</td>
</tr>
<tr>
<td>Lettuce 1</td>
<td>0.02</td>
</tr>
<tr>
<td>Lettuce 2</td>
<td>0.02</td>
</tr>
</tbody>
</table>

6.7 fl oz / A

3.3 fl oz / A
Floating Plant Management
Stingray + Glyphosate

Santee Cooper Lakes
Stingray 4oz/a + Glyphosate 32oz/A
6DAT on hyacinth

*Moved to Stingray 6oz/a + Glyphosate 32oz/A when plants >8”
Floating Plant Management
St. Johns River
Stingray 4 oz. and Pennoxsulam 4 oz. - July 2014

7/30/14 - DOT

8/18/14 - 19 DAT

04/05/15
Marsh Habitat Management & Restoration

• Habitat & Glyphosate
  – Monoculture stands- Phragmites

• Clearcast & Stingray
  – Ludwigia grandiflora/ hexapetala
    • Aka- The “Entity”- John Kunzer

• Clearcast
  – Chinese Tallow
  – Cattails
Habitat- Imazapyr

November 2015
Lake Jesup north shore
Helicopter application
Phragmites: ~360 acres
Habitat @ 32 oz/ acre
Glyphosate @ 120 oz/ acre
MSO surfactant @ 1%

SePRO
The Stewards of Water
Habitat- Imazapyr

- June 2015
- Pre- Treatment Flight
- Acres of healthy and long time established Phragmites
Habitat- Imazapyr

- February 2016
- Post-treatment Flight
- Non-Selective but Excellent control of Phragmites and Cattails
Habitat- Imazapyr February 2016
Lake Tohopekaliga (Toho), Osceola County, FL
Clearcast @ 32 oz. & Stingray @ 4 oz.

10/2014- Pre-treat

3/16/15- 5 MOT

12/18/14- 2 MOT

Photo: Keith Mangus

Treated in October of 2014- Ludwigia is severely impacted with green bulrush inside the treated area. No impacts to the Kissimmee Knot grass.

Photo: Keith Mangus
Chinese Tallow Treatments:
Four Creeks State Forest, Calahan, FL
Clearcast- a.i., Imazamox

Details
When: September 2014
How much: 700 acre treatment site
Rate: 64 oz./acre Clearcast
Surfactant: 1qt./acre MSO
Application: Helicopter @ 20 gal/acre

Results
When: April 1, 2015 survey
Control: Great control of Tallow
Non-Target Damage: Green ash and defoliation of the Black gum trees which will recover
Selective Control (no impact):
Pine trees; Red maples; Sweet gums, Cypress trees, Water locust, Elms and Oaks
Chinese Tallow Treatments:
Four Creeks State Forest, Calahan, FL
Cattail Control- Clearcast at 32 oz/acre
Lake Istokpoga helicopter application September 2014
Cattail- Fast Acting control
Clearcast 32 oz. & Stingray 4 oz.

Treated 3/21/15

Photo 3/30/15
QUESTIONS??

Solutions to Preserve our most Precious Natural Resource...Water