Green Lake Weed Presentation

Meeting Notes

**PRESENTATION 1**

Chad Hadler @ Lake Restoration

VP, contact him directly

Cell: 612-750-9587

Desk: 763-428-9777 Ext. 105

Email: Chad@lakerestoration.com

* Located in Rogers
  + Help independent lake homeowners
* Offerings:
  + Pond weed and algae control service
  + Aquatic herbicides for individual use
  + Lakemaid for automatic weed control
  + Goose D-Fence for goose control
  + Decorative fountains
* Experience:
  + 3 trained crews
  + Treated over 1,000 acres in 2019
  + Treated over 600 acres for just Curlyleaf Pondweed
  + 7 lake treatment boats
  + 1 inspection boat
* Application Technique:
  + GPS navigation for accurate placement of treatment
  + Microprocessor w/ valves to adjust flow

**Curlyleaf Pondweed Lifecycle:**

Winter = Dormant

Fall = Emergence

Spring = Growth

Late Spring/Early Summer = Reproduction

Summer = Matures & Dies

\*\*Can lay dormant for 5-7 years before sprouting – waiting for perfect environmental conditions

Increasing Effectiveness of Treatments:

*(specific to Green Lake’s treatment history)*

The North part of the lake didn’t take the treatments as well for Milfoil and Curlyleaf Pondweed

* Could be because:
  + Plant height
  + Concentration exposure time: how much product, what’s the biomass vs. the treatment amount

Also Treats:

Eurasian Watermilfoil

* Treatments occurs after the water temperatures are above 60 degrees

Stary Stonewart

**PRESENTATION 2**

Mike O’Connell @ Lake Management

Phone: 651-433-3283

Email: mike@lakemanagementinc.com

Located at Marine on St. Croix, Minnesota near Forest Lake

Treatment Options:

* Residential & commercial offerings
* Euarasion Water Milfoil
  + Procellacore – practically nontoxic to mammals and fish
    - Used in small amounts
    - Aborbs quickly in to the plants + less contact times
    - Provides a 3-year guarantee of control with a location of 3 acres or more in size
  + Fluridone – works for Eurasion Water Milfoil + Curlyleaf Pondweed
    - 4-6 parts per billion
    - Target the entire lake
    - Can be selective in your treatment/control
    - Most expensive product
  + Diquad?
    - Coontail-specific
    - Would take quite a bit of product that the DNR may not allow

**PRESENTATION 3**

Rob Olson @ Clark

Based out of Clearwater MN – global company

Cell: 952-715-2159

Desk: 320-558-9005

Email: rolson@clarke.com

Residential & commercial offerings

Specializes in:

* Aquatic services & mosquito control

Offerings:

* Equipment
* Technology
* Residential comfort packs
* Lake association assistance
* Will help reach out and collect grant money

3-Step Process:

* Assessment
* Implementation
* Monitoring

The Conserve System:

Precision Aquatic System

* 1) Mapping – tracks treatment area & collects precision point data of plants
  + Utilizes BioBase – eyes underwater, use it to compare changes trip over trip, season to season and year over year
* 2) Apply – adjust rate to speed of boat, handle varying product rates, automatic system
* 3) Place – treats below water to improve accuracy and efficiency
* 4) Plus – GPS driven, data capture, record and reporting
* Their boats treat below the ground and not directly in the water

Curlyleaf Pondweed

* Aquathol K – parts per million vary based on density

Eurasion Watermilfoil

* 2,4-D
* Procellacore

**PRESENTATION 4**

Dan @ LIMNOPRO

Phone: 320-342-2210

Email: dan@limnopro.com

St. Cloud, MN

Offerings:

* Aquatic plant survey
* Lake management plans
* Weed control & treatments (chemical and mechanical)
* Residential & lake association

Main goal:

* Try to get to the cause of the weeds in your lake (figure out the problem and diagnose)
  + Nutrient budgets
    - Nutrients are controlling algae/clarity – mitigating the nutrients that are fostering what you don’t want
  + Historical plants
  + Considering fish community and microscopic critters in lake
  + Clear up the lake with the nuisance weeds, so we can get good weeds in the water the foster good weeds with deep roots to control the phosphorus
* Works directly with DNR