

## 2004 UPDATE ON AQUATIC HERBICIDES

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What you need to know BEFORE using a chemical:

### 1. Identify the weed

The two major groups are the *algae* and the *flowering plants*.

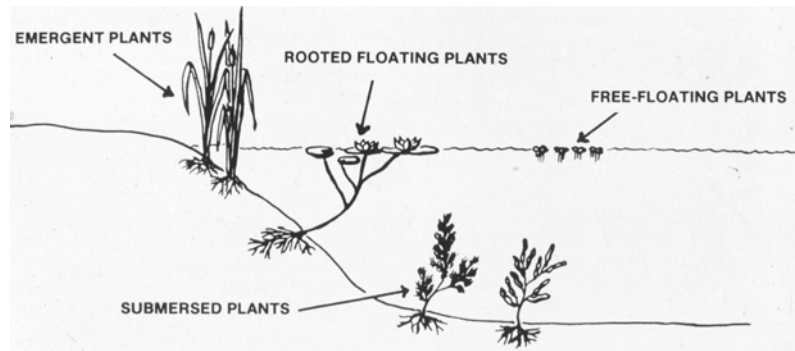
*Algae* (3 types):

Those that cause green water

The mat-formers

Chara (can be confused with submersed flowering plants because it has stems and leaves)

*Flowering plants* are categorized by where they live (submersed, free-floating, rooted floating, emergent)



### 2. Always read the herbicide label. Particularly note the following:

A. Restrictions on use of water following herbicide treatment (e.g. for irrigation, livestock watering, fishing, etc.)

B. Dosage calculation

3. Timing of treatment is important: late spring and early summer are best. DO NOT treat when the pond is heavily infested with the weeds or algae. Treating and killing all this vegetation may cause oxygen depletion and a fish kill.

4. Water temperature in the area of treatment should be at least 60° F.



6 pts/acre glyphosate with 0.5% v:v surfactant during the mid to late flowering stage. Spot treatments should be made during the year following treatment.

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HABITAT, a new herbicide, received EPA registration January 2004. Recommended for duckweed, cattails, Phragmites.

Web sites:

WS-21 Aquatic Plant Management (revised March 2003)

*This address is case sensitive:*

[http://www.agcom.purdue.edu/AgCom/Pubs/WS/WS\\_21.pdf](http://www.agcom.purdue.edu/AgCom/Pubs/WS/WS_21.pdf)

APM-1-W Barley Straw for Algae Control

<http://www.btny.purdue.edu/pubs/APM/APM-1-W.pdf>

APM-2-W Control of Duckweed and Watermeal

<http://www.btny.purdue.edu/pubs/APM/APM-2-W.pdf>

APM-FS-1 Fact Sheet on Toxic Blue-green Algae (new June 2003)

[http://www.btny.purdue.edu/pubs/APM/blue-green\\_factsheet.pdf](http://www.btny.purdue.edu/pubs/APM/blue-green_factsheet.pdf)

Why Aquatic Herbicides Affect Aquatic Plants and Not You!

Computer presentation that consists of a total of 49 slides with voice narration and written text

[http://www.btny.purdue.edu/outreach/teachresources.html#aquatic\\_herbicides](http://www.btny.purdue.edu/outreach/teachresources.html#aquatic_herbicides)