

PROBLEMS ENCOUNTERED IN OBTAINING A SUCCESSFUL PROGRAM OF ALGAE AND AQUATIC WEED CONTROL

To obtain satisfactory algae and weed control in any body of water it is essential to know the species and amount of algae and weeds that are present in the body of water. A moderate to heavy infestation of aquatic weeds in a body of water with any algae problem is an important consideration in determining the recommendation to be made for algae treatment, for aquatic weed treatment, or for both. The greater the aquatic weed infestation, the more essential it becomes to treat the water either for both algae and aquatic weeds or to increase the dosage used for algae control. Most all registered algicides and aquatic herbicides are absorbed equally rapidly by algae and aquatic weeds. Therefore, a chemical added to a body of water which is heavily infested with weeds and algae and is being treated only for algae, may fail entirely because much of the algicide is being absorbed and detoxified by the aquatic weeds. A further look at the Questionnaire and Data Form suggests the problem that may be encountered in the control of algae and aquatic weeds. Other than the kinds and amounts of algae and weeds present, it is essential to know their location in the water and whether the algae and weeds are young and actively growing? All plants and algae are easier to kill in their earlier growing stage than when they are mature. Temperature of water is also important. Treat for algae and weeds in late spring or early summer after water temperatures have reached 62-65°F and before the aquatic plants have gone to seed.

The physical condition of the water is equally important in assuring successful control of algae and plants. Muddy water rapidly deactivates most of the known algicides and aquatic herbicides. Therefore, never treat a pond after a rain when the water may be muddy. The chemicals will be rapidly deactivated and will not perform. Be sure not to stir up the shallow water with oars, paddles, motors, or other equipment.

Time of application especially for algae control is important. The best time of the day to treat for algae is in the middle of the day in a bright sun when the algae are growing rapidly. They are much easier to kill when in an active metabolic state. Post-pone the treatment if conditions are not right.

The question is often raised—Will one treatment control weeds and algae all year? Usually aquatic weeds can be controlled with one application. It is sometimes necessary to spot treat a week or two later to take care of weeds which may have been missed by the initial application. For algae control it is usually necessary to treat more than once a season, followed by periodic spot treating when new growth appears. Algae are better controlled if the algicide is applied directly on the algae. If a pond has filamentous algae concentrated primarily near the shore or on the bottom in the shallow areas, use the recommended amount of algicide to treat the entire pond but apply it only where the algae are growing. Never add algicide to clear algae free-water. It probably will be wasted.

Finally, if the weed and algae growth are moderate to heavy, don't treat the entire body of water at one time. Treat half of it one week and half a week or ten days later. This will insure that the

PRECISION BLENDED TOP DRESSING

Custom blended to your specifications
by our modern equipment.

*Buy when you need—
Eliminate costly storage*

We sell an air dried, uniform and
free flowing top dressing.

ASK THE MAN WHO HAS USED IT.

HUMUS — BLACK SOIL

HENRY FRENZER

Area Code 312
658-5303

620 Webster St.
Algonquin, Ill.
60102

ASPHALT DRIVEWAYS — PARKING LOTS — ETC.
"Golf Course Work a Specialty"

LEMONT PAVING CO.

SAND & STONE

115th & Archer Ave. (Rt. 171) — Lemont, Illinois
RAY MURPHY 257-6701

FOR THE FINEST IN SOD THORNTON'S TURF NURSERY

312 - 742-5030

Rt. 2 Box 72

Elgin, Ill.

FOR SALE

3 — standard greenskeepers (like new) — \$15.00 each.
Toro tractor, pull type — \$350.00.
Worthington F8 tractor, good condition. Best offer.
Two cutting units with rollers for Toro Super Pro —
\$25.00 each. 70" Pro 6 blade — \$300.00.
Mike Bavier — 312 - 358-7030.

dead weeds and algae will not rapidly and completely deplete the dissolved oxygen. A great number of fish kills result not from any toxic property of the chemical used but from lack of oxygen caused by decaying dead algae and weeds.

Algae and aquatic weeds can usually be controlled satisfactorily in most bodies of water. To obtain satisfactory control, however, it is necessary to survey the body of water, to determine the kinds of weeds and algae present, the area, and the flow of water through the pond or lake. On the basis of this and other information a sound and successful recommendation for treatment of the body of water can be made.