

AQUA KLEEN

For Use in Eurasian Water Milfoil Control

EPA REG. NO. 264-109

GENERAL INFORMATION

For Eurasian water milfoil control in programs conducted by the Tennessee Valley Authority in dams and reservoirs of the T.V.A.

AQUA-KLEEN® contains 20% by weight of 2,4-D acid equivalent as the low-volatile butoxy ethanol ester. This has been formulated on special heat treated attaclay granules that resist rapid decomposition in water. *AQUA-KLEEN*® sinks quickly to the bottom and releases the weed killing chemical in the critical root zone area.

NOTICE TO APPLICATORS

Fish Toxicity -- Oxygen Ratio — Fish breathe oxygen in the water and a water-oxygen ratio must be maintained. Decaying weeds use up oxygen. To avoid fish kill from decaying plant material do not treat more than one half the lake or pond at one time. For large bodies of weed infested waters leave buffer strips of at least 100 feet wide and delay treatment of these strips for 4-5 weeks or until the dead vegetation has decomposed.

Water pH — Lake water that is extremely acid or alkaline may influence the effectiveness of *AQUA-KLEEN*®. A pH on the acid side (pH 6.0 or below) generally favors the action of the chemical while a pH on the alkaline side (pH 8.0 or above) may reduce the action. If regrowth occurs within a period of 6 to 8 weeks, a second application may be needed.

Open Water Areas — To reduce contamination and prevent undue exposure to fish and other aquatic organisms, do not treat water areas unless they are infested with aquatic weeds.

DIRECTIONS FOR USE

AQUA-KLEEN® will kill water milfoil with surface or air applications.

Amounts to Use — Apply 100 to 200 pounds *AQUA-KLEEN*® per surface acre. Use the higher rate in areas where there is a large exchange of water. These areas may require a repeat application.

When to Apply — For best results, spread *AQUA-KLEEN*® in the spring and early summer during the time

weeds start to grow. If desiccation timing can be checked by the lake bottom in areas heavily infested with weeds the year before.

If treatments are delayed and weeds form a dense mat on the surface, two treatments may be necessary. Make the second treatment when weeds show signs of regrowth but no later than mid-August.

Occasionally, a second application will be necessary if heavy regrowth occurs or weeds move into treated areas.

How to Apply — For large areas use a fertilizer spreader or mechanical seeder such as the Gerber or similar. Before spreading any chemical, calibrate your method of application. Be sure of spreading the correct amount. When using boats and other equipment, you must determine proper combination of (1) boat speed, (2) rate of delivery from the spreader, and (3) width of swath covered by granules.

Shoreward swaths should be applied at lower rates to compete with shallow margins. It is not necessary

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Open Water Areas — To reduce contamination and prevent undue exposure to fish and other aquatic organisms, do not treat water areas unless they are infested with aquatic weeds.

DIRECTIONS FOR USE

AQUA-KLEEN® will kill water milfoil with surface or air applications.

Amounts to Use — Apply 100 to 200 pounds *AQUA-KLEEN*® per surface acre. Use the higher rate in areas where there is a large exchange of water. These areas may require a repeat application.

When to Apply — For best results, spread *AQUA-KLEEN*® in the spring and early summer during the time

weeds start to grow. If desired, this timing can be checked by sampling the lake bottom in areas heavily infested with weeds the year before.

If treatments are delayed until weeds form a dense mat or reach the surface, two treatments may be necessary. Make the second treatment when weeds show signs of recovery, but no later than mid-August.

Occasionally, a second application will be necessary if heavy regrowth occurs or weeds move in from untreated areas.

How to Apply — For large areas, use a fertilizer spreader or mechanical seeder such as the Gerber or Gandy. Before spreading any chemical, calibrate your method of application to be sure of spreading the proper amount. When using boats and power equipment, you must determine the proper combination of (1) boat speed (2) rate of delivery from the spreader, and (3) width of swath covered by the granules.

Shoreward swaths should be applied at lower rates to compensate for shallow margins. It is not necessary to

apply granules up to the actual shoreline in most cases, since the butoxy-ethanol ester of 2, 4-D leaches from the applied granular and migrates shoreward through the actions of current and diffusion. Leave a 10 to 20 ft. untreated margin, depending on water depth.

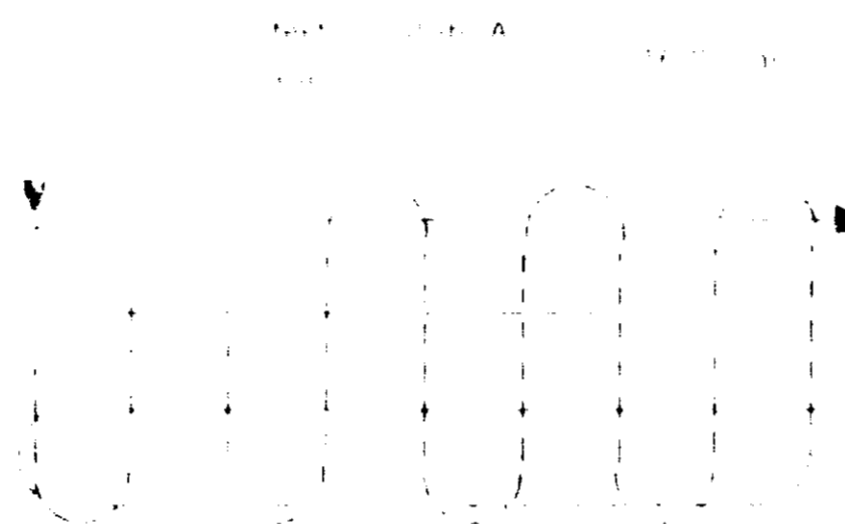
For small areas — around docks or isolated patches of weeds — use a portable spreader such as the Cyclone seeder. Estimate or measure out the area you want to treat. Weigh out the amount of material needed and spread this uniformly over the area. More uniform coverage is obtained by dividing the required amount in two and covering the area twice, applying the second half at right angles to the first.

Use the following formula to calibrate your spreader's delivery in pounds of AQUA-KLEEN® per minute.

$$\frac{\text{Miles per hour} \times \text{spreader width} \times \text{pounds per acre}}{495} = \text{pounds per minute}$$

Example: to apply 100 pounds of AQUA-KLEEN® per acre using a spreader that covers a 20 foot swath

from a boat traveling at 4 miles per hour, set the spreader to deliver 16 pounds of AQUA-KLEEN® granular per minute.



When spreading AQUA-KLEEN® from a boat, we suggest setting out guide posts at frequent intervals marking out the area. This helps to stay on a straight course.

Buffer lanes should be 50 to 100 feet wide. Treated lanes should be as wide as the buffer strips. Do not treat within 1/2 mile of potable water intake.

Air Application — Apply the recommended amount of AQUA-KLEEN® through standard granular spreader systems or the Anchem SPREADER DISK™.

CAUTION:—

Fish and other aquatic organisms may be killed at application rates recommended on this label. Do not apply when weather conditions favor drift from target areas. Do not contaminate by cleaning of equipment or disposal of wastes.

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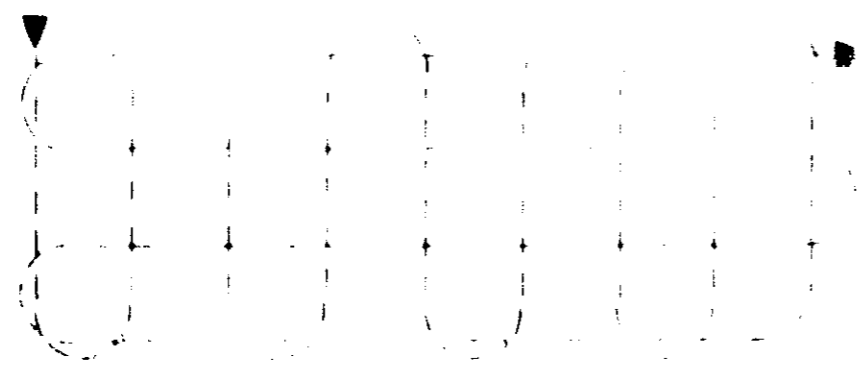
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