

**RESTRICTED USE PESTICIDE****Due to Aquatic Toxicity, Acute Oral and Inhalation Toxicity**

For retail sale to, and use only by, Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

# AllPro<sup>®</sup> POWDERED CUBÉ

**Contains 5% Rotenone**  
**For Control of Fish in Lakes and Ponds**

**Active Ingredient:**

Rotenone .....	5.0%
Other Associated Resins .....	7.5%
Inert Ingredients .....	87.5%
<b>TOTAL .....</b>	<b>100.0%</b>

EPA Reg. No. 769-414

Net Contents: 5 lb.

EPA Est. No 44616-MO-1

**KEEP OUT OF REACH OF CHILDREN****FIRST AID**

<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
<b>If on Skin or Clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> </ul>
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> </ul>

**PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Fatal if inhaled or swallowed. Harmful if absorbed through the skin. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not breath dust. Use a dust filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to fish. Fish kills are expected at recommended rates. Consult you State Fish and Game Agency before applying this product to public waters to determine if a permit is needed for such an application. Do not contaminate untreated water when disposing of equipment washwaters.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**USE RESTRICTIONS:**

Use against fish in lakes, ponds, and streams (immediately above lakes and ponds).

Since such factors as pH, temperature, depth, and turbidity will change effectiveness, use this product

only at locations, rates, and times authorized and approved by appropriate state and Federal fish and wildlife agencies. Rates must be within the range specified in the labeling.

Properly dispose of dead fish and unused product. Do not use dead fish as food or feed.

Do not use water treated with rotenone to irrigate crops or release within 1/2 mile upstream of a potable water or irrigation water intake in a standing body of water such as a lake, pond, or reservoir.

**APPLICATION DIRECTIONS****Treatment of Lakes and Ponds****1. Application Rates and Concentration of Rotenone**

The actual application rates and concentrations of rotenone needed to control fish will vary widely, depending on the type of use (e.g., selective treatment, normal pond treatment, etc.) and the factors listed above. The table below is a general guide for the proper rates and concentrations.

**2. Total Amount of Powered Cubé needed for treatment**

To determine the total number of pounds needed for treatment, divide the number of acre-feet covered by one pound for a specific type of use (e.g., selective treatment, etc.) as indicated in the table below, into the number of acre-feet in the body of water.

**General Guide to the Application Rates and Concentrations of Rotenone Needed to Control Fish in Lakes and Ponds.<sup>1</sup>**

Type of Use	Number of Acre-Feet Covered by one pound	Parts per Million	
		Active Rotenone	Powdered Cube
Selective Treatment	3.7 to 2.8	0.005 - 0.007	0.10 - 0.13
Normal Pond Use	0.74 to 0.37	0.025 - 0.050	0.5 - 1.0
Remove Bullheads or Carp	.37 to .185	0.050 - 0.100	1.0 - 2.0
Remove Bullheads or Carp in rich organic Ponds	.185 to 0.093	0.100 - 0.200	2.0 - 4.0
Pre-impoundment	.123 to 0.074	0.150 - 0.250	3.0 - 5.0

<sup>1</sup>Adapted from Kinney, Edward 1965. Rotenone in Fish Pond Management. USDI. Washington, D.C. Leaflet FL-576.

**Computation of acre feet for lake or pond:** An acre-foot is a unit of water volume having a surface area of one acre and a depth of one foot. Make a series of transects across the surface, taking depths with a measured pole or weighted line. Add the measurements and divide by the number made to determine the average depth. To compute total acre-feet, multiply this average depth by the number of surface acres, which can be determined from an aerial photograph or plat drawn to scale.

**3. Method of Application**

Distribute Powdered Cubé evenly over the surface of the water and agitate to mix thoroughly. This may be accomplished by spraying on the surface and running back and forth with an outboard motor boat or a slurry of the Powdered Cubé can be prepared and poured directly behind the outboard motor or put material in a burlap sack and trail behind motor boat. Frequently kneading of bag is necessary. In small ponds distribution may be accomplished by pouring slurry directly behind outboard motor while boat is pulled up on the bank. It may be necessary to move the boat to several different locations to get thorough distribution. Where ponds have been partially drained, small ponds and muck areas should also be treated.

**4. Restocking**

Waters treated with this product detoxify within 2 to 4 weeks, depending on pH, temperature, water hardness, and depth. To determine if detoxification has occurred place live boxes containing samples of fish to be stocked in the treated waters. More rapid detoxification can be accomplished by adding chlorine or potassium permanganate to the water at the same rate as Powdered Cubé in parts per million plus enough additional to meet the chlorine demand of the untreated water.

**Treatment of Streams Immediately Above Lakes and Ponds.**

The purpose of treating streams immediately above lakes and ponds is to improve the effectiveness of lake and pond treatments and not to control fish in streams per.se.

The term "immediately" means the first available site above the lake or pond where treatment is practical.

In order to treat a stream immediately above a lake or pond, you must select a concentration of active rotenone, compute the flow rate of the stream, calculate the application rate, select an exposure time, estimate the amount of product needed, and follow the method of application.

### 1. Concentration of Active Rotenone:

Select the "Concentration of Active Rotenone" based on the type of use from those on the table. For example if you select "Normal Pond Use" you could select a concentration of "0.025 Parts per Million"

### 2. Computation of Flow Rate for Stream:

Select a cross section of the stream where the banks and bottom are relatively smooth and free of obstacles. Divide the surface width into 3 equal sections and determine the water depth and surface velocity at the center of each section. In slowly moving streams, determine the velocity by dropping a float attached to 5 feet of loose monofilament fishing line. Measure the time required for the float to move 5 feet. For fast-moving streams, use a longer distance. Take at least three readings at each point. To calculate the flow rate from the information obtained above, use the following formula;

$$F = \frac{Ws \times D \times L \times C}{T}$$

Where F = flow rate (cu. ft./sec), Ws = surface width (ft), D = mean depth (ft), L = mean distance traveled by float (ft.), and T = mean time for float (sec.).

For example, after using the above formula, you might have computed the stream's flow rate to be "10 cu ft per sec"

### 3. Calculation of Application Rate:

In order to calculate the application rate (expressed as "pound per sec"), you convert the rate in the table (expressed as "pound per acre-foot"), to "pound per cu feet" and multiply by the flow rate (expressed as "cu ft per sec") Depending on the size of the stream and the type of equipment, the rate could be expressed in other units, such as "ounce per hr"

The application rate for the stream is calculated as follows:

$$Rs = Rp \times C \times F$$

Where Rs = Application Rate for Stream (lb./sec), Rp = Application Rate for Pond (lb./acre feet), C = 1 acre foot/43560 cu. ft, and F = Flow Rate (cu ft/sec.)

In the example, the application Rate for the Stream would be:

$$Rs = 1 \text{ lb./0.74 acre-foot} \times 1 \text{ acre-foot/43560 cu.ft.} \times 10 \text{ cu ft/sec}$$

$$Rs = .00031 \text{ lb./sec. or } 17.9 \text{ oz/hr.}$$

### 4. Exposure Time

The "Exposure Time" would be the period of time (expressed in hours or seconds) during which target fish should not enter the lake or pond under treatment. In the example, this period of time could be 4 hours.

### 5. Amount of Product

Calculate the "Amount of Product" for a stream by multiplying the "Application Rate for Stream" by the "Exposure Time". In the example, the "Amount of Product" would be 71.6 oz (17.9 oz/hr x 4 hr) or 4.5 lb.

### 6. Method of Application

Prepare a slurry of Powdered Cubé and pour directly into center of stream with the amount of product and at the application rate as calculated in the above instructions.

### RE-ENTRY STATEMENT

Do not allow swimming in rotenone-treated water until the application has been completed and all pesticide has been thoroughly mixed into the water according to labeling instructions.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Storage:** Store only in original container, in a dry place inaccessible to children and pets.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned stay out of smoke.

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using this product.

**DISCLAIMER:** Value Garden Supply warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in the Directions For Use, subject to the inherent risks referred to above. Value Garden Supply makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty. In no case shall Value Garden Supply be liable for the consequential, special, or indirect damages resulting from the use, handling or application of this product.

**NOTICE:** Buyer assumes all risks of use, storage, or handling of this material not in strict accordance with the directions given herewith.



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