

Plant Survival Essentials

• *Effective, Safe & Dependable, Disease-Free Growing Environments*

Bio-Plex[®] "Plant Survival Solutions"

Means business survival for you!

The **HEALTH** of your plants, the **SUCCESS** of your project, and a bigger **BOTTOMLINE**

Call and Order Today:
1-800-441-3573



- Destroys Disease
- Eliminates Spores
- Non-Phytotoxic
- Human & Pet Safe
- Plant Safe
- No Residues
- Spray or Drench
- Zero REI
- Extended Activity



1 Gallon
4 x 1 gallon/cs



32 fl. oz. (12 x 32 fl oz/cs)

Product Descriptions

PRO-TECH controls turf and ornamental fungal, bacterial and viral plant pathogens and algae.

PRO-TECH Algicide & Disinfectant is a liquid concentrate for agricultural, horticulture, golf course, commercial and home & recreational use.

PRO-TECH is a concentrated blend of quaternary amines that will not separate when diluted with water, and is a good wetting agent.

PRO-TECH is labeled for use on many ornamentals, horticultural crops, lawns, golf courses, and commercial cool and warm season turf.

PRO-TECH is a general purpose disinfectant and sanitizer for hard surface areas & mowing equipment.

PRO-TECH controls algae in fountains, water displays, and ponds. Can be used as a control for mosquito larva.

PRO-TECH is biodegradable and is more effective and safer than chlorine bleaches.

Pro-Tech is a curative. In most cases it kills fungus or bacteria within 20 minutes, remains active until it biodegrades in about 48 hours. Since Pro-Tech is non-systemic and water soluble, rain or heavy dew can wash it off the plant surface.

Apply Pro-Tech at the first sign of infestation. It should be applied every 10-15 days as a control. In severe cases, it may be applied every 5 days.

Application of Pro-Tech is most effective when diluted in water and applied as a separate treatment. When combined with certain chemicals, Pro-Tech will become ineffective.

Turf, Ornamental & Greenhouse Benefits

- Fungicidal
- Algicidal
- Bactericidal
- Mildewstard
- Mosquito Control
- Disinfectant Sanitizer

Best Use Recommendations...

- Turfgrass Disease Management
- Sanitizer for GC Mowers
- Plant Disease Management
- Greenhouse Sanitation
- West Nile Virus, Mosquito Control
- Standing Water, Fountains
- Deciduous Tree Disease
- Palm Tree Disease
- Poultry House Disinfectant
- Greenhouse Glass
- Cut Flowers
- Overhead Watering
- Evaporative Coolers



Active Ingredients

| | |
|---|--------------|
| n-Akyl (60% C14, 13% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride | .10% |
| n-Akyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride | .10% |
| Inert Ingredients | .80% |
| Total | .100% |

EPA Reg. No. 53642-1-73077
EPA Est. No. 73077-IL-1

FOR ORNAMENTAL HORTICULTURE

Pro-Tech Algicide and Disinfectant is a general disinfectant for use on floral ornamentals. It will help to control fungal, bacterial and viral plant pathogens, bacterial and fungal leaf rots, slime forming fungi, odor-causing bacterial and algae.

Pro-Tech Algicide and Disinfectant has been designed specifically for greenhouse and home use where cross contamination may occur between plants. Preclean all surfaces prior to application of disinfectant solution. All inanimate surfaces must be thoroughly wetted and remain wet for 10 minutes for disinfection. Fresh solution should be prepared daily and when in use solution becomes visibly dirty.

Work Area and Benches:

Spray or swab working surfaces before each work period. Again after each plant is completed, to help control transfer of such diseases as root rot, crown rot, botrytis, downy mildew. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Pots, Flats and Flower Buckets:

Used pots and flats should be brushed or washed, then soak in Pro-Tech Algicide and Disinfectant solution for 10 minutes before using to help control transfer of such diseases as root and crown rots, anthracnose, mildew, rusts and blight. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

Disinfecting Cutting Tools:

Soak cutting edge of tool for 10 minutes in Pro-Tech Algicide and Disinfectant solution before use to help control transfer of such diseases as stem and root rots, Tobacco Mosaic Virus (TMV) and botrytis. Use wet tool on plants. At end of work, dry and oil tools. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per quart of water.

ALGAE - Greenhouse Glass:

Spray or swab surfaces with Pro-Tech Algicide and Disinfectant. Allow to air dry. Wash off dead algae with water. Spray clean surfaces again with Pro-Tech Algicide and Disinfectant solution. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

Algae - Walkways:

For heavy infestation, spray or swab. let stand for an hour or more. Brush and wash away dead algae. Soak area again with Pro-Tech Algicide and Disinfectant solution. Do not rinse. This product will inhibit the growth of algae on walkways. Allow to dry on surface and repeat application when algae growth returns. use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Algae control for "Bird Baths" - DO NOT USE WITH FISH:

Clean to remove algae growth prior to filling bird bath by spraying all exposed surfaces with Pro-Tech Algicide and Disinfectant solution. Allow to air dry, brush off dead algae. Use 1 oz. Pro-Tech Algicide and Disinfectant concentrate to 2 gallons of water for cleaning.

Mildewstat - Table Tops, Floors:

To control mold and mildew on pre-cleaned hard, non-porous surfaces (such as floors, walls, tabletops). Apply solution with a cloth, mop, or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth reappears. Use 1-1/2 ounces Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Overhead Watering Systems:

During last 2 to 3 minutes of watering, use Pro-Tech Algicide and Disinfectant solution as a control program. Due to variations of growing conditions, use Pro-Tech Algicide and Disinfectant solution every second to fourth watering. will control algae in nozzles. Use 1 oz. Pro-Tech Algicide and Disinfectant concentrate to 20 gallons of water.

Evaporative Coolers - ALGAE, FUNGUS, ODORS:

Controls algae, slime forming fungi on cooler pads and certain fungal plant pathogens that may carry over in the cooler as well as bacterial odors. Use 1 tsp. Pro-Tech Algicide and Disinfectant per 15 gallons of water every other week.

Seedlings - DAMPING OFF:

To reduce damping off problems: Treat seeds and cuttings before planting with Pro-Tech Algicide and Disinfectant solution. Use an inert material for planting seeds and cuttings such as sphagnum moss, vermiculite, perlite, pumice, sterilized commercial mix rather than garden soil. If garden soil must be used drench

with Pro-Tech Algicide and Disinfectant solution. After planting water with Pro-Tech Algicide and Disinfectant solution (unless you are using garden soil and have already drenched potting soil with Pro-Tech Algicide and Disinfectant solution) and again after seedlings emerge. Spray, mist, or fog weekly as needed.

Pro-Tech Algicide and Disinfectant solution is effective in stopping the spread of damping off when sprayed on seedlings. Use 1 oz. Pro-Tech Algicide and Disinfectant concentrate to 4 gallons of water or 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

Seedlings - DOWNY MILDEW:

Most common on seedlings. The fungus sporulates on the lower surface of leaves as a white, sparse downy growth. The disease can cause the death of aerial plant parts. Spray with Pro-Tech Algicide and Disinfectant solution at 5 day intervals until under control. Use 1 oz. Pro-Tech Algicide and Disinfectant concentrate to 4 gallons of water.

Plant Cuttings:

Begonia, Fusia, Geranium, Chrysanthemum, for controlling powdery mildew, crown gall, gray mold leaf spots. soak cuttings 2 to 5 minutes in Pro-Tech Algicide and Disinfectant solution. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water. Plant in compost drenched in Pro-Tech Algicide and Disinfectant solution. Use 1 tsp Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

Narcissus, Gladioli, Iris, Easter Lilies, Tulips, Daffodil, Hyacinthe - Bulbs:

Prestorage and Preplanting Treatments:

Treat the corms immediately after they are "cleaned" and treat again immediately before planting by soaking them 10 minutes in a Pro-Tech Algicide and Disinfectant solution to control fusarium basal rot. air dry. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Iris - LEAF SPOTS:

Circular spots, yellowish, then light brown with red border.

Spray weekly while leaves are growing.

Iris - BORTYRIS CROWN ROT of Iris; GRAY MOLD ROT, on Rhizomatous Iris:

Treat all new rhizome before planting with Pro-Tech Algicide and Disinfectant solution. submerge rhizomes and 3 to 4 inches of leaves for 30 minutes, plant at once (while still wet with Pro-Tech Algicide and Disinfectant solution). Use 1 oz. Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

Roses - BROWN CANKER:

Use regular spraying. Application should begin in the early spring as soon as new growth starts and should be made often enough to provide protection throughout the rainy periods and to keep the new growth covered. On the average, an application once a week will be needed from early spring until plants are dormant. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Calendulas, China Asters, Lilac, Grape Myrtle, Live Oak, Chrysanthemums, Snapdragon, Dahlias, etc. - POWDERY MILDEW:

Spray with Pro-Tech Algicide and Disinfectant solution when symptoms appear. Spray upper and lower surface of leaves and branches with Pro-Tech Algicide and Disinfectant solution until thoroughly wet. Spray when buds burst in Spring and repeat 2 weeks later. Spray with Pro-Tech Algicide and Disinfectant solution every 2 weeks during mildew season. Also spray Live Oaks at bud break and again in April. Use 1 oz. Pro-Tech Algicide and Disinfectant concentrate to 4 gallons of water.

Cactus - ROOT ROT, BACTERIAL LEAF SPOT, TOP ROT:

Rotting of underground parts by fungi and bacterial leaf spot or rot of the tops. Sterilize seeds and disease free cuttings by dipping in Pro-Tech Algicide and Disinfectant solution for 5 minutes before planting. Spray at 10 to 14 day intervals. Use 1 oz. of Pro-tech Algicide and Disinfectant concentrate to 4 gallons of water.

Cactus - SLIMY COLLAR ROT:

Just before planting, dip entire plant in Pro-Tech Algicide and Disinfectant solution. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Saintpaulias (African Violets) - GRAY MOLD ROT (Botrytis), BUD ROT, MILDEW, ROOT ROTS and CROWN ROTS:

Dip plant and pot in Pro-Tech Algicide and Disinfectant solution. Spraying is okay, but complete coverage of all surfaces is important. Spray every 10 days until controlled. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per 4 gallons of water.

Aucuba, Dahlia, Pieris, Geranium, Fuschsia, Peony, and Gladiolus - Botrytis, Gray mold, Downy Mildew:

Primarily affects new growth with symptoms of soft decay of flowers, leaves, or stems followed by a covering of downy gray mold. control of disease consists of quick removal of dead plant parts and application of Pro-Tech Algicide and Disinfectant at the first sign of disease. For rust, apply at 7 to 14 day intervals during wet periods starting in early Summer. For botrytis, spray buds and blooms lightly 2 to 3 times a week using a fine mist. Before shipping, dip spikes in Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Ferns, Begonias and Gesneria (corytholoma, isoloma, aloplectus, episcia, trichospoum)-LEAF SPOTS, GRAY MOLD, BUD ROT, AND SHOOT ROT:

All phases of culture. Remove all plant residue, or dead leaves, garden clean-up is important in control. Spray Pro-Tech Algicide and Disinfectant solution before buds open. Then spray when blossoms show pink and again when 3/4 of blossom petals have fallen. Spray again two weeks after petal fall. Use 1 tsp. Pro-Tech Algicide and Disinfectant per 1 gallon of water.

Fuchsia, Garenia, Geranium Heliotrope-GRAY MOLD BUD ROT and STEM ROT:

At first sign of disease, pick off and burn infected leaves and blossom spray, mist or fog weekly as needed. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Kalaenchoe, Crassula, Sedum, - ROT AND CROWN ROT, CROWN GALL:

Destroy infected plants, or plant parts and drench the remainder with Pro-Tech Algicide and Disinfectant solution. Spray plants weekly to assure solution getting around and in base of leaves. Use 1 tsp Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Rubber Plant-Anthrocnose on leaves and stems, CROWN GALL ON STEMS:

At first sign of disease, pick off and burn infected leaves, spray mist or fog weekly with Pro-Tech Algicide and Disinfectant solution as needed. use 1 tsp of Pro-Tech Algicide and Disinfectant concentrate to 1 gallon of water.

Hawthorn, Hollyhock, Snapdragons-RUSTS:

Spray for protection should begin with the development of new leaves following Winter cleanup, or dormancy. Spray should begin before the onset of the raining season. Be sure the undersides of the infected leaves are covered by Pro-Tech Algicide and Disinfectant spray solution. For Hollyhocks, apply at weekly intervals. Start as soon as growth begins. Repeat application in late summer.

For Snapdragons collect and burn the tops in the Fall. Indoors avoid sprinkling the foliage when watering. Apply Pro-Tech Algicide and Disinfectant solution at 7 to 10 day intervals. Start when plants are set in the garden. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

Flowering Dogwood (cornus florida) LEAF SPOTS, LEAF BLIGHTS, ANTRACNOSE:

Small circular, dirty yellow spots with reddish purple margins on flowers, leaves, and young shoots. Spray 4 times: When flowers buds begin to open, as soon as flower buds have fallen, 4 weeks later, and in later Summer after flower buds are well formed. If possible, spray just before rainy periods. Use 1 oz. Pro-tech Algicide and Disinfectant concentrate to 4 gallons of water.

Hawthorn (Crataegus) LEAF BLIGHTS:

After a very wet Spring, small reddish brown spots appear on upper surface of leaves. When spots are numerous, leaves drop. Make 3 spray applications: First as soon as leaves emerge from buds; then when leaves are half grown; and again when fully grown. use 1 oz. Pro-Tech Algicide and Disinfectant concentrate to 4 gallons of water.

Snapdragons-PHYLLOSTICTA BLIGHT, ANTHRACNOSE, POWDERY MILDEW, DOWNY MILDEW, STEM ROT, RUSTS AND WILTS:

Spray with Pro-Tech Algicide and Disinfectant solution when symptoms appear. Spray upper and lower sides of leaves until thoroughly wet, every 7 to 10 days. Collect and burn the tops in Fall. Use 1 tsp Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

Carnations-LEAF SPOTS, CARNATION RUST, GRAY MOLD ROT, STEM ROT, CANKER ROT, CROWN ROT AND ROOT ROT:

For RUST, dip cuttings in Pro-Tech Algicide and Disinfectant solution before planting. For GRAY MOLD, apply Pro-Tech Algicide and Disinfectant solution 1 to 2 times just before bud bloom. Apply a light mist spray as the flowers are opening. Carefully collect and burn infected buds, blossoms, and stems. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

House Plants:

To control algae and cross contamination in Terrariums, bubbles, etc. Wipe inside of glass with paper towel dampened with Pro-Tech Algicide and Disinfectant solution. Lightly mist plants with Pro-Tech Algicide and Disinfectant solution. use 1/4 tsp. (scant) per quart of water.

Cut Flowers-Bacterial Stem Plugging:

Containers-tubes-and Decorative Vases.

To eliminate stem plugging, which restricts uptake of water and controls bacteria and fungi which creates ethylene gas, a cause of petal drop. Flower spikes should be hardened in Pro-Tech Algicide and Disinfectant solution during harvesting, storage, and shipping. Treatment with Pro-Tech Algicide and Disinfectant solution will help control transfer disease, such as Botrytis Petal Blight and Erwinia. Use 1 tsp. Pro-Tech Algicide and Disinfectant concentrate per 1 gallon of water.

GENERAL PURPOSE DISINFECTANT

For use in food processing plants, dairies, restaurants, animal quarters, poultry and turkey farms, kennels and other nonmedical institutions to disinfect pre-cleaned inanimate hard nonporous surfaces such as floors and walls. remove all gross filth or heavy soil and thoroughly clean the surfaces prior to application of disinfectant solution. Prepare a disinfecting solution of 1 3/4 ounce per 5 gallons of water and apply with a mop, cloth or mechanical sprayer so as to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove excess liquid. Prepare a fresh solution daily or when solution becomes diluted or soiled.

FOR ORCHIDS

Use against Fungal, Bacterial, Algal and Viral Plant Pathogens:

Seedlings:

From flask, soak seedlings two to five minutes before potting to remove agar. Helps prevent damping-off which may be caused by Pythium debaryanum, Fosarium sp. or Rhizopus negricans. To help control these organisms spray seedling once per month as preventative maintenance. Spray anytime disease is evident. Use 1-1/2 tsp. Pro-Tech Algicide and Disinfectant per gallon of water.

Adult Plants:

Spray anytime other than when rot (see below) is evident with a solution of 2 tsp. Pro-Tech Algicide and Disinfectant per gallon of water. Spray once per month as preventative maintenance. Drench compost when fungus is evident.

Dividing Plants:

Remove compost, then soak plant for 2 to 5 minutes in 1 tsp. Pro-Tech Algicide and Disinfectant solution per gallon water. Operate with wet hands and cutting tools (see above). After division and root trim, soak divisions in 1 tsp Pro-Tech Algicide and Disinfectant solution per 1 gallon water for 2 to 5 minutes. Pot in compost drenched with Pro-Tech Algicide and Disinfectant solution.

Botrytis Petal Blight:

During cool weather spray plants, flowers and under benches at first sign of spotting on flowers. Normally, weekly spray will greatly reduce or eliminate the botrytis spotting. Use 1 tsp. Pro-tech Algicide and Disinfectant per 3 gallons of water.

Cut Flowers:

Containers, tubes and decorative vases. Recommend flower spikes be hardened in 1 tsp. Pro-Tech Algicide and Disinfectant per gallon of water solution during harvesting, storage and shipping to help control transfer of such diseases as Botrytis Petal Blight, Erwinia and Phalaenopsis.

Rots (such as erwinia et al.):

Remove compost from plant, then soak entire plant 10 minutes or more in 1 tsp. Pro-Tech Algicide and Disinfectant per gallon of water. Cut away all rot with treated tool. Soak plant wounds again for 10 minutes in Pro-tech Algicide and Disinfectant solution. Repot in Pro-Tech Algicide and disinfectant drenched compost.

Crown rot (Phalsenopsis):

Spray plants weekly to assure solution getting around and in base of leaves with 2 tsp. Pro-Tech Algicide and Disinfectant per gallon of water.

DISEASE MANAGEMENT TREES, GOLF COURSES AND COMMERCIAL TURFGRASSES

To control fungal diseases in turf grasses, including lawns of GRASS or DICHONDRA, including dollar spot (Sclerotinia) fusarium blight (Fusarium), leaf spot (Heiminthosporium), brown patch (Rhizoctonia), fading-out (Curvularia), pythium blight, rust, toad stools, fairy rings, and algal build-up spray solution of one tablespoon (1/2oz) per gallon of water. Treat at the rate of one gallon of solution to 40 square feet (4ft. x 10ft.) of lawn. Treat entire turfgrass area to prevent spread of infection at least one foot beyond the edges of isolated diseased areas. Saturate the entire treatment area, wetting all plant and soil surfaces. Repeat spray applications every 10 to 14 day, as needed to control new or established disease conditions. Treatment is required during the warm growing season and may be made when the lawn is dry or damp, but not during wet rainy weather.

For golf courses, greens, tees, fairways, and commercial turf applications, follow the use directions above. If commercial power sprays are used, reduce spray concentration to one teaspoon per gallon of water (or one pint to 50 to 100 gallons of spray mixture to treat 10,000 square feet of 1/4 acre). (1.6 oz. per 1,000 square feet or 1/2 gallon per acre).

To sanitize mowing equipment and mowing reels, wash clippings from equipment thoroughly before spraying cutting parts at a tank-mix dilution of 1 oz Pro-Tech per 1 gallon water. Allow to dry.

DO NOT FEED TREATED CLIPPINGS TO LIVESTOCK.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.

DO NOT MIX WITH IRON (Fe) BASE MICRONUTRIENTS, DYE INDICATORS OR OTHER ANIONIC MATERIALS.

(One Ounce = 2 Tablespoons = 6 Teaspoons)

Trees (Sycamore, Ash, etc.)-ANTHRACNOSE:

Spray upper and under side of leaves and twigs until thoroughly wet. A large tree requires 50 to 60 gallons of spray per treatment for adequate coverage. Treat tree with three application: as buds start to swell in spring, as leaves start to expand; and, as leaves are about 3/4 grown. Use 1 ounce of Pro-Tech Algicide and Disinfectant to 4 gallons of water.

Palms-HEART ROT AND PENICILLIUM LEAVE BASE ROT:

At first sign of rot, completely fill cup, or "Heart", formed by palm branches at top center of plant. Repeat every 7 days until controlled. Use 1 ounce Pro-Tech Algicide and Disinfectant concentrate to 4 gallons of water.

MOSQUITO CONTROL WEST NILE VIRUS

Pro-Tech Algicide and Disinfectant is an Ovicide, Larvacide, Pupacide for Mosquito Control

For mosquito control in fountains, water displays, decorative pools, sewage treatment systems, spas, hot tubs, swimming pools, and standing water (in such places as old tires, empty tin cans, barrels, puddles, and water drains around buildings). Spray from fountains treated with Pro-Tech Algicide and Disinfectant will not harm pool-side plantings.

APPLICATION RATES FOR MOSQUITO CONTROL

| INITIAL DOSAGE | | | | |
|------------------------------------|-----------|---------|-------------------------|-------------|
| PRO-TECH ALGICIDE AND DISINFECTANT | | - per - | UNIT WATER FOR 200 ppm* | |
| Metric | U.S. | | Metric | U.S. |
| 3.80 cc | .13 oz | | 3,7853 liters | 1 gal. |
| 38.00 cc | 1.28 oz | | 37.8530 liters | 10 gals. |
| 380.00 cc | 12.80 oz | | 378.5300 liters | 100 gals. |
| 3,785.00 cc | 1.00 gal. | | 3.753 K | 1,000 gals. |

*ppm = parts per million

Treat water by "dribbling" Pro-Tech and Disinfectant solution (1 part Pro-Tech algicide and disinfectant added to 3 parts water) around the edges of the site to be treated (decorative ponds), where spraying is available - it may be used to apply the use solution - instead of the hand "dribbling" method.

**APPLY TANK-MIX SOLUTION TO TREATED AREA @ 1 GAL. TANK-MIX per 3 GALLON TARGET AREA
DO NOT USE WHEN FISH ARE PRESENT - KILLS FISH**

Pro-Tech when used as directed is effective in controlling *Aedes aegypti* (Yellow Fever carrier) and *Culex Nigripalpus* (carrier of numerous diseases of man & beast) Mosquitos. Pro-Tech will reduce larval populations of Malaria carriers (*Anopheles Quadrimaculatus*).

| WEEKLY MAINTENANCE | | | | |
|------------------------------------|---------|---------|-------------------------|------------|
| PRO-TECH ALGICIDE AND DISINFECTANT | | - per - | UNIT WATER FOR 100 PPM* | |
| Metric | U.S. | | Metric | U.S. |
| 1.90 cc | .065 oz | | 3,7853 liters | 1 gal. |
| 19.00 cc | .64 oz | | 37.8530 liters | 10 gals. |
| 190.00 cc | 6.4 oz | | 378.5300 liters | 100 gals. |
| 1,892.50 cc | 64 oz | | 3,7853 K | 1,000 gals |

*ppm = parts per million

Each week repeat maintenance dosage or add Pro-tech Algicide and Disinfectant using a test kit to maintain the proper concentration.

ALGICIDE FOR FOUNTAINS, WATER DISPLAYS, DECORATIVE POOLS/PONDS AND STANDING WATER.
(In such places as puddles at golf courses, recreational parks, amusement parks, universities and cemeteries.)

TREATING FLOATING ALGAE IN WATER

This product is effective against ALGAE.

It is a clear liquid that mixes readily in water and will not separate. With a little experience, you will quickly recognize algae contamination as it starts. Algae should be killed immediately! Remember algae can double or quadruple in growth every day.

TREATMENT

1. Remove floating type algae by raking/dragging with cable or chain; skimming - or any other suitable method. It is more economical to remove floating type algae (if possible) before the water is treated.
2. Treat water by "dribbling" Pro-Tech Algicide and Disinfectant solution, 1 part Pro-Tech Algicide and Disinfectant added to 4 parts water around the edges where algae first grows.

The use of solution need be applied only where visible algae growth is evident.

This use solution is often "dribbled" liberally along the windward side to float across the water - also along the leeward side where contamination gathers. Where a spray rig is available - it may be used to apply the use solution - instead of the hand "dribbling" method.

Algae is generally dead when it does not feel slick to the touch and the color has changed. However, algae does not always change color when killed. **NOTE: Algae does not usually grow in water that is 5 feet or more in depth. However, floating type algae may grow on pond weeds that grow on the surface of the water.**

APPLICATION

| Initial dosage | |
|---|--------------------------------------|
| 1 tsp. | per 52 gallons of water (5 ppm*) |
| 1 ounce | per 312 gallons of water (5 ppm*) |
| 1 pint | per 5,000 gallons of water (5 ppm*) |
| 1 quart | per 10,000 gallons of water (5 ppm*) |
| *ppm = parts per million active ingredients | |

WEEKLY MAINTENANCE:

You will observe Pro-tech Algicide and Disinfectant created a few extra bubbles. Each week add not more than one-half (1/2) the initial dosage. or, add slowly until the permissible bubble level is obtained. Apply by hand or automatic propotioner.

NOTE: When pool is to remain empty for several weeks or longer: Spray all exposed surfaces with solution (1 ounce per 2 gallons of water). This will control the growth of algae.

CONTROLLING ALGAE IN TURFGRASS

Spray with a solution of 1-1/2 quarts Pro-Tech Algicide and Disinfectant in 100 gallons of water (for smaller quantities, use 1/2 ounce Pro-Tech Algicide and Disinfectant to 1 gallon of water). Spray at the rate of approximately 4 gallons solution per 1,000 square feet.

NOTE: DO NOT USE when fish are present. It may cause fish to suffocate and die!

INITIAL TREATMENT: Fountain operating, put a few drops at a time in water, until slight patches of foam appear. Overdose reduces lighting efficiency.

EACH WEEK: Add drops until slight foam reappears.

EACH MONTH: Drain and clean bowl. Refill with fresh water and repeat initial treatment. Draining removes airborne dirt, dust, contamination, and alkali build-up.