

Consan® Triple Action 20

Lawn, Garden & Household Fungicide /Algaecide

Precautionary Statements

HAZARD TO HUMANS AND DOMESTIC ANIMALS. DANGER: KEEP OUT OF REACH OF CHILDREN.

Causes, eye damage and skin irritation. Do not get in eyes, on skin or clothing. Avoid breathing spray mists. Do not use on feeding and grazing grasses.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately. Remove and wash contaminated clothing before reuse.

Storage and Disposal

PROHIBITIONS

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE DISPOSAL

Pesticide spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to federal or approved state procedures under subtitle C or the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL

Plastic containers-triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in sanitary landfill, or by incineration if allowed by state and local authorities.

GENERAL

Consult Federal, state or local authorities for approved alternative procedures, such as limited open burning.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

APPLICATORS AND OTHER HANDLERS MUST WEAR:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves, such as: barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton.
- Shoes plus socks.
- Protective eyewear.
- Dust/mist filtering respirator

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to fish bearing waters. For terrestrial uses do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate waters by cleaning of equipment or disposal of wastes. Avoid application to turf areas actively grazed by waterfowl.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides/40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses. **Keep children and pets off treated lawns until area is completely dry.**

Consan Triple Action 20 is a multi-purpose disinfectant for the control of fungal, bacterial and viral ornamental plant pathogens, slime-forming fungi and algae and the odors these organisms may cause. Used as directed, the pesticidal residues of this product are biodegraded by normal soil micro-organisms.

One Ounce = Two Tablespoons = Six Teaspoons

TREATMENT OF LAWNS

To control fungal diseases in turf grasses, including lawns of GRASS or DICHONDRA, including dollar spot (Sclerotinia), fusarium blight (Fusarium), leaf spot (Helminthosporium), brown patch (Rhizoctonia), fading-out (Curvularia), pythium blight, rust, toad stools, fairy rings and algal build up spray a solution of one tablespoon (1/2 ounce) Consan Triple Action 20 per gallon of water. Treat at the rate of one gallon of solution to 40 square feet (4 ft. x 10 ft.) of lawn, Treat entire lawn to prevent spread of infection or 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 days, 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. 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 or 1/4 acre).

Do not graze treated areas or feed clippings to livestock. Do not apply this product through any type of irrigation system.

Control of Plant Diseases on Ornamental Plants

TREATMENT OF ROSES: To control leaf black spot, powdery mildew, rusts and stem gall, thoroughly wet all plant surfaces with a solution of one-half tablespoon (one and one half teaspoons) of Consan Triple Action 20 in one gallon of water. Apply during warm weather, by any convenient means at first sign of disease. Repeat in 10 to 14 days, and thereafter as needed. Do not apply during wet, rainy weather.

To control brown canker on roses, start applications in early Spring when new growth begins to show and continue weekly applications until plants are dormant. Additional applications should be made between periods of extended rainy weather to keep new growth covered.

TREATMENT OF FLOWERING ANNUALS, PERENNIALS, GARDEN SHRUBS AND TREES: to control disease problems on most flowering and ornamental plants, treat with a solution of two teaspoons of Consan Triple Action 20 in one gallon of water at the first signs of disease. Observe good garden sanitation; remove and burn all infected plant parts.

CALENDULAS, CHINA ASTERS, CHRYSANTHEMUMS, DAHLIAS, CREPE MYRTLE, LILAC, and LIVE OAK, can be protected from powdery mildew by spraying with a solution of two teaspoons of Consan Triple Action 20 in one gallon of water when symptoms first appear. Thoroughly wet upper and lower surfaces of all leaves, stems and branches. Spray when leaf buds burst in Spring and repeat every two weeks throughout the mildew season. Spray Live Oak trees at bud break and repeat in April.

SNAPDRAGONS can be protected from Phyllosticta blight, anthracnose, powdery mildew, downy mildew, stem rot, rusts and wilt diseases by spraying upper and lower leaf surfaces with a solution of two teaspoons of Consan Triple Action 20 in one gallon of water until thoroughly wet. Repeat every 7 to 10 days. To prevent plant disease build-up in the garden, collect and burn plant tops in the Fall.

IRIS can be protected from botrytis leaf spot by spraying foliage at weekly intervals with a solution of two teaspoons of Consan Triple Action 20 in one gallon of water during the growth season.

AUCUBA, DAHLIA, FUCHSIA, GERANIUM, GLADIOLUS, PEONY and PIERIS can be protected from botrytis gray mold, rusts and downy mildew by spraying affected plant parts with a solution of two teaspoons of Consan Triple Action 20 in one gallon of water when disease symptoms on new growth are first detected. Remove all dead flowers, leaves or stems before spraying. For rust control, spray with the same solution at one to two week intervals during periods of wet weather, beginning in early Summer. For botrytis control, use a fine mist application of a solution of two teaspoons of Consan Triple Action 20 in one gallon of water and lightly spray buds and blossoms two to three times a week.

CARNATIONS can be protected from stem rot, canker rot, crown rot, root rot and gray mold rot by thoroughly wetting all plant surfaces with a solution of two teaspoons of Consan Triple Action 20 in one gallon of water at first signs of disease. For gray mold control, use one or two fine mist applications of a solution of two teaspoons of Consan Triple Action 20 in one gallon of water just before blossoming. Lightly spray buds and blossoms. Infected buds, blossoms and stems should be picked off, collected, and burned.

FUCHSIA, GARDENIA, GERANIUM, and HELIOTROPE can be protected from stem rot and gray mold bud rot with weekly applications of a solution of two teaspoons of Consan Triple Action 20 in one gallon of water, as a fine mist spray or fog, at first signs of disease. Pick off all infected buds, blossoms and stems and burn.

KALANCHOE, CRASSULA and SEDUM can be protected from root rot, crown rot and crown gall by removing and burning infected plant parts and drenching the remaining plants with a solution of two teaspoons of Consan Triple Action 20 in one gallon of water. Spray plants at weekly intervals thereafter with the solution until the disease is controlled.

HAWTHORN, HOLLYHOCK and SNAPDRAGONS can be protected from plant rust diseases by a spray program utilizing a solution of two teaspoons of Consan Triple Action 20 in one gallon of water. Begin disease prevention by good garden sanitation involving removal of all plant debris during the Winter or dormant season. Begin the spray program when new leaves appear and before onset of the rainy season, taking care to spray the undersides of potentially infected leaves. Hollyhocks should be sprayed at weekly intervals when spring growth begins and again in late Summer. Treatment for snapdragons should begin when plants are set in the garden and repeated at 7-10 day intervals.

HAWTHORN can be protected from leaf blight and subsequent leaf drop, which may occur after very wet Spring weather, by three spray applications of a solution of two teaspoons of Consan Triple Action 20 in one gallon of water. Make first application as soon as leaves break out of their buds. Spray again when leaves are half grown and for the third time when they reach full size.

FLOWERING DOGWOOD (Cornus florida) can be protected from anthracnose, leaf blight and leaf spot with four applications of a solution of two teaspoons of Consan Triple Action 20 in one gallon of water. The first spray should be made when flower buds begin to open and the second as soon as flower bracts have fallen. The third spray should be made four weeks later and the fourth in late Summer after the flower buds for next Spring are formed. Spray treatments are most effective when made just before rainy periods.

ASH, SYCAMORE and other susceptible trees can be protected from anthracnose by three spray treatments of all leaf and twig surfaces with a solution of two teaspoons of Consan Triple Action 20 in one gallon of water until they are thoroughly wet. Large trees may require 50-60 gallons of spray for complete coverage. Spray trees when leaf buds start to swell in April and repeat when leaves begin to expand. Make the third application when leaves are about 75% of their full size.

PALMS can be protected from heart rot and pencilium leaf base rot at the first signs of rot by completely filling the cup formed by the radiating frond bases at the top center or "heart" of the plant with a solution of one fluid ounce of Consan Triple Action 20 in one gallon of water. Repeat the treatment at weekly intervals until rot disease is controlled.

CREPE MYRTLE, PEAR and other susceptible FRUIT trees can be protected from bacterial fireblight with a solution of one tablespoon of Consan Triple Action 20 in a gallon of water. Spray mist or rinse the complete plant. Treat fruit-bearing pear and other fruit-bearing trees only in early Spring and after harvest in late Fall or while the tree is dormant. Crepe Myrtle and all susceptible ornamental fruit trees should also be treated during warm weather, and after pruning. Repeat treatment at two week intervals as needed.

Greenhouse and Plant Propagation Applications

GREENHOUSE HARD SURFACES: To disinfect hard inanimate surfaces (such as glass, work surfaces, benches, flats, pots, tools, cooler pads, walkways, and walls) add 1/4 fluid ounce (1 & 1/2 teaspoons) Consan Triple Action 20 to one gallon of water. Apply solution with mop, cloth, sponge, or mechanical sprayer so as to wet thoroughly. Allow to remain wet for ten minutes, and then let air dry.

WORK AREA AND BENCHES: To kill plant disease organisms responsible for root rot, crown rot, botrytis, downy mildew, etc., spray or swab all working surfaces before each work period, and again after work on each plant is completed, with a solution of one tablespoon of Consan Triple Action 20 to one gallon of water.

FLOWER POTS, BUCKETS AND FLATS: To kill plant disease organisms responsible for root rot, crown rot, anthracnose, mildew, rusts and plant blights, brush or wash used pots, buckets or flats and then soak them in a solution of one tablespoon of Consan Triple Action 20 to one gallon of water for at least 10 minutes.

CUTTING TOOLS: To disinfect, soak the cutting edges of plant care tools in a solution of one teaspoon of Consan Triple Action 20 to one gallon of water for at least 10 minutes, and use the wet tool on each plant. Repeat the disinfection soak after use on each plant to kill and prevent transmission of plant disease organisms such as stem rot, root rot, Tobacco Mosaic Virus (TMV), and botrytis. Rinse the plant tools in clean water and oil at the end of each work period.

WALKWAYS: To remove and control heavy algal growth on greenhouse or garden walkways, apply solution of 1/4 fluid

ounce (1 & 1/2 teaspoons) Consan Triple Action 20 in one gallon of water with a mop or mechanical sprayer and let stand for at least one hour. Then scrub or wash dead algae. Apply solution again and let walkway air dry for inhibition of new algal growth. Repeat treatment whenever algal growth returns.

GARDEN BIRD BATHS: DO NOT USE FOR FISH CONTAINERS!

To remove build-up of algal growth from an empty bird bath, apply a solution of one tablespoon Consan Triple Action 20 in one gallon of water with a cloth, sponge or mechanical sprayer and allow to air dry. Brush off dead algae before refilling with water.

EVAPORATIVE COOLERS: To control bacteria, algae, slime forming fungi and certain plant pathogens which may be circulated through the cooler, treat every other week with one ounce of Consan Triple 20 for every 30 gallons of cooler water.

TREATMENT OF BULBS AND RHIZOMES: To control fusarium basal rot of **DAFFODIL, NARCISSUS, HYACINTH, TULIPS, EASTER LILIES, GLADIOLI,** and **IRIS,** clean newly dug corms, bulbs or rhizomes and then soak them for 10 minutes in a solution of 1/4 fluid ounce (1 & 1/2 teaspoons) Consan Triple Action 20 in one gallon water. Air dry prior to storage and treat again just prior to replanting.

To control botrytis crown rot and gray mid rot of **IRIS,** soak rhizomes and 3 to 4 inches of leaf bases for 30 minutes in a solution of two teaspoons Consan Triple Action 20 in one gallon of water and plant treated rhizomes while they are still wet.

TREATMENT OF PLANT CUTTINGS: To control mildew, crown gall, and gray mid leaf spots on **BEGONIA, FUCHSIA, GERANIUM,** and **CHRYSANTHEMUM,** completely immerse cuttings for 5 minutes in a solution of two teaspoons Consan

Triple Action 20 in one gallon of water. Plant in sterilized potting soil or in compost which has been completely saturated in the specified Consan Triple Action 20 solution.

To control underground rotting, bacterial leaf spot and slimy collar rot of disease-free **CACTUS** cuttings, soak entire cutting in a solution of two teaspoons Consan Triple Action 20 in one gallon of water for 5 minutes before planting. Spray rooting cuttings with this same strength solution at 1 to 14 day intervals. To control development of rust on **CARNATION,** completely immerse cuttings in a solution of two teaspoons Consan Triple Action 20 in one gallon of water for 5 minutes before planting.

TREATMENT OF SEEDS AND SEEDLINGS: To reduce damping off of seedlings, place seeds in a flask and completely cover with a fresh solution of one-half tablespoon Consan Triple Action 20 in one gallon of water. Soak for 5 minutes, then drain the Consan Triple Action 20 solution and plant immediately.

To reduce damping off problems in commercial operations (*Ornamental plants only*), place seedlings in a flask and completely cover with a solution of one-half tablespoon Consan Triple Action 20 in, one gallon of water. Soak for 5 minutes, and then plant immediately. The Consan Triple Action 20 solution can be reused, but it should be replaced daily or when it becomes visibly dirty.

Plant treated seedlings in sterilized potting medium or in garden soil completely saturated with Consan Triple Action 20 solution. (In pots or trays, add the one-half tablespoon per gallon solution to the surface of garden soil until it drains through the soil and out bottom of container).

To control spread of damping off in planted seedlings (*Ornamental plants only*), use a mechanical sprayer to thoroughly

wet all plant surfaces with a solution of one teaspoon of Consan Triple Action 20 in one gallon of water.

To control sporulation and spread of downy mildew in planted seedlings (*Ornamental plants only*), use a mechanical sprayer to thoroughly wet all plant surfaces with a solution of one ounce (two tablespoons) Consan Triple Action 20 in three gallons of water. Respray at 5-day intervals until disease is under control.

TREATMENT OF GREENHOUSE AND POTTED HOUSE

PLANTS: To control disease problems on most greenhouse ornamentals and house plants, treat with a solution of one teaspoon of Consan Triple Action 20 in one gallon of water at the first signs of disease. Observe good plant sanitation; remove and burn all infected plant parts.

To control algal build-up and cross contamination by plant disease organisms in terrariums, flasks and bubbles, wipe inside of glass with a towel dampened with a solution of one teaspoon of Consan Triple Action 20 in one gallon of water.

AFRICAN VIOLETS (Saintpaulia) can be protected from botrytis gray mold rot, bud rot, downy mildew, powdery mildew root rot or crown rot by complete coverage of foliage with a solution of one-half teaspoon of Consan Triple Action 20 in one gallon of water. Coverage can be obtained by spraying, but dipping of the entire plant and pot in the solution is more effective. Repeat treatment every 10 days until control is achieved.

FERNS, BEGONIAS and **GESNARIA** can be protected from leaf spot, gray mold bud rot, and shoot rot by spraying with a solution of one teaspoon of Consan Triple Action 20 in one gallon of water at first signs of disease. Maintain, good plant sanitation by removing all plant debris and dead leaves. For begonias and gesnariads, spray before buds open and respray when flower petals have fallen and again two weeks later.

RUBBER PLANT can be protected from anthracnose attack of stems and leaves, and from stem crown gall, by removal and burning, of infected plant parts at the first signs of disease. Then spray, mist or fog the plant(s) with a solution of one teaspoon of Consan Triple Action 20 in one gallon of water and repeat treatment weekly until control is achieved.

ORCHIDS can be sprayed once a month, with a disinfecting solution of one tablespoon of Consan Triple Action 20 per gallon of water as a fungal preventative. At the first sign of Erwinia rot, remove compost and soak the entire plant, for at least 10 minutes in the disinfectant. Then remove all infected tissues with a disinfecting cutting tool and resoak the cut surfaces in Consan Triple Action 20 disinfectant for an additional 10 minutes. Repot in disinfectant drenched compost. Crown Rot (Phalenopsis) can be controlled by weekly applications of a solution of two teaspoons of Consan Triple Action 20 per gallon of water. Cover all surfaces, particularly in and around orchid leaf bases.

When dividing orchids, transmission of plant pathogens can be prevented by removing compost and soaking plants for 2 to 5 minutes in a disinfecting solution of one tablespoon of Consan Triple Action 20 in one gallon of water. Wet hands and cutting tools with disinfectant before plant division and root trimming. Then resoak divided orchids in disinfectant for an additional 2 to 5 minutes. Repot in disinfectant drenched compost.

TREATMENT OF CUT FLOWERS: To control mold and downy mildew development on cut flowers, dip harvested plant spikes in a solution of two teaspoons of Consan Triple Action in one gallon of water prior to shipping. To prevent bacterial stem plugging of cut flowers, harden stems in a solution of one teaspoon of Consan Triple Action 20 in one gallon of water following harvest and during storage and shipping in containers, tubes or decorative vases.

Hard Surface Application Directions for Use

Consan Triple Action 20 is a multi-purpose disinfectant, sanitizer-deodorant for use in homes, nursing homes, hospitals, offices, schools, and institutions.

All surfaces to be sanitized or disinfected must be thoroughly cleaned BEFORE application of this product!

FOR SANITIZING

Use one ounce to 8 gallons of water (200 PPM).

FOR DISINFECTING

Use one ounce to 4 gallons of water (400 PPM).

One Ounce = Two Tablespoons = Six Teaspoons

GENERAL HOME AND OFFICE SURFACES: Use to disinfect and deodorize hard surfaces such as floors, walls, garbage carts, locker rooms, tubs and showers, lavatories and toilet seats. Use the disinfecting solution. Apply the disinfecting strength solution (see above) by sponge, mop or spray to thoroughly wet all surfaces and keep wet for 10 minutes. Allow surfaces to air dry and do not rinse. Always clean these surfaces thoroughly before disinfecting.

LAUNDRIES: Consan Triple Action 20 provides residual bacteriostatic activity when used at the disinfecting rate of one fluid ounce to four gallons of water, as determined by the Petrocci and Clark Method for laundry additives.

Add Consan Triple Action 20 only to the final rinse water! Do not mix Consan Triple Action 20 with common soap, detergents or other anionic materials.

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Consan Triple Action 20 controls Black Spot on roses, Brown Patch on lawns, Powdery Mildew on Crepe Myrtles, and Algae on garden surfaces. It is biodegradable.

Consan Triple Action 20 also controls plant diseases on ornamental plants, including Brown Canker on Roses, Anthracnose on Trees, Downy Mildew on African Violets, Crown Rot on African Violets and Phaleonopsis Orchids, Leaf Spot on Ferns and Begonias, and Rust on Hawthorn.

Use **Consan Triple Action 20** to treat Downy Mildew development on cut flowers, to wash interior and exterior walls, to add to paints to act as a mildewcide, to control odors in carpets, to add to laundry for odor-free sanitation, and for spot disinfection.

Before usage, peel back label for complete use directions and precautionary statements.



Parkway Research

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