



PERpose™



“Plant and Soil Oxygen Enhancer”

For use in Horticulture, Agriculture and Turf

Active Ingredients: 33% Hydrogen Peroxide/Dioxide
67% Proprietary Stabilizers, Buffers and Inert Ingredients
Total 100%

In Emergencies call: Chemtrec: (800) 424-9300	Shipping Information:
For Industrial Use only	UN 2014, Hydrogen Peroxide Aqueous Solution
Keep out of reach of Children	(With 20% or more but less than 40% Hydrogen Peroxide)
Non-Plant Food Ingredients	Class 5.1 (8), PGII Oxidizer, Corrosive, ERG140.
Hydrogen Peroxide Case # 7722-84-1	Store in Cool Place out of Direct Sunlight.



Oxidizer



Corrosive
DANGER



Health Hazard

May cause fire or explosion; strong oxidizer

May Cause severe skin burns and eye damage. May cause Breathing Difficulties if Inhaled.

Keep away from heat and flame. Keep/store away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Wear protective neoprene gloves/eye protection/ face protection. Wear fire/flame resistant /retardant clothing. Do not breathe dusts or mists. Wash arms, hands and face thoroughly after handling. Use with adequate ventilation/wear Respirator. Keep container closed. Store locked up in cool, well ventilated place. Dispose of contents and container in accordance with local, state and federal regulations.

First aid:

IF ON SKIN: (or hair) or clothing: Immediately rinse contaminated clothing and skin with plenty of water before removing clothes. Wash contaminated clothing before reuse. Specific Treatment: Treat with doctor-prescribed burn cream.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call poison center.

Fire: Use water to extinguish

In Case of Major Fire and large Quantities Evacuate area. Fight fire remotely due to risk of explosion.

Before using this product, read Safety Data Sheet.

Manufactured for and Guaranteed by:

A Growing Alternative, Inc. 751 Fairview Church Road, Spruce Pine, NC 28777 Phone 828-766-6179

www.agrowingalternative.com

Available in: 5 Gal-18.93 L 15 Gal - 56.78 L 30 Gal -113.56 L 55 Gal -202.38 275 Gal -1011.90 L

PERpose Plant & Soil Oxygen enhancer

DIRECTIONS FOR USE:

PERpose™ Plant & Soil Oxygen Enhancer oxygenates plants and soils and will help maintain healthy plant roots, while allowing a more efficient movement of oxygen and nutrients. PERpose™ can also reduce the problems associated with anaerobic conditions. PERpose™ can be applied as a foliar and/or soil drench, into the root zone.

Compatibility

Do not use at higher than recommended application rates as leaf burn may result. PERpose™ Plant and Soil Oxygen Enhancer provides a source of activated oxygen applied directly over plant surfaces and into the soil, and has been shown not to cause adverse cosmetic effects on most plants.

Solution Preparation

PERpose™ works best when diluted with water containing low levels of organic, or inorganic materials, and having a neutral pH.

Thoroughly rinse out mixing tank with water before mixing concentrate, or residues may cause product to lose effectiveness.

1. PERpose™ will readily mix with clean, neutral water and does not require agitation.
2. PERpose™ concentrate must not be combined or mixed with any other pesticide or fertilizer.
3. Do not reuse already mixed solution; make fresh daily.
4. Prepare a solution by filling the tank with the required volume of water and then adding concentrate as required.

For use as an Oxygen Enhancer on plant material and in soils, including bedding plants, flowering plants, roses, poinsettia, ornamentals, nursery stock, trees, turf, bulbs, seedlings, seeds, and seedbeds, etc.

For oxygen enhancement of plants and soils, PERpose™, applied through injectors, misting systems, sprayers, irrigation and chemigation systems, will maintain healthy plant roots. Another side benefit is the reduction/elimination of mineral crustacean (Scale build-up) in lines, filters, mist/fog heads, tanks, cool pads, etc.

For irrigation systems, including (flooded floors, flooded benches, recycled water systems, and misting systems). Treat water with ¼ to 1 gallon of product per 10,000 gallons of water.

For soil application during mist propagation of plugs, inject PERpose™ into misting system using a 1:1000 dilution rate, for four to ten days on a consecutive basis. Maintain concentration of 1:1000 to 1:5000 throughout the propagation cycle to help maintain healthy plant roots.

Using PERpose™ as a soil drench.

Used as a soil drench at the time of seeding or transplanting, as well as a periodic drench, will maintain healthy plant roots. PERpose™ can also be used on potting soil and growing medium prior to planting.

1. Use 1 fl. oz. per gallon of water.
2. Apply to soil or growing media to the point of saturation.

PERpose™ Applied into the soil via foliar application in greenhouses.

Foliar application with PERpose™ directly over plant material is an excellent method of supplying additional oxygen as it runs down leaves, flowers and stems and into the soil.

Applying PERpose™ over ornamentals, bedding plants, flowering plants, shrubs and trees will maintain healthy plant roots.

Initial Application:

1. Use ¼ fl. oz per gallon of water.
2. Spray, or mist, over plants and into the soil in early morning or late evening for best results.

Weekly soil application:

1. Use ½ fl. oz. per gallon of water.
2. Spray weekly for best results.

PERpose™ Applied as a foliar treatment in the field.

Foliar application is just another method for soil application. Apply PERpose™ into the soil, directly over nursery stock, such as woody ornamentals, bedding plants, flowering plants, roses, container plants, azaleas, rhododendrons, conifers and shade trees, to maintain healthy plant roots.

Initial Application:

1. Use 1 fl. oz. per gallon of water.

Weekly application:

1. Use 1/2 fl. oz. per gallon of water.
2. Spray, or mist, over plants and trees, and into the soil. Application can be done through irrigation or chemigation systems.
3. Apply weekly for best results.

For seedbed treatment, apply PERpose™ prior to sowing seed.

Use 1 ½ fl. oz. per gallon of water. Thoroughly wet or drench the seedbed to the point of saturation, with 60 to 100 gallons of dilute solution per 1000 square feet. Let set for one hour, then immediately seed soil.

After seeds have germinated, use 1/2 fl. oz. per gallon of water. Lightly spray or irrigate the soil and seedlings until thoroughly wetted. For best results, apply weekly until seed is well established.

Turf applications using PERpose™, to maintain healthy turf roots.

For use on all turf types such as commercial turf, lawns, athletic fields, golf course fairways, greens and tees.

1. Dilute 1 fl. oz. per gallon of water. Apply 1 – 5 gallons of dilute solution per 1000 square feet.
2. Repeat applications weekly, preferably after grass has been cut, and early in the morning, or late afternoon, for best results. Applications can be made during wet or rainy weather. PERpose™ can be injected through automatic irrigation systems on turf.

PERpose™ reduces/eliminates scale build up in pipes, holding tanks, fog/mist heads and filters. PERpose™ will reduce/eliminate scale build up in water and is environmentally friendly. To reduce/eliminate scale build up, PERpose™ can be used through injectors, mist/fog systems, sprayers, irrigation and chemigation systems. PERpose™, used at suggested dilutions, is not harmful to animals, plants, or humans, even with long-term exposure.

For evaporative coolers: To reduce/eliminate scale build up on pads, add PERpose™ concentrate to the water initially with a 1:500 dilution and apply to pads. To reduce/eliminate scale build up on pads, add PERpose™ concentrate to re-circulating cooler water weekly with a dilution of 1:500, or 1/4 oz. for each gallon of cooler water.

For Irrigation Systems: To reduce/eliminate scale build up in recycled water systems, humidification systems, mist/fog systems and cool pads, add PERpose™ concentrate to existing water initially with a dilution of 1:500, or ¼ oz. per gallon of water. Add PERpose™ concentrate to re-circulating water weekly, with a dilution rate from 1:1000 up to 1:10,000. Please see our web site: www.agrowingalternative.com for more information.

For Control of Odors: in, but not limited to, Animal Housing Facilities, Poultry Hatcheries, Poultry Premises, Veterinary Clinics, Animal Life Science, Cooling Water Systems, Industrial Facilities, Laboratories, Rest Rooms, Recreational Facilities, Retail and Wholesale Establishments, Health Care Facilities, Hog Facilities, Office Buildings, Hospitals, Colleges, Schools, Dairies, Environmental Waste Control Systems, etc.

For best results, pre-clean areas to be treated, then use 1-2 fl. oz. PERpose™ concentrate per gallon of water and apply generously. Repeat treatment as needed.

WARRANTY

This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions for use. Buyer assumes all risks associated with the use, storage, or handling of this material. TO THE EXTENT ALLOWABLE BY STATE LAW, NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.

Product Storage

Avoid damage to containers. Keep container closed at all times when not in use. Keep container out of direct sunlight. To maintain product quality, store at temperatures below 86°F. Do not store on wooden pallets.

NEVER RETURN PERpose™ TO THE ORIGINAL CONTAINER AFTER IT HAS BEEN REMOVED. Avoid all contaminants, especially dirt, caustic reducing agents, and metals. Contamination and impurities will reduce shelf life and can induce decomposition. In case of decomposition, isolate container, douse container with cool water and dilute product with large volumes of water.

Container Disposal

Empty drums are not returnable to A Growing Alternative, Inc. Triple rinse drums with water. For more information see Material Safety Data Sheet.