

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%

NON-PLANT FOOD INGREDIENTS

HIMS Ratings	
Health	3
Flammability	1
Reactivity	1

**IN EMERGENCIES CALL CHEMTREC:
(800) 424-9300
FOR INDUSTRIAL USE ONLY
KEEP OUT OF REACH OF CHILDREN**

DANGER!

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY CAUSE NERVOUS SYSTEM EFFECTS.

Avoid contact with eyes, skin and clothing.

Avoid breathing vapor or mist.

Keep away from heat and flame.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

FIRST AID

1. In case of contact with skin, immediately rinse off with large amounts of water.
2. In case of contact with eyes, immediately rinse out with large amounts of water for at least 15 minutes, carefully holding eyelids open. Get medical attention immediately.
3. If swallowed, have patient drink plenty of water to dilute stomach contents. Do not induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.
4. In case of inhalation of hydrogen peroxide vapor, allow the patient to rest; severe cases may require hospitalization.

Small fires: Use water to douse, do not use dry chemicals or foams.

Small spills: Use a non-combustible material like vermiculite or sand to soak up the product and place in a chemical waste container. Flush residual spill with water. Since emptied containers retain product residue, follow label warnings even after container is emptied. Before using this product, read Material Safety Data Sheet.

Manufactured and Guaranteed by: A Growing Alternative, Inc.
751 Fairview Church Road
Spruce Pine, NC 28777
828-766-6179

www.perpose.com

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 ¾ 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 ¾ 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 spray 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 1:50 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. PERpose™ test strips are recommended to maintain desired PPM. Please see our web site:

www.perpose.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.

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.

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