



## HOW TO USE

### FOR PLANTS:

4" pot	Use .25 pounds	1 cup (approx)
1 gal	Use 1 pound	1 qt (approx)
2 gal	Use 2 pounds	.5 gal (approx)
3gal	Use 3 pounds	.9 gal (approx)
5 gal	Use 5 pounds	1.5 gal (approx)
10 gal	Use 10 pounds	3 gallons (approx)
15 gal	Use 15 pounds	4.5 gallons (approx)

### FOR NEW LAWNS, EITHER SEED OR SOD:

Blend 22 lbs. (1 sack) per 1 cubic yard of mulch/compost. Till in to a depth of 4-6 inches. This will equal 10% by volume.

### TURF AERATION:

Aerating with 5/8" lines using a 3" x 4" pattern will require 22 lbs. of Jim's Green Label per 100 sq ft of mulch/compost. Harvest the cores, apply Jim's Green Label. A drop spreader is preferred, then use a rake, broom, blower or water hose to help the Jim's Green Label fill the holes. Using water will also clean the area, force more Jim's Green Label into the holes and pre charge the Jim's Green Label.

### HANGING BASKETS:

We recommend 20% by volume. Other ways to apply are to punch holes in the soil at 5-6 locations around the plant and fill with Jim's Green Label.

### ROOFTOP GARDENS:

We recommend 20% by volume. Other ways to apply are to punch holes in the soil at 5-6 locations around the plant and fill with Jim's Green Label.

### OFFSITE BLENDING:

To create a 10% by volume mix, use 22 lbs. of Jim's Green Label per cubic yard.

For additional help to determine specific volumes of Jim's Green Label, or help with unique applications or further assistance, please contact us!

**Brett Verbeek (720) 641-8143 / Jim Olive (281) 802-3597**  
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## **NURSERY STOCK, SEED GERMINATION, CUTTINGS FOR PROPAGATION**

When commercial growers are creating their soil mix to propagate their cuttings or seedlings they use a variety of products that contain sphagnum peat moss, perlite, vermiculite, gypsum, dolomite limestone and fertilizer nutrients.

When the plant seed or cutting is placed in this soil medium, usually in a pot, the key element for success of the plant's survival is to maintain a certain moisture and nutrition level in the soil. Jim's Green Label is the answer to this problem. By incorporating Jim's Green Label into the soil mixture, you are now going to water and feed the roots as they need it.

Jim's Green Label, will absorb the excess nutrient solution and release it back into the soil as the pot begins to dry out. This unique feat allows the necessary oxygen to get to the seed or cutting allowing the roots to grow at maximum performance. You are not overburdening the seed or roots with too much moisture which impedes the necessary oxygen penetration. In addition, too much moisture could pose a problem of root rot.

Jim's Green Label will not cause root rot, it brings root rot under control. The root rot spore requires "free water". Jim's Green Label will not release its absorbed moisture until the plant medium is dry enough to accept it. Now the grower can expect to receive a very healthy plant, higher yields, and a stronger root structure.

In the event the grower wishes to ship his product via a non-refrigerated truck to the point of destination, Jim's Green Label, will continue releasing moisture: back to the plant's roots keeping the plant's roots cooler and out of a state of shock. This should reduce plant losses to less than 5%. In addition, the cost savings of a non-refrigerated truck should more than offset the cost of Jim's Green Label.

To recap, by using Jim's Green Label in the growing medium, the grower should expect:

1. Increased yields up to 30%
2. No problem with root rot
3. A healthier plant!
4. A stronger root structure
5. A plant that is taller, healthier and more fruitful should bring you a higher price
6. Irrigation and fertilizer savings

For nursery stock seed germination and cuttings, a 15% mixing ratio is recommended, one part Jim's Green Label to six parts planting mix.

Growers have shown good results with only a 7% mixing ratio. Clay pots, due to their porosity, need a 25% mixing ratio.

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## ESTABLISHED TURF

### ***LOW SPOTS HOLDING WATER***

Established lawns through lime with trees, pets and children will create low areas that hold pooled water. As the water gathers in these areas, the weight of the water compresses the soil further making it more dense, not allowing the oxygen requirements to instill healthy growing conditions and reducing the water percolation ability. Since the area has been compressed, when it rains or is irrigated these areas cannot absorb this excess moisture. The areas maintain a wet consistency and are the most susceptible to fungal disease in the early Spring and early Fall seasons. In addition, the root mass stays at the soil surface because it is always moist.

These areas can be brought back to a healthy deep rooted turf area as well as eliminate this standing water by implementing Jim's Green Label into the soil layers below. Jim's Green Label, will act as a drainage system by strategically placing Jim's Green Label in these low areas in the turf acting like a sump pump absorbing and transposing this moisture to the lower soil layers.

By implementing Jim's Green Label product in this manner, you are saving the time and expense of a pipe drain system and you are getting the added benefit of knowing your turf is getting healthy again in these areas. This process is a tremendous cost saver and a permanent solution to the problem.

### ***REDUCE IRRIGATION WATERING TIME***

Since you already have an established turf in place, you must use a method to get Jim's Green Label below the thatch layer to allow the needed moisture back to the roots when the soil begins to dry out. This method is recommended:

1. Mow the turf as low as possible without doing harm to the turf.
2. Aerate the turf areas.
3. Perform a topdressing with six parts sand and one part Jim's Green Label mixture.
4. Drag the topdressing mixture into the aeration holes and leave a small topdressing on the surface.
5. Water the area for approximately 20 minutes.

### ***APPLICATION INSTRUCTIONS***

100 Square feet of area topdressed at one inch depth is equal to 1/3 cubic yard of sand; mix this sand with 2 pounds Jim's Green Label.

Thus one cubic yard of sand will cover 300 square feet. Mix six pounds of Jim's Green Label per cubic yard of sand and topdress one inch.

# GOLF COURSE, SPORT & PARK TURF INFORMATION

Jim's Green Label is amorphous silica ash derived from a patented burning process using the 'biomass', rice hulls, to generate electricity to run the rice mill. The by-product of this burning is rice hull ash (RHA). The RHA is 98% hollow and will absorb water at a ratio of about 1:1. As the surrounding soil dries, the RHA releases water to the plant as needed. It is designed as a soil amendment for use in the soil profile as a one time application that aerates, waters and stimulates deeper roots and microbial activity. RHA accomplishes this by extending the time between watering along with aeration of the roots. This application promotes a stress free plant with optimum growth using less irrigation thus conserving water and other resources, i.e.. electricity, labor, plants, etc.

## **COMPACTED SOIL SOLUTION**

When RHA is amended into the soil profile, it brings the necessary oxygen to the lower soil layers to aerate and stimulate deeper watering and develop denser roots while simultaneously enhancing microbial activity that assists to breakdown fertilizers and salts in the lower soil layers.

## **WATER DEFICIENCY SOLUTION**

RHA will absorb moisture from the humidity, dew, condensation, and rainfall. This allows the irrigation cycle to be reduced and extend the time between watering. Moisture is being fed continually to the roots from both surface and subsurface soil layers through reverse capillary action.

## **GOLF COURSE, SPORTSTURF, & PARK APPLICATIONS**

Practical Water Management: The objective of a turfgrass manager is to provide as fine a lawn or playing surface as desired with a minimum use of labor and resources i.e., water, fertilizer, etc. In situations where the root-zone is very shallow, leaching losses must also be taken into consideration.

From observations in Texas, we know that Bermuda grass will survive with about 20 inches of water per year. From research, Bermuda grass can be kept green during the growing season with only 50% of the potential water use rate or approximately 30 inches per year if the applications of water are consistent. A lawn may only require 30" of water per year. A sports field or golf course where growth is needed for recovery, more than 30 inches may be needed. Therefore, if your objective is water conservation, 20 inches is needed for survival, 30 inches for acceptable color and about 40 inches for adequate color and growth. These are common values for Bermuda grass. Hybrid Bermuda grasses such as Tifway and Tifgreen require slightly more water for the same level of maintenance.

By incorporating Jim's Green Label into your soil profile. you are able to extend watering of hybrid Bermuda grass growing in pure sand on a putting green. This allows reduction of water usage, conservation of resources saving labor costs. and minimize fertilizer usage to achieve the same or greater results as are presently obtained. An added benefit obtained from Jim's Green Label is reverse capillary action which will trans-locate moisture from a lower soil layer to a higher soil layer making it available to surface roots.

## **HEAVY TRAFFIC/PLAY AREAS**

Jim's Green Label is 98% hollow and has a compression rate of only 12% which maintains an oxygen level in the soil to keep it from compacting. Incorporating Jim's Green Label into high traffic and play areas reduces compaction of the soil, improves drainage in those areas and promotes deeper roots structure while enhancing the turf area. Golfers will notice a turf with bounce due to the constant supply of oxygen to the soil and elimination of hard and compacted areas reducing sports injuries and turf which seems to never repair itself



## JIM'S GREEN LABEL FLOOD CONTROL AND MORE

### **ADVANTAGES:**

1. Slows rainwater from entering the storm drains.
2. Return rainwater into the ground for future use.
3. Retains the rainwater for 30 - 36 hours.
4. Retained water never gels to the storm sewers/under 2" rainfall.
5. The yard injected needs only 15 minutes of water a week during drought.
6. The yard is self-watering most of the year
7. Fewer grub worms. Fire ants and other critters.
8. Harmless to pets and children.
9. Underground water does not breed mosquitoes.
10. Stops long term standing water anywhere around play sets, water bibs and between houses.
11. Ideal for waterlogged playing fields.
12. Stabilizes muddy areas. Aerates permanently.
13. 100% Non-toxic.
14. Will last in place indefinitely.
15. Currently sold to golf courses and professional landscapers to eliminate water pooling and reduce watering needs and improve grass and plant health.

### **INSTALLATION FOR PROBLEM AREAS:**

Where there is water pooling, use a post hole digger or auger, dig from 18" to 2 or more feet and fill with Jim's Green Label. The standing water will be wicked down into the subsoil.

We hope that this will give you some idea of the uniqueness of this product.

For more information. email [jolive@organicdistributors.com](mailto:jolive@organicdistributors.com) or call us at one of the numbers listed below.

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