

PLANT GEL INSTRUCTIONS

PLANT GEL is an excellent growing medium for plants due to its water absorbing ability. PLANT GEL can be used alone or with soil.

Over 90% of the water and plant food are directly available to the plant's root system. No other component used in growing mixes allows this much absorption by plants. For example, clay soils retain a great amount of water, but less than 50% of the water is released to the root systems. In addition, PLANT GEL, being a gelatin, allows for excellent aeration.

Another advantage to using PLANT GEL is that the vitamins and minerals contained in the PLANT FOOD is time-released to the root systems, thereby continually providing these essential elements to your plants over a long period of time.

PLANT GEL is a 100% Non-Toxic, biodegradable, and odorless super absorbent polymer that absorbs up to 300 times its weight in water, and has a lifespan of approximately 5 years.

INSTRUCTIONS FOR MAKING PLANT GEL:

I. Pour 1 gallon of distilled water into a large bowl or container (Use distilled water only).

If you intend to make colored PLANT GEL, add 10 drops of food coloring to water and stir.

2. Add 25 drops of PLANT FOOD (Use only Dr. Shultz 10-15-10 Plant Food) and stir to mix. (Found at Lowes, or almost any garden center)

Note: Do not use Miracle Grow or other type of soluble plant foods as many of them contain acids and salts that will break down the gel.

3. Add 1 packet of PLANT GEL Crystals to the water and let stand for about 8 hours (Note: we let ours stand overnight) Note: One packet makes 1 gallon of PLANT GEL. If you have purchased large containers of PLANT GEL, the green scoop provided will measure out the exact amount needed for one gallon.

4. Pour wet PLANT GEL into a strainer to remove excess water and let stand for at least 2 hours.

5. Place clear PLANT GEL into a clean container that you intend to use in order to see how much PLANT GEL you will need. (We recommend clear glass. Be sure you only use glass if using with candles).

6. Pour PLANT GEL from that container into a bowl for mixing.

7. Add decorative items such as sequins, beads, seashells, silk plants, colored aquarium gravel ,etc.. if desired.

You can also use icing colors for cake icing to color the PLANT GEL

6. Refill PLANT GEL into container (Note: if using gravel to decorate, try alternating layers of gel and gravel. while replacing gel into container for a different look)

To use with Plants:

I. Carefully rinse soil from plant roots and gently trim long stringy roots to about 2". Plants will no longer need, or grow, a large root ball because they are surrounded in PLANT GEL, which provides direct access to water at all times.

2. Gently insert plant into PLANT GEL.

3. Do not place plant in direct sunlight for long periods of time, as sunlight promotes algae growth.

To use with Candles:

1. Insert candle into GLASS container with PLANT GEL, making sure not to cover the top area of the candle. For safety reasons when using PLANT GEL with candles, use GLASS containers only.

Do not place PLANT GEL in direct sunlight for long periods of time, as sunlight promotes algae growth.

(Note: PLANT GEL will keep the melted wax from running all over your glass container because the wax will harden when it comes in contact with the PLANT GEL)

DIRECTIONS FOR WATERING PLANT GEL

When the PLANT GEL settles approximately 1" to 1½" from original level, it's time to add some water.

I. Add 25 drops of PLANT FOOD per gallon (Use only Dr. Shultz 10-15-10 Plant Food) and stir to mix. (Found at Lowes, or almost any garden center).

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2. Add water until PLANT GEL reaches just below the original level. If all the water is not absorbed after 3 hours, pour out excess water. (Note: If you do not drain excess water, a faint odor may develop. If this occurs, simply

rinse PLANT GEL in a strainer with fresh tap water. Let dry 1-2 hours and replace as previously directed.)

For healthier, vibrant plants, gently mist leaves approximately every 1 to 2 weeks with fresh tap water (optional, but recommended)

Note: Do not use Miracle Grow or other type of soluble plant foods as many of them contain acids and salts that will break down the gel.

DIRECTIONS FOR USING PLANT GEL WITH SOIL

Using PLANT GEL in soil reduces soil compaction and maintains vigorous growth. As the crystals expand after each watering, they will slowly shrink and move the soil around leaving air pockets that increase aeration for the roots. Your plants need air at the roots for proper photosynthesis, which keeps your plants green and vibrant.

Also, remember to use PLANT GEL with your Christmas tree too.

To use with plants already in soil (indoor or outdoor):

1. Use a pencil to poke 5 holes into soil around the plant's base. Poke the holes deep enough to reach the roots.
2. Pour approximately 1/4 tsp. of PLANT GEL crystals into each hole.
3. Cover holes with soil.
4. Excessively water to hydrate PLANT GEL crystals (first time only).
5. Water plants, as needed, when soil feels dry (Note: You should not have to water as frequently).

To mix with potting soil prior to planting:

1. Mix dry crystals with potting soil according to table below.
2. Place potting soil mixed with crystals into desired pot or planter.
3. Insert plant into pot.
4. Excessively water to hydrate PLANT GEL crystals (first time only).

(Note: When using a larger pot or planter, only use the potting soil mixed with the PLANT GEL crystals around the base of the plant and root structure, so that you do not waste the PLANT GEL.

Use regular potting soil without the PLANT GEL crystals at the very bottom and top of your planter. This is because only the roots need the water and aeration provided by the PLANT GEL)

We recommend using the following amount of crystals per pot size: 4" pot: $\frac{1}{2}$ teaspoon, 6" pot: $\frac{3}{4}$ teaspoon, 8" pot: 1 teaspoon, 10" pot: 2 teaspoons, 1 gallon pot: 2 teaspoons, 3 gallon pot: 3 teaspoons, 5 gallon pot: 2

tablespoons

PLANT GEL has been determined to be Non-Hazardous in accordance with OSHA 29CFR1 900.1200.

WARNING: PLANT GEL is slippery when wet. Keep dehydrated crystals away from children and animals.