WHY GROW IN A TENT?

1. Versatility: Think of a grow tent as having your own portable mini-greenhouse. Our high-quality Version 2 Magic Garden grow tents are durable, lightweight and available in a range of sizes to suit the size of your growing area.
2. Grow anywhere: Because our grow tents are durable, they can be placed in closets and garages - places not normally conducive to growing plants.
3. Tents boost photosynthesis: Our grow tents come with a highly reflective hammered Mylar interior. This gives you the full benefit of your lights as Mylar reflects up to 97% of light back to your plants from all angles.
4. Energy efficiency: With their hammered Mylar coating, our Magic Garden grow tents improve the efficiency of your lighting and retain heat (when desired) for an efficient setup.
5. By using the correct equipment, you can customize growing conditions for precise temperature or humidity control.
6. Grow tents have convenient hanging racks for lights, fans, cabling and ducting openings. Just a case of setting up your tent, sorting out the equipment and you're ready to grow. Tents correctly used also ensure your cabling is not near water.
7. Grow tents allow you to grow all year around, and to have plants in different stages of growth. Some tents (generally smaller) are specifically designed for propagation purposes. A trick some of our customers use is to place an 80 x 80 tent sideways to propagate clones. We recommend the perpetual harvest method of growing: when growers use multiple grow tents to ensure that there are always plants in the flowering and vegetative stages. Growers with 1 tent usually run the vegetative stage first (up to 24-hours light a day, preferably under a Metal Halide lamp), then switch the plants to bloom (12/12 light cycle, preferably under a High-Pressure Sodium lamp) once they are ready.
8. Quicker results: Grow tents equipped with quality lamps and hammered Mylar will provide greater light concentration, so your plants will grow faster.

WHY BUY A GROW TENT FROM GREENTHUMB HYDROPONICS?

We have a variety of quality, affordable grow tents for indoor gardeners, irrespective of your growing experience. Our **Version 2 Magic Garden** tents are made from premium materials and equipped with features (openings, hanging racks, etc) that allow you to create a setup that meets all your needs. Our knowledgeable staff are always on hand to answer any questions you might have regarding purchasing or growing in a tent.

WHAT SIZE GROW TENT?

Ideally, you want between 40cm2 to 50cm2 of grow space per average-size (50 to 60cm) plant in your tent, working on the assumption that you do not train your plants.

Tents must also accommodate your equipment: ducting, lights, oscillating fans reflectors, etc. We strongly suggest that carbon filters, ballasts, reservoirs, AC units and more be installed outside the tent - first for safety reasons, and second, to provide the maximum space for plants. Remember, plants put into bloom can at least double

in height, depending on the strain, so your tent must provide sufficient distance between them and the heat of the lights.

WHERE DO I PUT MY TENT?

Your tent will need a dedicated location. Ensure easy access to water and plugs. Do not put the tent on a carpet or a cold floor. If the floor in your grow area is cold, consider putting the tent on wooden pallets to increase airflow under it and keep the roots of your plants warmer.

HOW CLOSE TO THE LIGHT CAN I PLACE MY PLANTS?

It depends on the light. The hand test will tell you if your light is too close to your plants: too hot for your hand is too hot for your plants. Simply raise your light until it stops burning your hand.
Ultimately, the distance of lighting from plants is also affected by:
l What light you use: LED, HID (HPS or MH) or CFL. Remember, HID lights need good ventilation. An air-cooled reflector will keep temperatures down.
l How strong your light is (in terms of watts).
l Your coverage area:
Lights should cover the full area of your tent and penetrate the canopy to the lower parts of your plants. Plants will suffer bleaching/burning if too close to the light. We recommend 400w light per m2. Example: Tent size: 80 x 80cm2 = 0.64m2 x 400w HPS = 256w, which is more than enough light for a tent of this size. The more wattage, the quicker the plant growth. Many 400w ballasts offer a dimming option. Dim your lights to 150w on hot days or 250w to 400w at other times. Ideally, you want between 40cm2 and 50cm2 of grow space per average-size (50 to 60cm) plant in your tent, assuming you do not train your plants.

WHAT BASIC EQUIPMENT WILL I NEED?

- A light (**LED, Metal Halide, High-Pressure Sodium, Ceramic Metal Halide, CFL, T5s)**. Consider a **birdwing reflector** or an **air-cooled reflector** for higher wattages and a **rope yoyo hanger** from which to hang the reflector. The yoyo also allows you to easily raise or lower your lamp as needed.
- Most HID lights require a **ballast** and an **E40 socket** to function.
- Timer**s** (we recommend using digital timers as they have a back-up battery. Manual timers stop when loadshedding occurs, throwing out your light cycle) - to control light schedule, fans and more.
- Oscillating fan - It is essential to have air moving over your plants 24 hours a day to prevent mildew from forming.
- Inline fans, ducting **and clamps** - to remove hot air (out the top of the tent) and have incoming cool air (at the bottom of the tent).
- Carbon filter - for odour control, if a problem during flowering.
- Thermo-hygrometer - to measure the humidity of the air and air temperature. Check out our **Mist Makers** (available in various sizes) if low humidity is an issue.
- **Dehumidifier** - to lower humidity levels.

- pH meter - to check the quality of your water.
- Spray bottles - for pest control, humidity, foliar spraying and more.
- **EC CF or TDS meters** - to measure electrical conductivity and temperature to determine the quantity of available nutrients.
- **Nutrients.**
- **Pots - plastic or cloth**.
- **Grow media**. You can also grow without using any soil/medium. Check out our **Dewey Mister** for a soil-less/deep water culture grow.
  See Water-Culture-System.pdf (gthydro.co.za)
- Depending on your climate, you might need a **heater** to keep temps at the correct level, especially in winter. Controllers STC1000
- Most importantly - your plants!

This is just a shortlist of possible requirements needed to grow a quality crop in a tent. It is not wholly inclusive of every item you might need. Please see www.gthydro.co.za where you can purchase anything you might need for a successful tent grow. Our FAQ section is full of info for hydroponic growers.