

## GENERAL DAILY SYSTEM CHECKLIST

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### Plants

- Check top and underside of foliage for likely signs of disease, insects or nutrient deficiency. Also check other vulnerable areas such as buds and the stem base.
- Cut any dead, dying or diseased foliage and promptly remove from the growing area.
- Conduct any necessary shaping or training of foliage.
- Ensure foliage is properly supported (via string, netting or stakes), and support mechanism is not damaging the stem or foliage.
- Ensure foliage is not being unduly shaded by other plants.
- Check roots/medium at various points for signs of disease i.e. brown roots, insects or over/under watering. Confirm that roots are not "root-bound".

### Nutrient system

- Ensure nutrient schedule appropriate for the current phase of growth.
- Ensure feed frequency (pump timer) and volume is appropriate for the current conditions – especially during heatwaves.
- Check pump and timer are working properly.
- Check feed outlets (drippers) are not blocked.
- Check nutrient/water/pump filters and clean if necessary.
- Check for plumbing leaks.
- Check nutrient is not pooling in trays/channels/pots.
- Check drainage outlets are not being blocked by roots.
- Empty the run-to-waste collection container.
- Check/adjust EC. For recirculating systems, add top-up water if needed.
- Apply routine additives (e.g. disinfectants) as required.
- Check/adjust pH between 5.0 and 6.5. For recirculating systems, set pH generally no higher than 6.0.
- Check nutrient temperature is between 20-25°C (68-77°F).
- Recirculating systems: Discard, flush and replace old nutrient every 7-14 days. Do every 7 days, or as required, if using hard/salty water.

- Run-to-waste systems: Flush medium at least every 7 days.

### Lighting

- Check for signs of leaf burn on foliage closest to the lamp. Check minimum gap guidelines.
- Check for signs of insufficient light e.g. sparse foliage, spindly branches. A light meter can be used to verify if lighting is the cause of these symptoms.
- Check timer is correctly programmed for the given phase of growth.
- Check temperature of electrical connections/plugs for signs of arcing or burning.
- Use a light meter periodically to check if lights are working to specification.

### Ventilation

- Check maximum and minimum data on thermometers and hygrometers. Ensure both day (~25°C/77°F) and night temperature (15-20°C / 59-68°F) and humidity (50-70%) is appropriate.
- Ensure oscillating fans are covering all foliage, especially those closest to the lamp.
- Check temperature of electrical connections/ plugs for signs of arcing or burning.
- Check air filters and clean if necessary.

### General

- Keep surfaces clean from dust, dirt and spillages. Remove any waste material from the growing area.
- Conduct any necessary foliar spraying.