

# Greenhouse

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# Plants

Plant	Water	Fertilizing	Humidity	Temp	Light	pH Level
<b>Basil</b>	Keep soil evenly moist	Herb / 4-6 weeks	50-70%	70-80°F	Sunny	6.0-7.0
<b>Blue Sage</b>	Allow soil to dry between waterings	Flower / 6-8 weeks	40-50%	65-75°F	Sunny	6.0-7.5
<b>Cilantro</b>	Keep soil evenly moist	Herb / 4-6 weeks	50-70%	65-75°F	Half Shade	6.2-6.8
<b>Dark Opal Basil</b>	Keep soil consistently moist	Herb / 4-6 weeks	50-70%	70-80°F	Sunny	6.0-7.0
<b>Dill</b>	Water when top 1 inch is dry	Herb / 6-8 weeks	40-50%	65-75°F	Sunny	5.5-6.5
<b>Dragon's Breath</b>	Water when top 1 inch is dry	Flower / 6-8 weeks	50-60%	65-80°F	Half Shade	5.5-6.5
<b>Mint</b>	Keep soil consistently moist	Herb / 6-8 weeks	50-70%	65-75°F	Half Shade	6.0-7.0
<b>Oregano</b>	Allow soil to dry slightly	Herb / 6-8 weeks	40-50%	65-75°F	Half Shade	6.0-8.0
<b>Parsley</b>	Water when top	Herb / 6-8 weeks	40-50%	65-75°F	Half Shade	6.0-7.0

Plant	Water	Fertilizing	Humidity	Temp	Light	pH Level
	1 inch is dry					
<b>Purple Cone-flower</b>	Water when top 1 inch is dry	Flower / 6-8 weeks	40-50%	65-75°F	Sunny	6.0-7.0
<b>Rosemary</b>	Allow soil to dry out between waterings	Herb / 6-8 weeks	40-50%	65-75°F	Sunny	6.0-7.5
<b>Sweet Basil</b>	Keep soil consistently moist	Herb / 4-6 weeks	50-70%	70-80°F	Sunny	6.0-7.0
<b>Thai Basil</b>	Water when top ½ inch is dry	Herb / 4-6 weeks	50-70%	70-80°F	Sunny	6.0-7.5
<b>Tomato</b>	Water deeply when top 1 inch is dry	Vegetable / 4-6 weeks	50-70%	70-80°F	Sunny	6.0-6.8

# Peppermint Spray

## Peppermint Spray Recipe

### Ingredients:

- 10-15 drops of peppermint essential oil
- 1 cup (8 oz) of water
- 1-2 drops of mild liquid dish soap (optional, to help the oil mix with water)

### Instructions:

- Add the water to a spray bottle.
- Drop in the peppermint oil.
- (Optional) Add 1-2 drops of dish soap and shake well to emulsify the oil and water.

### How to Use:

- Spray directly onto plants, focusing on the undersides of leaves and areas where pests like to hide.
- Avoid spraying during the hottest part of the day, as it could scorch the leaves.
- Reapply every 5-7 days or after watering/rain.

# Useful Sites

- Database
  - <https://hortus.rednet.dev>
- Plant Identification
  - <https://github.com/MDeLuise/plant-it>
- Plant Database
  - <https://garden.org/plants/>
  - <https://www.rhs.org.uk/plants/search-form>
  - <https://pfaf.org/user/plantsearch.aspx>

# Gardening Notes

- Anise will germinate in 10-14 days and will be ready to enjoy in 120 days.
- Basil will germinate in 5-10 days, and be ready to enjoy in 60-90 days.
- Cilantro will take about 2-3 weeks to germinate. Leaves are ready in 35-40 days. In 60-90 days, you'll see white flowers that will yield tan Coriander seeds, which you can harvest and use as a spice.
- Caraway will take 1-2 weeks to germinate. In 65-75 days in the first season, you'll see lush green leaves. In the second season, you'll see a taller plant with white flowers, which will produce seeds.
- Parsley is a biennial that acts more like an annual. Parsley will take 1-2 weeks to germinate, and ready to enjoy in 70-90 days. In its second season, it will grow flowers, which pollinators can enjoy (but the leaves will be less flavorful). You can eat parsley stems!
- Lavender will take 2-4 weeks to germinate, and 90-200 days to mature.
- 'Grolau' chives (*Allium schoenoprasum*): Strong flavor and thick, dark green leaves. Developed for forcing, 8 to 12 inches tall. Seeds germinate in 10 to 14 days at 60° to 68°F.
- Fernleaf' dill (*Anethum graveolens*): Dwarf form of dill only 18 inches tall. Ideal for dill weed indoors. Standard varieties grow too tall and bolt too soon. Easy from seeds, germinating in 7 to 14 days at 60° to 68°F.
- 'English' mint (*Mentha spicata*): Perhaps the best-behaved spearmint variety (not as invasive as others, and the leaves are broader and deeper green). Excellent for cooking and tea. Easy to propagate from cuttings.
- Greek oregano (*Origanum vulgare hirtum*): The true oregano for Mediterranean cooking, with excellent flavor and white flowers. Watch out for the impostor (called wild marjoram) with pink flowers and no flavor. Greek oregano grows well in pots, reaching 8 to 12 inches. Grows easily from seed in 7 to 21 days at 65° to 72°F.
- Broadleaf thyme (*Plectranthus amboinicus* or *Coleus amboinicus*): Also known as Spanish thyme and Cuban oregano, this plant has broad, fleshy leaves unlike those of ordinary thyme. Wonderful, spicy thyme-oregano flavor and useful in many of the same recipes as ordinary thyme. Never goes dormant. Grows from cuttings only, and reaches 10 to 12 inches tall.
- Vietnamese coriander (*Polygonum odoratum*): Not true coriander, but a good substitute. Regrows after cutting, unlike true coriander, which must be reseeded after harvest. Grows 4 to 8 inches tall. Propagate from cuttings.
- 'Blue Boy' rosemary (*Rosmarinus officinalis*): More compact and diminutive than regular rosemary, reaching only 24 inches. Flowers freely and has excellent flavor. Propagated by cuttings only. Rosemary will take 2-3 weeks to germinate, and 80-180 days to mature (depending on how hardy you'd like it to be.)
- Dwarf garden sage (*Salvia officinalis* 'Compacta'): Smaller leaves and more compact habit than regular sage, growing only 10 inches high. Same sage flavor. Propagated by cuttings only; seeds are unavailable.
- Creeping savory (*Satureja repandra* or *S. spicigera*): Flavor identical to that of winter savory, but easier and faster to grow indoors. Reaches only 2 to 4 inches in height, but fills the pot with a dense mat of foliage. Difficult to find seeds, but grows readily from cuttings.

# Seedlings

Plant	pH	Watering	Sunlight	Fertilization	Germination	Misting
<b>Alpine Strawberry</b>	5.5-6.5	Keep soil slightly moist; avoid soggy soil.	Full sun to partial shade (6+ hours daily).	Use <b>Jobe's Flowering Fertilizer Spikes</b> every 6-8 weeks. Start 2-3 weeks after germination.	14-28 days at 65-75°F (18-24°C).	Mist lightly every few days; avoid wetting leaves.
<b>Bananas</b>	5.5-7.0	High; consistently moist soil with good drainage.	Full sun (6-8 hours daily).	Use <b>Jobe's Flowering Fertilizer Spikes</b> every 6-8 weeks. Start 3-4 weeks after planting.	14-21 days at 70-80°F (21-27°C).	Mist daily to maintain high humidity levels.
<b>Catnip</b>	6.1-7.8	Moderate; let topsoil dry slightly between waterings.	Full sun to partial shade (4-6 hours daily).	Use <b>Jobe's Flowering Fertilizer Spikes</b> every 4-6 weeks. Start 2-3 weeks after germination.	10-20 days at 60-70°F (15-21°C).	Light misting occasionally to maintain humidity.

Plant	pH	Watering	Sunlight	Fertilization	Germination	Misting
<b>Fennel</b>	6.0–7.0	Moderate; let top 1–2 inches of soil dry slightly.	Full sun (6–8 hours daily).	Use <b>Jobe's Houseplant Fertilizer Spikes</b> every 4–6 weeks. Start after seedlings emerge.	7–14 days at 65–70°F (18–21°C).	Not required; prefers regular watering at soil level.
<b>Garlic Chives</b>	6.0–7.0	Moderate; evenly moist, not saturated.	Full sun to partial shade (6–8 hours daily).	Use <b>Jobe's Houseplant Fertilizer Spikes</b> every 4–6 weeks. Start after seedlings reach 3–4 inches tall.	7–14 days at 70–75°F (21–24°C).	Not required; prefers normal indoor humidity.
<b>Onions</b>	6.0–7.0	Consistently moist; not waterlogged. Deep, infrequent watering.	Full sun (6–8 hours daily).	Use <b>Jobe's Houseplant Fertilizer Spikes</b> every 4–6 weeks. Start after seedlings emerge.	7–14 days at 68–77°F (20–25°C).	Not required; keep soil evenly moist.