**Pulmonaria saccharata**  ‘Mrs. Moon’  “Bethlehem sage, lungwort”

**Family:** Boraginaceae

**12-14 Rhizominous species:**
- 4 best choices for shade garden
  - *P. angustifolia, P. longifolia, P. rubra, P. saccharata*

**Uses:** shade & rock gardens, ground covers, edging/borders
**Flower Color:** rose-pinks to blues

**Propagation:** Division, Tissue Culture (new)

**Schedule:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
<th>Week</th>
<th>Night Temps</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar 1</td>
<td>Bare-root transplants</td>
<td>1</td>
<td>55°F</td>
</tr>
<tr>
<td>Mar 15</td>
<td>Begin fertilization</td>
<td>3</td>
<td>55°F</td>
</tr>
<tr>
<td></td>
<td><em>(15-0-15) 150ppm</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mar 31</td>
<td>Drop night temp</td>
<td>5</td>
<td>50°F</td>
</tr>
<tr>
<td>April 8</td>
<td>Change fertilizer rate</td>
<td>6</td>
<td>50°F</td>
</tr>
<tr>
<td></td>
<td><em>(20-10-20) 100-200ppm</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>April 26</td>
<td>Salable</td>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

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*Listed in the Doctrine of ~Signatures ~
Recommended to treat lung ailments because the leaves resemble diseased lungs.*
Helleborus niger “Christmas rose”

**Family:** Ranunculaceae

Many species and cultivars fall into two types:

1. Rhizomes and radical leaves (acaulescent)
   - *H. orientalis, H. cyclophyllus, H. torquatus, H. niger*
2. Surface stemmed
   - *H. lividus, H. foetidus*

**Flower Color:** Originally-greenish-yellow Now-pinks, reds, whites and spotted

**Propagation:** Divisions, Seed, Tissue Culture (new)

**Schedule:**

- **July/Aug** sow seeds
- **Oct/Nov** cold stratification, cover with thin layer of vermiculite
- **Feb/Mar** germination, transplant in 72 plug cells in cotyledon stage
- **Mid Apr** place plug trays in 50% shade
- **Late Spring** transplant to 4.5” pots
- **July/Aug** salable plant

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Inula ensiflora “Swordleaf Inula”

**Family:** Asteraceae

**Common Species**

- *I. magnifica, I. helenium, I. montana, I. ensiflora*

**Flower Color:** Yellow-Orange

**Uses:** Rock gardens, border plants, herb gardens, cut flowers

**Propagation:** Divisions, Seed

**Schedule:**

- **Apr 30** sow seeds
- **May 15** germination
  - lower temps
  - transplant to plug cells
- **May 31** transplant to 4” pots
- **June 28** transplant to 6” pots
  - lower temps
- **July 14** salable plant