Daphne

- **Family Thymelaeaceae**
- **Genus Daphne**
  - *Species:*
    - *Acutiloba to Vermionica*
    - 70+ species
      - Many more hybrids
Daphne is found...

- Northern Hemisphere
- Asia
- North Africa
- Europe
Daphne Diversity

• The majority of Daphnes are fragrant

• Range from lemon scent to no scent (Genkwa)

• Small low growing (Cneorum) to tall (Bholua 12’+)

• Evergreen to Deciduous
Propagation Methods

- Cuttings
- Seed
- Grafting
- Layering
- Tissue Culture
Timing

- **May through November (depending on variety)**

- **Varies:**
  - Softwood – Hardwood

- **Seed: later in season**
Cleanliness

- Only use clean stock
- Use new flats or disinfect used flats

• Clean knives/clippers many times throughout use
• Once bacteria, viruses, or fungi start it is difficult to impossible to stop
**Daphne Odora Propagation**

June through November

- Cuttings from 1 and 2 gallon stock and some stock plants

1. Approx 3” new shoot tip
2. Strip bottom leaves leaving 3-4 leaves toward tips
3. Cut ends at angle
4. Dip for 5 seconds in 1-10 Woods Rooting Compound
5. Plant in flats approx 2” apart
6. Under Mist

**Soil Mix:**
- 40% peat moss
- 60% perlite
Results

With Differing Hormone Concentration

1-3  75% Root (burned stem bottom)
1-5  90% Root
1-8  90% Root
1-10 80% Root
1-20 40% Root
Cneorum Rock Daphne and Carol Mackie

**Method 1** - Softwood Cuttings

**Timing**
- beginning of April through the end of May

**Soil Components**
- 35% - peat moss
- 20% - sand
- 45% - perlite

**Hormone**
- 1- 20 Woods Rooting Compound

Place under mist or high humidity chamber
Method 2

- **Timing:** July through November
- **Cuttings from field or stock plants**
- **Strip bottom 75% of leaves**

- **Dip in 1-10 Woods Rooting Compound**
- **Plant in flats 1” apart**
Cneorum Rock Daphne and Carol Mackie

Method 2 (continued)

- **Summer:** no heat
- **Winter:** bottom heat
- **Mist**

**Mix:**
- 20% peat moss
- 20% sand
- 60% pumice
Results

1-3  70% Root
1-5  75% Root
1-8  85% Root
1-10 85% Root
1-20 45% Root
Seed Propagation

Tangutica/Mezureum

- Seed produced - August/September
- Seed picked and cleaned
- Planted next day with 75% germination

Mix:
- 50% peat moss
- 50% perlite
- Cover with ¼” sand

Place under high humidity chamber

Tiny Treasures Nursery
Tissue Culture

• Several labs produce daphne

• Daphne Odora ‘Aureomarginata’
Recommended Reading

*Daphnes a Practical Guide for Gardeners*

By Robin White