**Dendranthema**

- *Dendranthema* × *grandiflorum*
- Formerly *Chrysanthemum* × *morifolium*
- Compositae
- One of the most important cut flowers, potted flowering plant, and garden plants in the world

**Garden Mums**

- Typically sold in full flower in the fall, but can also be sold as small plants, usually in flower but may be green, in the spring
- Thousands of cultivars from thousands of years of breeding

**Flower Types**

- Daisy
- Anemone
- Decorative
- Spider
- Pompon/button

**Flowering**

- Garden cultivars are less photoperiodic – facultative short day plants – than potted or cut mum cultivars
- Generally flower 6-8 weeks after the start of SD (last pinch), never truly vegetative
- Increasing temp requires shorter days for rapid flowering
- 8-12 h days at 64F, 8-10 h days at 75F

**Production**

- Terminal cuttings
- Root in 1-2 weeks, most growers buy rooted or unrooted cuttings
- Grow finished plants at 60-64F night, if indoors
- Ambient temperature outdoors
- 200 to 400 ppm N

**Production**

- PGR
  - B-Nine at 2500 ppm
  - Sumagic at 2.5-10 ppm
  - Florel at 500 ppm
- Pinch one or more times.
- Florel spray can replace one or more pinches
- Typical schedule is to pinch once and apply Florel once
- Be careful of combining Florel with other PGRs
Pests

- Insects
  - Thrips, aphids, caterpillars, leaf miners
- Diseases
  - Root rot, Sclerotinia stem rot, botrytis, white rust, and many others outdoors
- Disorders
  - Crown buds