



Dudleya brittonii

By: Jack Pahl

Taxonomy

- Scientific Name: *Dudleya brittonii*
- Common Name(s): Silver dollar plant and Giant Chalk Dudleya
- Family: Crassulaceae or Stonecrop family

Geographic Distribution



- Continent: North America
- Country: Mexico
- States/Regions: Baja California, Mexico
- Latitude Range: 30 degrees North
- Ranging from sea level to several hundred feet above sea level
- General Climatic Conditions: Warm dry summers and moist winters

Native Habitat

- Found on Rocky, Clayey, Sandy Cliffs
- Steep bluffs in maritime coastal scrub



Taxonomic Description

- Overall Plant Habit/Description: 6-18" wide solitary rosette form with whitish coating
- Leaves: Lanceolated leaves, 3.5-8 cm wide, 7-25cm long and 4 to 11mm thick.
 - Have farinose powder on cuticle making them one of the most ultraviolet reflective plants
- Flower: two foot Pink-red flower stem, the actual flower is yellow
 - Flower blooms in spring

Varieties or Cultivars

- There are two known
 - *Dudleya viridis*
 - *Dudleya canadida* spp. *brittonii*
 - Both consist of a pale green foliage color, unlike the white powdery foliage

Propagation method(s)

- Both vegetative and seed propagation has been done
- Vegetative is much more popular and much easier than seed propagation

Seed Propagation

Mist house/capillary mats

- Sowed seeds in 288-cell plug tray in week 7
 - 3 parts sand 1 part LC-8 potting mix
- 280/288 seeds germinated in 2 weeks
- Placed tray in mist house in week 10
- Waited for plants to have strong enough roots before transplanting

Transplant

- Transplanted 36 *Dudleya brittonii* week 14 on April 10th
- Placed in 4" pots and placed in carrier tray
- 18 were placed in original mix
- 18 were placed in LC-8 potting mix to see if moisture and drainage would damage plant growth

Week 9



Week 14



Now



Market Niche

- Target Sales date: Early spring April-May
- Major Crop?
 - Yes, already sold in small nurseries and the most popular of the *Dudleya* spp.
 - Mostly sold for foliage
- Availability: One to two years
 - Vegetative propagation is easy

Anticipated Cultural Requirements

- Winter Hardiness: Zones 9-12
- Heat/Drought Tolerance: Excellent heat and drought tolerant plants
- Light: Quality of light better than quantity of light
 - Sun to partial shade
 - Low light situations are stressful can cause etiolating and mealy bug infestation
- Soil/Containers:
 - Place in well drained soil
 - Container size can be as small as 4" or bigger
 - Excellent Container plants!!!!
- Disease Susceptibility: Mealy bug and/or fungal rot

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