

**NEW CROP PRESENTATION:**  
**CAULANTHUS**  
**INFLATUS**

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# CAULANTHUS INFLATUS

- Crop information
- Initial crop production schedule
- Proposed crop production schedule
- Plant potential



# CAULANTHUS INFLATUS

- Common name: Desert Candle
- Family: Brassicaceae, aka Mustard Family



## NATIVE TO

- Native: Mojave Desert of CA, NV
- Elevation: 0-5000 ft
- Latitude: 48L N



## GROWTH PATTERN

- Annual, Dicot
- Plant description:
  - Thick, swollen stem that looks like a yellow-green candle
  - Flowers are small with four purple petals
  - Leaves on the lower part of plants
  - Tap root



# INITIAL PRODUCTION SCHEDULE

**Crop**  
Caulanthus  
inflatus- initial  
schedule,  
Experimental  
Crossing

**Common**

**Name**  
Desert Candle

**wk.7**  
Soak seeds in Instant Smoke and warm water for 24 hours prior to sowing. Sow in 72 plug tray using regular germ mix. 72-76



**wk.8**  
Germination occurs 7-10 days. Take germ count on day 7

**wk.9**  
Take Germ count day 14

**wk.10**  
germ count day 21. Move out of mist

**wk.11**  
No use of PGRs, lets see them grow!

**wk.12**  
Transplant to 4" (grow at 65-75F day time and 60-65F night time)



**wk.13**  
Foliage development



**wk.14**  
4 out of 18 plants are showing flowers, begin cross breeding

**wk.15**  
Nearly all flowers show buds. 'Inflated' stems grow vertically and show more flowers

**wk.16**  
Taller stems. Final flower crossings. Track success of initial crosses.



**wk.17**  
The first flowering plants now have visible seed pods formed. Wait for harvest. Track success of my crosses.



# PROPOSED CROP SCHEDULE

## For Retail Purposes

Crop	Series/Cultivar Name	wk.7	★ wk.8	wk.9	wk.10	★ wk.11	wk.12	wk.13	wk.14	★ wk.15	wk.16	★ wk.17
Caulanthus inflatus-adjusted schedule, Retail	Desert Candle		Soak seeds in Instant Smoke and warm water for 24 hours prior to sowing. Sow in 288 plug tray using regular germ mix. 72-76	Germination occurs 7-10 days. Take germ count on day 7	Take Germ count day 14	germ count day 21. Move out ofsee them mist	No use of PGRs, lets grow!	Transplant to 4" mix 2 parts sand to every 1 part potting soil (grow at 65-75F day time and 60-65F night time)	Foliage development	Some plants are showing flower initiation. Should be ready for Retail!	Earth Day in 2013 is Week 16! Nearly all flowers show buds. 'Inflated' stems grow vertically and show more flowers, Ready For Retail!	Consumers enjoy the fully inflated stems and beautiful flowers



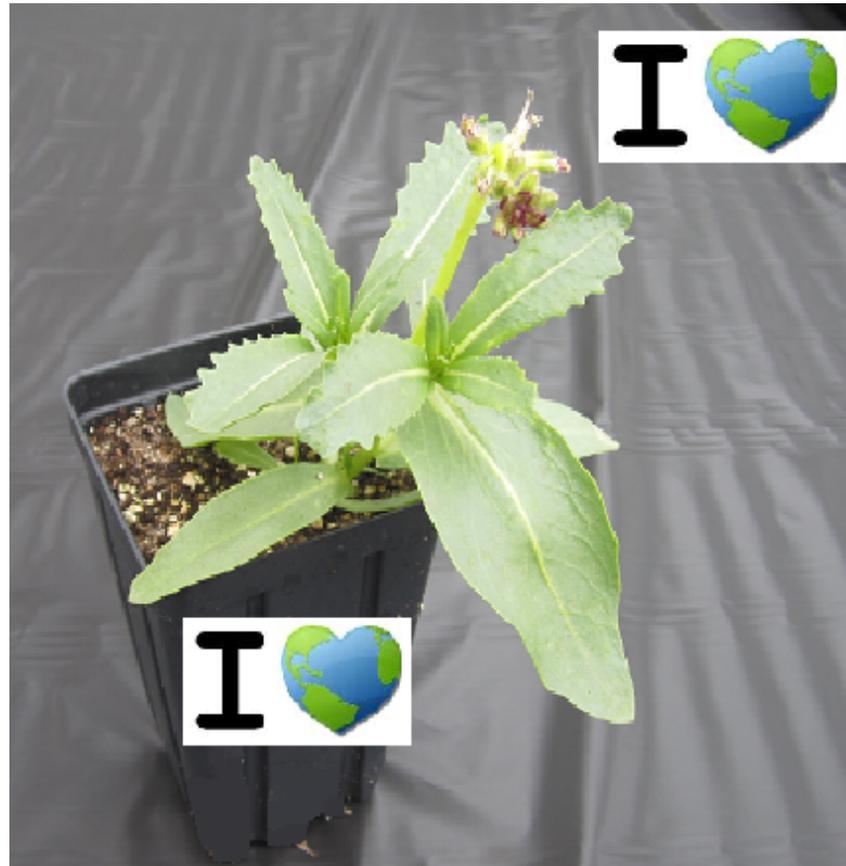
## POTENTIAL AS A POTTED PLANT



**Caulanthus inflatus could be THE potted plant to get and gift on Earth Day!**

**If you can't plant a tree, get a plant that conserves water and reminds us to use less water in all parts of our lives.**

# ILLUMINATE A BETTER FUTURE



Desert Candle can help us to brighten the future by reminding us to use less water. Get or give a Candle on Earth Day.





Thank You!

