



Celosia plumosa
GrowerFacts Extra
Additional Culture Research
from

PanAmerican Seed[®]

Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

INTRODUCTION

To determine if pinching will result in fuller, more attractive plants. Ice Cream Cherry and First Flame Red were used for this trial.

MATERIALS AND METHODS

- Tray Size : 288 cell tray, 1 seed per cell
- Pinching stages :
 - Plugstage: 1 week before potting (approx. 3 weeks after sowing)
 - Approximately 3 weeks after potting
 - At start of first flowering (approx. 6 to 7 weeks after potting)
- Container Sizes :
 - 6", 1 ppp and 8", 3 ppp

Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

Plug Stage pinch (approx. 3 weeks after sowing)



Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

After potting (approx. 3 weeks after sowing).



6" pots
No Pinch vs Pinched



8" pots
3 plants per pot
No Pinch



8" pots
3 plants per pot
Pinched

Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

After potting (approx. 3 weeks after sowing).



Pinched after potting
(after 3 pairs of leaves)



Not Pinched

Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

At start of first flowering (6 1/2 weeks after potting)



Ice Cream Cherry
No Pinch vs Pinched



First Flame Red
No Pinch vs Pinched

Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

Ice Cream Cherry results 12 weeks after potting.



Control:
pot tight

Control:
spaced

Pinched
Plug

Pinched
after potting

Pinched after
1st flower

Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

First Flame Red results 12 weeks after potting.



Control:
pot tight

Control:
spaced

Pinched
Plug

Pinched
after potting

Pinched after
1st flower

Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

SUMMARY

- Celosia pinching can be done anytime from plug to first flower; uniformity differs somewhat depending on variety and pinching stage.
- The later the stage of pinching, the more flower spikes (smaller than original) will be formed.
- In general , each pair of leaves you pinch, will double the number of flower spikes.
- This method is most suitable for 5" or 6" pots with 1 ppp (plug / plant per pot).
- Spacing, without pinching, does also give a somewhat bigger plant and better pot filling but plant habit is slightly more open / wider.

Celosia Plumosa

Pinching Trial Results, published 2017

PanAmericanSeed.

ANNUALS

ADVICE FOR NEW PRODUCT FORM

- Pinching can lead to another product form that looks quite different than the commonly known plants with one big main flower and some small secondary flower spikes
- Pinch after 4th or 5th pair of leaves (approx. 5 weeks after potting or 9 weeks after sowing) to get 8 to 10 new flower spikes, for 1 plant in a 5" or 6" pot.
- Pinching enlarges crop time but product is saleable earlier due to more attractive flower spikes!

