

# GrowerFacts Extra

## Ornamental Corn Pink Zebra

Additional Culture Research

from

PanAmerican Seed<sup>®</sup>

# Ornamental Corn Pink Zebra

Culture Research, published 2018

## OBJECTIVES

To develop culture information for Ornamental Corn Pink Zebra and find out how plant responds to plug tray size, temperature, PGR, and light levels.

## MATERIALS AND METHODS

- Plug tray size: 128, 72 and 50 cell
- Container size: 4.5" pot, gallon and mum pot
- 1ppp, 2ppp and 3ppp



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## TEMPERATURE RESULTS

Germination  
conditions: 75F

One day later when  
germ under cooler  
temp of 65F



65F

Germination in 3 days  
Germination Rate: 90%

75F

Germination in 2 days  
Germination Rate 91%

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### LINER SIZE RESULTS

The minimum suitable plug size is 128 cell tray.

It takes about 2 weeks in 128 cell and 3 weeks in 72 or 50 liners from sowing to transplant.



128 cell  
2 weeks

72 cell  
3 weeks

50 cell  
3 weeks

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## COVER NO COVER RESULTS

Heavily cover with  
soilless medium to  
suppress strong roots.



Roots jumping cells



Roots growing out of plug  
tray 1 week after sowing



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### FOLIAGE VARIATION RESULTS

Foliage variegation appeared at about 5-6 true leaf stage.

Transplant on time. Do not allow plants to become root bound as it will delay foliage variegation.



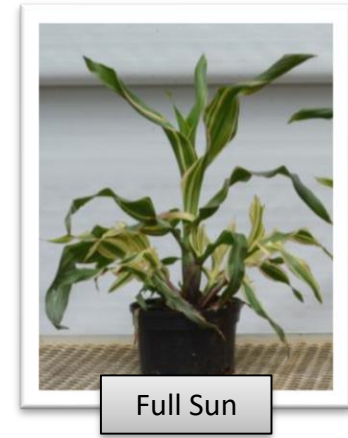
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Greenhouse Production



Outdoor Production



## LIGHT LEVEL RESULTS

Plants are stronger with a thicker stem as well as earlier with more branching when grown under higher light levels.

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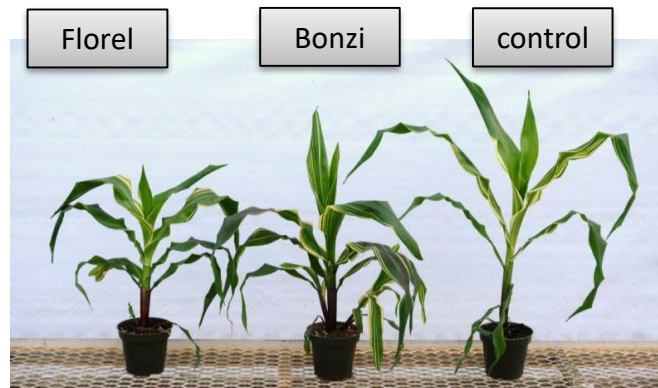
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### LIGHT LEVEL RESULTS

Florel 500ppm spray reduced plant size and also made foliage narrower.

Bonzi 5ppm drench made plant robust with earlier branching.

Both can be used for Pink Zebra plant size control.



4.5" Pot



Gallon



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Florel Spray



4.5" Pot

Gallon

Bonzi Drench



4.5" Pot

Gallon

## CONTAINER SIZE RESULTS

Suitable for 4.5" pots and gallon pot with one plant per pot.

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### ROOT BOUND RESULTS

In a 128 cell, seedlings can become quite root bound 4 weeks from sowing.



2 week  
seedlings



4 week  
seedlings



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## ROOT BOUND RESULTS

Root bound seedlings can delay foliage variegation timing.



Regular Seedlings

Rootbound Seedlings

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## CROP TIME RESULTS

### Plug crop time

- 2 weeks from 128 cell
- 3 weeks from 72 or 50 liner

### Transplant to finish (green)

- 4-5 weeks from 128 cell
- 3-4 weeks from 72 or 50 liner

Total crop time about 6-7 weeks

