

# GrowerFacts Extra Aster Pot 'N Patio

Additional Culture Research  
from

PanAmerican Seed<sup>®</sup>

# Aster Pot 'N Patio

Photoperiod Response, published 2020

PanAmericanSeed.

## OBJECTIVE

To quantify the photoperiod response of Aster Pot 'N Patio.

## MATERIALS AND METHODS

- Varieties: Aster Pot 'N Patio Blue, Pink, Scarlet, White
- Sowing: Week 39 (9/23/14)
- Plug tray: 288-cell
- Plug photoperiod: LD\* (NI\*\* from 10:00 pm to 2:00 am)
- Transplant: Week 43 (10/22/14)
- Container size: T18 (similar to 1801)
- Photoperiod treatments after transplant: 10, 11, 12, 13, or 14 hours, or NI

\*LD: Long days

\*\*NI: Night interruption



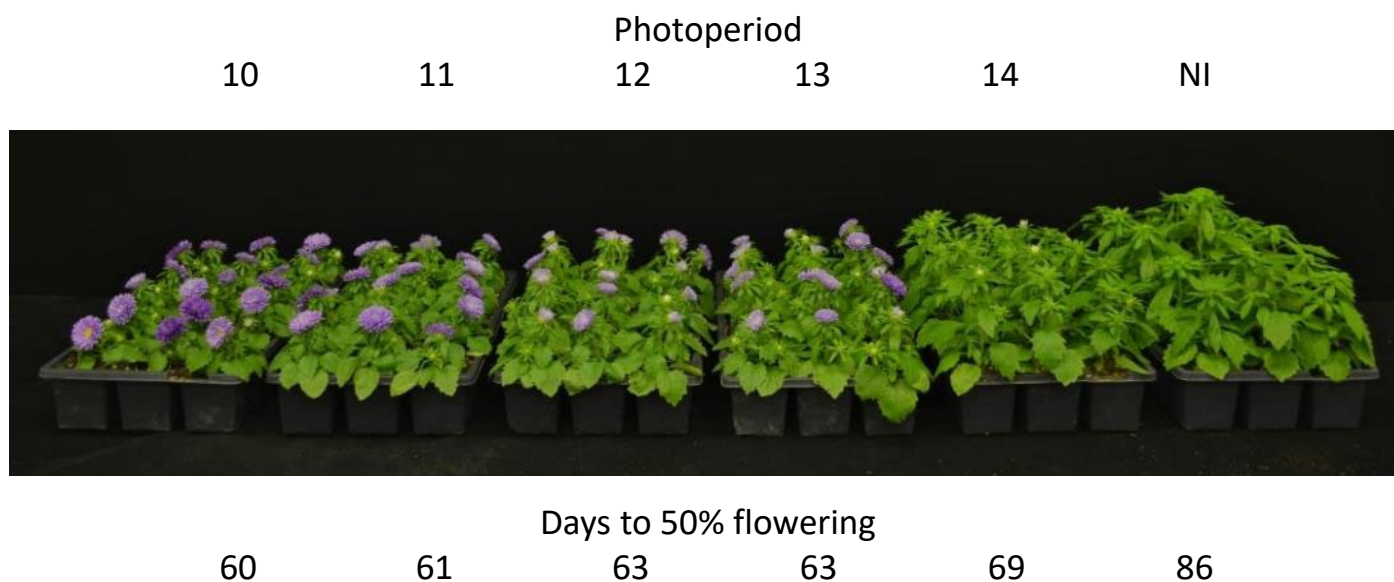
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## POT PLANTS

Blue Aster Pot 'N Patio Photoperiod Response



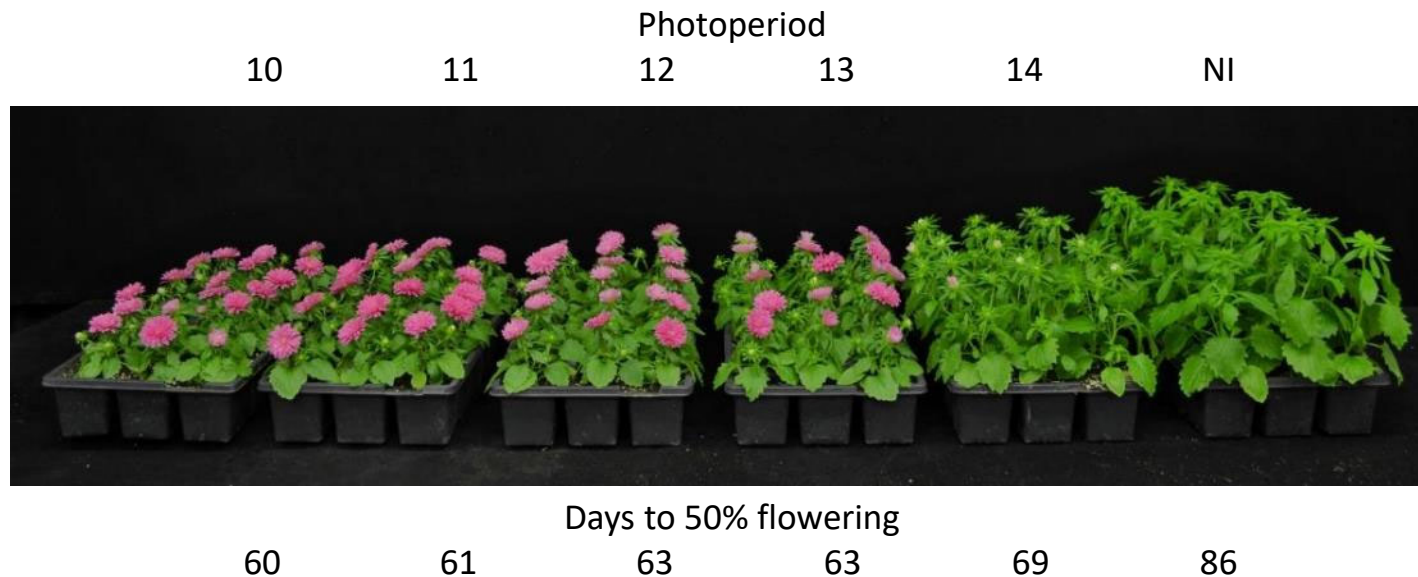
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## POT PLANTS

Pink Aster Pot 'N Patio Photoperiod Response



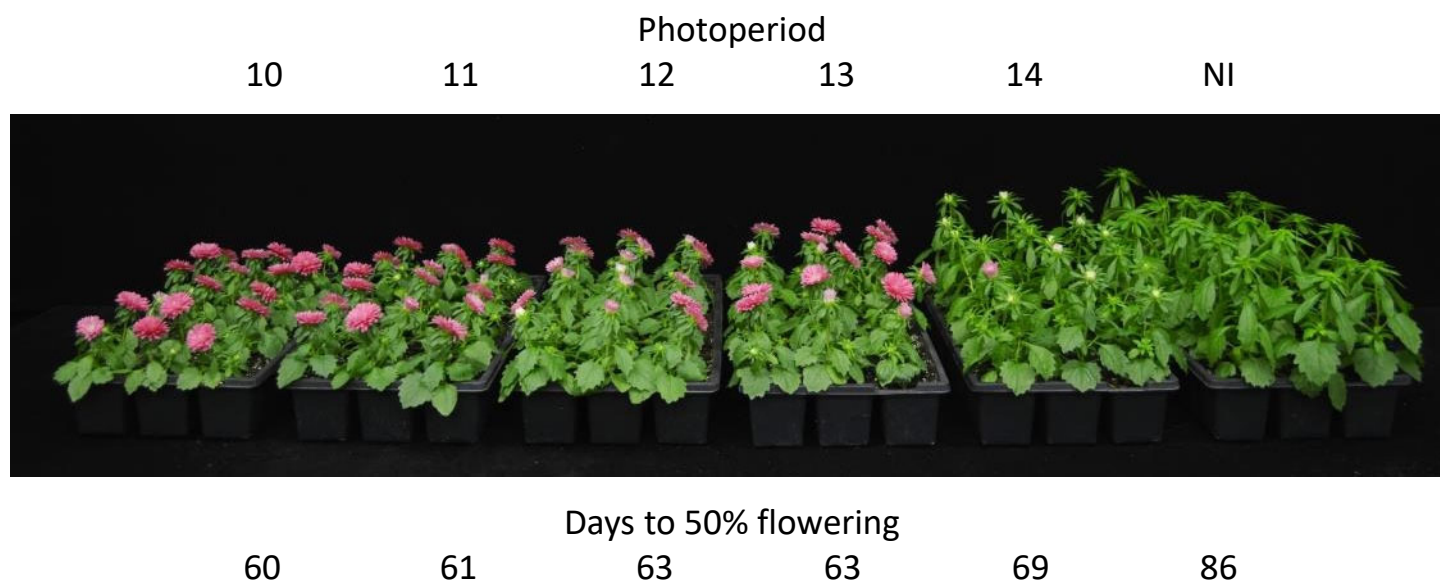
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## POT PLANTS

Scarlet Aster Pot 'N Patio Photoperiod Response



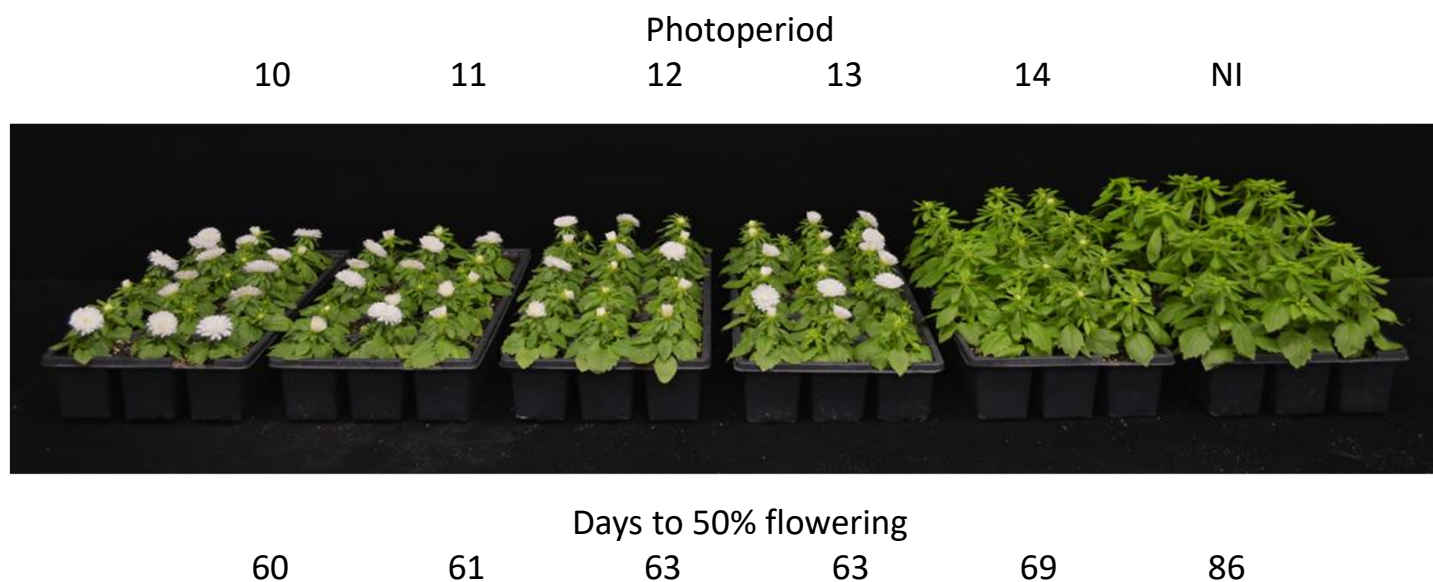
# Aster Pot 'N Patio

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## POT PLANTS

White Aster Pot 'N Patio Photoperiod Response



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## POT PLANTS

### CONCLUSION

- Aster Pot 'N Patio are quantitative/facultative short-day plants.
- Critical photoperiod is 13 hours.
  - Crop time was similar (<3 days) when grown under  $\leq 13$  hours.
  - The crop was delayed by 5-7 days at 14 hours.
  - The crop was delayed by ~3 weeks under NI.