Premium Sun Coleus GrowerFacts Extra
Additional Culture Research from PanAmerican Seed®
**INTRODUCTION**
- How does PGR and light condition affect Coleus foliage color
- Varieties: Chocolate Covered Cherry, Crimson Gold, Lime Delight, Mighty Mosaic, Pineapple Surprise, Watermelon

**CONCLUSION**
- PGR has little to no effect on foliage color
- Foliage color was more intense with more light
Premium Sun Coleus
Light Conditions and PGR Affecting Color

ANNUALS CULTURE

CHOCOLATE COVERED CHERRY

LIGHT CONDITIONS
• 65% Shade resulted in lighter leaves
• Without shade resulted in deeper color in leaves

PGR
• Had little to no effect

65% Shade

DLI about 10 mol m\(^{-2}\) d\(^{-1}\)
Premium Sun Coleus
Light Conditions and PGR Affecting Color

ANNUALS CULTURE

CRIMSON GOLD

LIGHT CONDITIONS

- 65% Shade resulted in larger green borders on leaves
- Without shade resulted in more vivid crimson color

PGR

- Had little to no effect
LIME DELIGHT

LIGHT CONDITIONS

- 65% Shade resulted in deeper green color
- Without shade was brighter

PGR
- Had little to no effect
MIGHTY MOSAIC

LIGHT CONDITIONS

• 65% Shade resulted in lighter, greener leaves
• Without shade resulted in more crimson color

PGR

• Had little to no effect
Premium Sun Coleus
Light Conditions and PGR Affecting Color

ANNUALS CULTURE

PINEAPPLE SURPRISE

LIGHT CONDITIONS

• 65% Shade resulted in deeper green color
• Without shade resulted in more intense pinks and yellows

PGR

• When grown under low light conditions, Pineapple Surprise was sensitive to Bonzi (paclobutrazol) 5ppm spray, which could significantly reduce red color
• B9 (Daminozide) slightly reduced red color

65% Shade

DLI about 10 mol·m⁻²·d⁻¹
Premium Sun Coleus

Light Conditions and PGR Affecting Color

ANNUALS CULTURE

WATERMELON

LIGHT CONDITIONS

• 65% Shade resulted in deeper green leaves
• Without shade resulted in pinker leaves

PGR

• Foliage color was bleached by B9 (daminozide) spray under both low and high light conditions

65% Shade

DLI about 10 mol m\(^{-2}\) d\(^{-1}\)