ANNUAL

PROPAGATION

RUELLIA KATIE

Ruellia simplex

TRAY & ROOTING	
Form	**Vegetative Cutting (URC)**
Rooting Hormone?	**No**
Tray Size	**50, 72, 84, 105**
Plants Per Cell	**1**
Days In Mist	**7-10**
Wks. From Stick To Transplant	**3-4**
Propagation Pinch?	**Yes**
Weeks To Pinch	**3**
FERTILITY	
Fertilize Through Mist?	**50-75ppm N**
Fertilizer Rate	**100-150ppm N**
EC Range	**Moderate: (2.0-3.5 mS via SME)**
pH Range	**5.5-6.0**
TEMPERATURE	
Average Soil Temp	**70-75°F (21-24°C)**
Average Air Temp (Day)	**70-75°F (21-24°C)**
Average Air Temp(Night)	**68-72°F (20-22°C)**
IRRIGATION	
Irrigation Frequency	**Level 3: Keep media moderately moist with mild dry cycles**
LIGHT	
Daylength Neutral?	**Yes**
Supplemental	**None**
Benefits From Shade?	**No**

POTENTIAL DISEASES

Botrytis, Pythium, Rhizoctonia

POTENTIAL PESTS

Aphids, Thrips, Whitefly

PGR SUGGESTIONS

- Tank mix 250ppm Florel (3.9% Ethephon) + 500ppm B-Nine (85% Daminozide)

CULTIVAR LIST

Pink, Purple

'Purple'

TIPS

- After sticking, water the cuttings uniformly to help "seat" them in the soil media. Good soil to stem contact is important for rooting. Over-misting or delayed mist reduction leads to slower rooting and causes iron deficiency.

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FINISHING

RUELLIA KATIE

Ruellia simplex

CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
4 in. (10 cm) and up	**1**	**3-5**
Quart (12 cm)	**1**	**5-6**
10 in. (22 cm) and up	**3**	**8-12**
FERTILITY		
Fertilizer Rate	**200-250 ppm N**	
EC Range	**High: (3.5-5 mS via SME)**	
pH Range	**5.6-6.2**	
TEMPERATURE		
Day Temperature	**65-73°F (18-23°C)**	
Night Temperature	**68-75°F (20-24°C)**	
IRRIGATION		
Irrigation Frequency	**Level 3: Keep media moderately moist with mild dry cycles**	
LIGHT		
Daylength Neutral?	**Yes**	
Optimum Light Level	**5,000-8,000 fc (53,800-86,100 lux)**	
Supplemental	**None**	
Benefits From Shade?	**No**	
PINCHING		
Finishing Pinch?	**No**	
Transplant to Pinch (days)	**N/A**	
POTENTIAL DISEASES		
Botrytis, Pythium, Rhizoctonia		
POTENTIAL PESTS		
Aphids, Thrips, Whitefly		
PGR SUGGESTIONS		

- 500ppm B-Nine (85% Daminozide) + 750ppm Cycocel (11.8% Chlormequat) as a tank mix

'Pink'

TIPS

- Allow media to dry between waterings but do not allow plants to wilt. Avoid saturated media. Ruellia are susceptible to root diseases if overwatered.

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FEATURES AND BENEFITS

RUELLIA KATIE

Ruellia simplex

KEY INFORMATION

Primary Common Name	**Mexican Petunia**
Consumer Watering Instructions	**Water thoroughly when top 1 inch (3cm) of soil is dry.**
Bloom Time	**Blooms Spring to Autumn**
Exposure	**Full Sun to Part Shade**
Height	**24-36 inches (61-91 cm)**
Garden Spacing	**24-36 inches (61-91 cm)**

DESCRIPTION

A grass-like tender perennial that showcases pastel purple or pink flowers towards the base of the plant.

CONSUMER APPEAL

- Market as a novel flowering grass that's ideal as a groundcover or accent piece.
- Attractive to butterflies and other pollinators.

GARDEN ATTRIBUTES

- Ideally used as a mass-planted landscape annual but can function in mixed-containers. Works well in rain gardens due to its tolerance of wet soils.
- Tolerant of a wide range of landscape conditions including wet and dry soils, heavy clay, and sandy soils.
- Can be overwintered in zone 8-10.

NATIVITY

Central and South America

'Pink'

'Purple'

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