PROPAGATION

Monarda Pocahontas Series

Monarda diduma

TRAY & ROOTING

Unrooted Cuttings Form (URC)

Rooting Hormone Yes

Trav Size(s) 72, 105

Plants Per Cell 1

Wks. From Stick To

Transplant

6-8

Pinch? Yes

Days from stick to pinch 14-21

FERTILITY

Fertilize Through Mist? No

100-150 ppm N (20-6-22

or 22-5-16 [15-0-15 Fertilizer Rate

under low-light conditions])

High: (3.5-5 mS via EC Range

SME)

pH Range 5.8 - 6.3

TEMPERATURE

Average Soil Temperature 65-72°F (18-22°C)

Average Air Temperature 65-72°F (18-22°C)

IRRIGATION

Level 4: Keep media moderately moist at all Irrigation Frequency

times

LIGHT

Supplemental No

Benefits From Shade? No

POTENTIAL DISEASES

Botrytis, powdery mildew, bacterial leaf spot

POTENTIAL PESTS

aphids, whitefly, spider mites

PGR SUGGESTIONS

None



CULTIVAR LIST

Pink, Deep Purple, Red Rose



'Deep Purple'

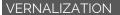
TIPS

- Misting should be reduced as soon as cuttings become turgid; generally within 24-48 hours of sticking.
- A propagation pinch and a Florel (3.9% Ethephon) application will help with proper branching.
- A preventative fungicide should be applied to the roots to reduce disease pressure.

FINISHING

Monarda Pocahontas Series

Monarda didyma



Vernalization Required? Cold Beneficial

Vernalization Duration

Minimum

6-8 weeks

Vernalization Temperature 35-40°F (1.6-4.4°C)

CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
1 Gallon (16 cm)	1	9-12
2 Gallon (22 cm)	2	11-13
CCDTILITY		

FERTILITY

200-250 ppm N (20-6-22 or 22-5-16

Fertilizer Rate [15-0-15 under low-light

conditions])

EC Range High: (3.5-5 mS via SME)

pH Range **5.8-6.2**

TEMPERATURE

Day Temperature **65-75°F (18-24°C)**Night Temperature **55-65°F (13-18°C)**

IRRIGATION

Irrigation Frequency

Level 3: Keep media moderately moist with mild dry cycles



Photoperiodic requirements Long day: 12+ hours daily

Supplemental? None

Benefits From Shade? **No**

PINCHING

Finishing Pinch? **No**

Transplant to pinch (days) N/A

POTENTIAL DISEASES

Botrytis, powdery mildew, bacterial leaf spot

POTENTIAL PESTS

aphids, whitefly, spider mites

PGR SUGGESTIONS

- Sumagic (0.055% Uniconazole) at 3-6 ppm'
- 1200-1700 ppm B-Nine (85% Daminozide)





'Red Rose'

TIPS

- Drip irrigation and proper spacing helps to prevent stretching and promote a compact growth habit. Monarda finished in an outdoor production setting are generally of better quality.
- Saturated media should be avoided. Media should not be allowed to dry completely; plants should not be allowed to wilt.

FEATURES AND BENEFITS

Monarda Pocahontas Series

 $Monarda\ didyma$

KEY INFORMATION

First Year Flowering? No

Bloom Time

Summer

Exposure

Full Sun

Hardiness Zone

3-9

Height

12-16 inches (30-41 cm)

Width

24-28 inches (61-71 cm)

DESCRIPTION

With excellent improvements through breeding, Pocahontas features a very compact, well-match habit with notable powdery mildew resistance.

CONSUMER APPEAL

- With increasing concerns about the decline of pollinator populations, bee balm is the perfect choice for consumers interested in bolstering bee and butterfly populations.
- The minty Earl Grey scented foliage makes this plant deer and rabbit resistant.

GARDEN ATTRIBUTES

- Monarda can be used as a cut flower, but we suggest leaving the blooms on the plant so pollinators can enjoy them!
- As a butterfly and hummingbird magnet, this plant should ideally be placed along borders or in front of windows for the enjoyment of any onlookers. Other good locations include cottage gardens, meadow gardens, rain gardens, pollinator gardens, and even he
- Monarda prefers consistently moist soil conditions but can be moderately drought tolerant once established, especially if planted in clay soils and given part shade during the heat of the day. Monarda is one of the best plants for heavy clay soils or close to black walnut trees.

COMPANION PLANTS

Campanula, Ajuga, Muehlenbeckia, Knautia, Mazus, Lithodora, Iberis, Aster

COMMON NAME(S)

beebalm, fireworks flower, monarda, Oswego tea, bergamot



'Pink'

NATIVITY

Native to Eastern North American including the United States and Canada.

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