Replacements for

Impatiens walleriana

Katie McCarver, MSU Trial Garden Manager
Downey Mildew *Plasmopara obducens*

- Only affects *Impatiens walleriana* and balsamina
- Symptoms: yellowing leaves or leaf drop, white mildew (spores) on underside of leaf
- Ideal conditions: cool and moist with temperatures ranging from 60 to 70 degrees F.
Photo taken at MSU late September
Plan for 2013?
find a replacement
Characteristics to replace:

• Shade
• Bloom habit
• Uniform shape
• Diverse
• Versatile

Photo taken at Chicago Botanic Garden, Katie McCarver
Alternanthera
‘Brazilian Red Hots’

- Athena Brazil
- Foliage plant
- Height: 24”
- Space: 12”
- Low maintenance

Alternanthera ‘Red Threads’

- Athena Brazil
- Foliage plant
- Height: 8”
- Space: 6 to 8”
- Low maintenance

Alternanthera
‘Mai Tai’

- Athena Brazil
- Foliage plant
- Height: 12-18”
- Space: 12”
- Prefers average to slightly moist soil

Alternanthera 'Grenadine'

- Athena Brazil
- Height: 18”
- Space: 18”
- Prefers average to moist soil conditions

‘Little Ruby’

- Athena Brazil
- Height: 12”
- Space: 12”
- Prefers well drained, moist soils

Ageratum houstonianum
‘High Tide Blue’

- PanAmerican Seed
- Height: 14-16”
- Space: 12-18”
- Medium maintenance
- Fertilize every two weeks
- Needs either morning or afternoon sun
Ageratum
‘Artist Blue’

• Proven Winner
• Height: 8-12”
• Space: 12”
• Low maintenance

Photo Credit: Penn State Trial Garden
Rex Begonia
‘Escargot’

- Height: 6-12”
- Space: 6-12”
- Low Maintenance
- Does not like wet feet!
Rex Begonia
‘Moonlight’

- Green Fuse Botanicals
- Height: 24”
- Space: 20”
- Low maintenance
Begonia
‘Whopper Rose Green Leaf’

- Ball Seed
- Height: 24-30”
- Space: 20”
- Low maintenance
- Tolerates full sun and shade
Begonia
Big ‘Red with Green Leaf’

- Benary
- Height: 12-18”
- Space: 12-15”
- Low maintenance
- Will exceed 18” with more moisture, must have good drainage

Photo Credit: Benary
Begonia
Dragon Wing ‘Pink’

- PanAmerican Seed
- Height: 12-15”
- Space: 10-12”
- Loves heat and shade

Photo Credit: Cincinnati Zoo and Botanical Gardens
Begonia

Ambassador and Senator Series
Begonia
‘Senator Mix’

- Sakata Seed
- Height: 8”
- Space: 8”
- Low maintenance

Photo Credit: Raker Trial Garden
Coleus
‘Chocolate Covered Cherry’

- PanAmerican Seed
- Height: 12-14”
- Space: 8”
- Likes at least 6 hours of sunlight, so provide morning or afternoon sun

Photo Credit: Raker Trial Garden
Coleus
‘Versa Crimson Gold’

- PanAmerican Seed
- Height: 20-32”
- Space: 12-18”
- Low Maintenance
‘Wasabi’

- Ball FloraPlant
- Height: 18 – 30”
- Space: 16-28”
- Will keep it’s green foliage if in the shade
Coleus ‘Red Head’

- Ball Horticulture
- Height: 18-24”
- Space: 16-20”
- Low maintenance
Browallia speciosa
Endless ‘Illumination’

- Proven Selections
- Height: 10-14”
- Space: 10”
- Part shade to shade
- Low maintenance
Caladium bicolor

- Ball Horticulture
- Height: 12-18”
- Space: 6-10”
- Performs best in shade
- Foliage will burn in direct sunlight
Caladium ‘Rosemary’

- Classic Caladiums
- Height: 12-16”
- Space: 6-10”
- Can tolerate high heat and some direct sunlight

Photo Credit: Penn State Trial Garden
Evovulus

‘Blue Daze’

- Various suppliers
- Height: 12-20”
- Space: 12”
- Best suited for containers
- Likes average soil moisture
‘Blue My Mind’

• Proven Winners
• Height: 6-12”
• Space: 12- 24”
• Low maintenance
• Can tolerate some shade
**Fuchsia x hybrida**

Angel Earrings ‘Cascading’

- Suntory
- Height: 15-20”
- Space: 20-25”
- Well drained, moist soil
‘Dark Eyes’

- Various suppliers
- Height: 4-8”
- Space: 24”
- Low maintenance
- Love humidity and shade

Photo Credit: Dave’s Garden
Heliotropium phyllostachya
‘Nagano’

- Dummen
- Height: 10-12”
- Space: 10-12”
- Low Maintenance
Heliotropium ‘Marine’

- Ball Horticulture
- Height: 10-14”
- Space: 10-12”

Photo Credit: Ball Horticulture
Heliotropium
‘Scentropia Dark Blue’

- Syngenta
- Height: 12-14”
- Space: 14-16”
- Low maintenance
Hypoestes phyllostachya
Splash Select ‘White’

- PanAmerican Seed
- Height: 10-18”
- Space: 12-16”
- Low maintenance
New Guinea Impatiens
SunPatiens ‘Spreading Corona’

- Sakata
- Height: 30-40”
- Space: 36”
- Likes lots of water
SunPatiens
‘Variegated Spreading White’

- Sakata
- Height: 30-40”
- Space: 36”
- Likes lots of water
Sun Patiens ‘Compact Lilac’
New Guinea
Sun Harmony Series

- Danziger
- Height: 10-12”
- Space: 10-12”
- Purple is the favorite color
- Likes lots of water in high heat
Lobelia
‘Techno Heat Blue’

• Syngenta
• Height:
• Space:
• Flowers despite high heat

Photo Credit: Penn State Trial Garden
‘Hot Bavaria’

- Westhoff
- Height: 10”
- Space: 6”
- heat tolerant, flowers all summer
Oxalis
Allure ‘Burgundy’

- Plug Connection
- Height: 8”
- Space: 6”
- Low maintenance
Pillow ‘Pink’

- Various suppliers
- Height: 10-12”
- Space:
- Performs best with afternoon shade

Photo Credit: Spring Trials website
Plectranthus
‘Mona Lavender’

• Bred at Kirstenbosch Botanical Gardens
• Height: 1-2’
• Space: 1-2’
• Cut back to keep shape
Salvia splendens
‘Sangria’

- Takii Seed
- Height: 8-12”
- Space: 6-8”
- Early flowering
Salvia farinacea
Evolution ‘White’ and ‘Blue’

- Benary
- Height: 16-20”
- Space: 14-16”
- Easy to grow and maintain
Scutellaria javanica ‘Veranda’

- PanAmerican
- Height: 10”
- Space: 10-14”
- Excellent performer in high temperatures and shade
Summer Wave ‘Large Blue’

- Suntory
- Height: 10-15”
- Space: 25-30”
- Loves partial shade
Torenia Kauai ‘Deep Blue’

- PanAmerican
- Height: 8”
- Space: 8”
- Performs well in heat and shade
Websites

• MSU Extention
  http://msue.anr.msu.edu/

• MSU Trial Gardens
  http://trialgardens.hrt.msu.edu/