New Plants for the Garden and Container
2016 Trial Garden Results
Lecture Event! – February 28, 2017
Hosted by the Grounds Management and Landscape Contractor Sectors of Landscape Ontario
Rodger Tschanz
Department of Plant Agriculture
University of Guelph

RED FOX
SAKATA
DÜMMEN ORANGE
Some of the participating breeders and suppliers
Benary
TAKII
florist
Vanhof & Blokker
PW PROVEN WINNERS
Jelitto
cimense SEED PRODUCTION SOLUTIONS
PanAmerican Seed
Ball HORTICULTURAL COMPANY
BLOOMS of Bressingham
floranova
vegetalis
GoldsmithSeeds
syngenta flowers
GoldFisch Vegetative

Petunia 'Evening Scentsation'
AAS Regional Winner 2017
Guelph – September 6, 2016

Petunia 'Evening Scentsation'
AAS Regional Winner 2017

Celosia 'Asian Garden'
2017 AAS National Flower Award Winner
Trial Bed: Guelph
Date: September 26, 2016

Celosia 'Asian Garden'
2017 AAS Flower Award Winner
Container Trial Location: Vineland
Date: August 16, 2016

Zinnia 'Profusion Red'
2017 AAS National Flower Winner
Guelph–August 19, 2016

*Zinnia* 'Profusion Red'
2017 AAS National Flower Award Winner

*Pelargonium* 'Calliope Medium Dark Red'
Vineland Container Trial
September 8, 2016

*Pelargonium* 'Calliope Medium Dark Red'
2017 AAS National Flower Award Winner

*Verbena* 'EnduraScape Pink Bicolor'
2017 AAS National Flower Award Winner

Container Trial: Vineland
September 8, 2016

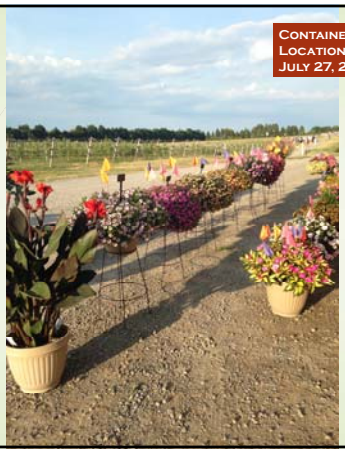
*Verbena* 'EnduraScape Pink Bicolor'
2017 AAS National Flower Award Winner

*Antirrhinum* 'Antiquity Red & White'
Trial Bed: Guelph
Date: August 4, 2016

*Catharanthus* 'Titan Really Red'
Trial Bed: Guelph
Date: September 6, 2016

*Impatiens* (hybrid) 'Sunpatiens Compact Tropical Rose'
Container Trial Location: Vineland
August 16, 2016

Container Trial
Location: Vineland
July 27, 2016 (7pm)



*Solenostemon* 'French Quarter'
Trial Bed: Guelph
September 6, 2016

*Solenostemon* 'Mainstreet Michigan Ave.'
Trial Bed: Guelph
September 6, 2016

*Cyperus* 'Graceful Grasses King Tut'
Trial Bed: Milton - Landscape Ontario
September 6, 2016

*Cyperus* 'Graceful Grasses Prince Tut'
Container Trial Location: Guelph
August 20, 2016

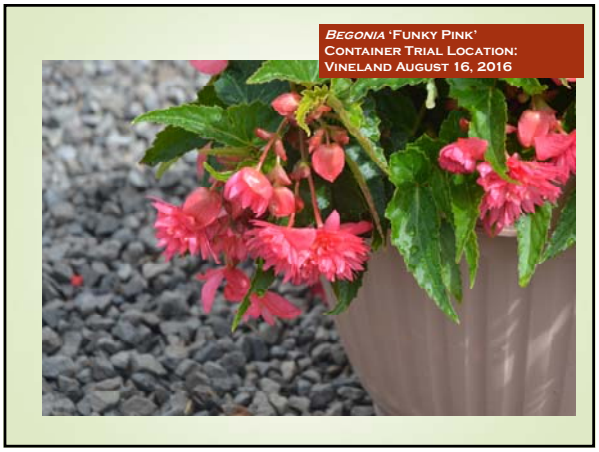
Canada Blooms 2016 Flower of the Year
*Gerbera*
'Garvinea Sweet' series

*Gerbera* 'Garvinea Sweet Memories'
Container Trial Location: Vineland
September 7, 2016

*Calibrachoa* 'Chameleon Blueberry Scone'
Container Trial Location: Vineland
Date: August 20, 2016

*Tagetes* 'Strawberry Blonde'
Trial Bed: Milton - Landscape Ontario
September 7, 2016

*Begonia* 'Funky Pink'
Trial Bed: Milton - Landscape Ontario
September 7, 2016


*Begonia* 'Funky Pink'
Container Trial Location:
Vineland August 16, 2016

*Begonia* 'Megawatt' series
Guelph–September 6, 2016

*Petunia* 'Picasso in Purple'
Container Trial Location - Guelph
August 20, 2016
*Petunia* 'Picasso in Purple'
Trial Bed: Landscape Ontario –
Milton
September 7, 2016

*Petunia* 'Pretty Much Picasso'
Container Trial Location - Guelph
Sept. 6, 2016
*Petunia* 'Picasso in Purple'
Container Trial Location - Guelph
Sept.6, 2016

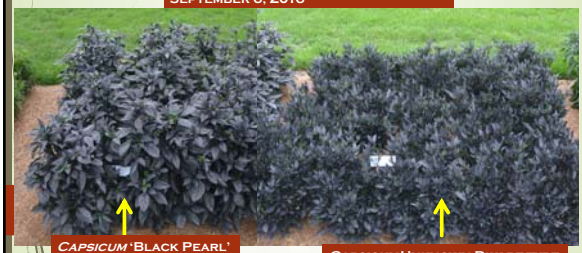
*Cannas* in centre of trial beds in Milton
August 18, 2016 – Industry Open House day

*Canna* 'CannaSol Wilma'
Container Trial Location:
Vineland August 16, 2016

*Canna* 'Cannova Mango' and
'Orange Shades'
Container Trial Location:
Vineland August 16, 2016

*Capsicum* 'Sedona Sun'
Container Trial Location: Vineland
September 8, 2016

**Future AAS Winner?**
*Capsicum* 'Black Pearl' vs. 'Unknown
Dwarf Black Pepper'
Trial Location: Guelph
September 6, 2016



*Capsicum* 'Black Pearl'

*Capsicum* Unknown Dwarf type
- Approximately half the height
of Black Pearl

## Future AAS Winners? - Perennials

Trial Bed – Guelph – Bovey Garden (UofG)
September 28, 2016

*Solidago canadensis*
'Little Miss Sunshine'

Trial Bed: Guelph
July 18, 2016

Trial Bed: Guelph
September 6, 2016

*Heliopsis* 'Tuscan Sun'
Trial Bed: Guelph
August 2, 2016

*Heliopsis* 'Prima Ballerina'
Trial Bed: Guelph
August 2, 2016

*Gaillardia* 'Mesa Red'
Trial Bed: Milton - Landscape Ontario
September 7, 2016

*Lychnis* 'Petite Jenny'
Trial Bed: Guelph
August 20, 2016

**New Hydrangea Trial in Milton**

- planted in May of 2016
- Treatments with and without acid fertilizer

**New Rose Trial in Milton**

- planted in May of 2016
- Approximately 164 different cultivars of roses

New Rose Trial on Open House Day
August 18, 2016

## Annuals preference survey

### Background

- Each year, annuals are tested for agronomic performance, but what do consumers think of the new releases?
- Collaboration with Dr. Alexandra Grygorczyk from Vineland Research and Innovation Centre and the Department of Plant Agriculture Trial Garden program
- Amy Jenkins (Vineland Research and Innovation Centre) completed the data analysis
- Conducted survey on annual plant preferences at the public trial garden open house event in Guelph at the Guelph Turfgrass Institute

## Annuals preference survey

### Methods

- Surveyed 106 attendees of open house event on Aug. 19-20, 2016
- The Guelph Wellington Master Gardeners assisted in giving the survey
- All plants were labelled with 3 digit codes and order of plants was switched throughout the day to minimize bias
- Consumer sample skewed to older female population
  - Not representative of general population

| Demographic | % |
|---|---|
| Female | 82 |
| Male | 18 |
| 18 to 25 years of age | 17 |
| 36 to 50 years of age | 10 |
| 51 to 65 years of age | 36 |
| >65 years of age | 34 |

## Annuals preference survey

### Petunia colour preferences

Vibrant and exotic colours are at the top. However...

Well liked, but also very polarizing

| Flower | Best (%) | Worst (%) |
|---|---|---|
| | 26% | 25% |
| | 23% | 31% |
| | 21% | 11% |
| | 18% | 20% |
| | 12% | 12% |

## Annuals preference survey

### Petunia/Calibrachoa pattern preferences

| Flower | Best (%) | Least (%) |
|---|---|---|
| | 30% | 4% |
| | 22% | 10% |
| | 15% | 0% |
| | 14% | 6% |
| | 11% | 23% |
| | 7% | 33% |
| | 1% | 25% |

Patterns with differentiated centre most preferred

## Annuals preference survey

### Petunia/Calibrachoa pattern preferences

| Flower | Best (%) | Least (%) |
|---|---|---|
| | 30% | 4% |
| | 22% | 10% |
| | 15% | 0% |
| | 14% | 6% |
| | 11% | 23% |
| | 7% | 33% |
| | 1% | 25% |

More likely to be older & consumers with a landscape garden

More likely to be younger & consumers with a patio garden

## Annuals preference survey

**Plant preferences**

In front of you are a number of **different** annual plants. Which do you like: 1) Best 2) Least

## Annuals preference survey

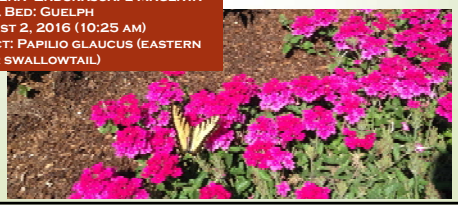
**Plant preferences**

| Plant | Best (%) | Least (%) |
|---|---|---|
| Purple-leaved pepper | 31% | 8% |
| Canna lily | 21% | 4% |
| New Guinea Impatiens | 14% | 19% |
| Papyrus | 13% | 15% |
| Geranium | 10% | 8% |
| Verbena | 8% | 20% |
| Petunia | 2% | 26% |

More likely younger & have lower plant expenditure

More likely older & have high plant expenditure

Celosia 'Asian Garden'
Trial Bed: Guelph
September 2, 2016 (10:30 am)
Insect: Bumble bee



*Verbena* 'Endurascape Magenta'
Trial Bed: Guelph
August 2, 2016 (10:25 am)
Insect: Papilio glaucus (eastern tiger swallowtail)

**2017 Open House Dates**

Vineland Evening Event – July 26, 2017
Industry Event (Milton/Guelph) – August 17, 2017
Public Event (Guelph) – August 18-19, 2017