Greenworks 2010 Annual Meeting

Leonard Perry, UVM Extension

- UVM/Plant Science update
- Flower Display Garden Waterfront Park, Burlington
- Hardiness Research
view east 2008 from Davis Center
Agr. Engineering building
James Jeffords Hall, Jan. 2009
future Plant Sciences building
James Jeffords Hall, Jan. 2010
Future site of Jefford’s Hall

Agr. Engineering building 2008 towards west
Jefford’s Hall, May 2010 opening
Plant sciences, plant biology
All-America Selections
Flower Display Garden

Burlington Waterfront Park

A cooperative effort of Burlington Parks and Recreation
Dr. Leonard Perry, University of Vermont
All-America Selections 2008
Exemplary Education Award

Across the Fence set
At planting, June 2009
July 2009
Bed labels
Celosia ‘Fresh Look Red’ (2004), Euphorbia ‘Diamond Frost’
Ornamental Pepper ‘Black Pearl’ (2006)
Vinca ‘First Kiss Blueberry’ (2005)
Frosted Curls sedge, Sutera (Bacopa)
“leather and lace”
Leather Leaf sedge, Emerald Lace sweet potato
Canna Magic series, lantana

“canna lantana”
Pow Wow Wild Berry coneflower (*Echinacea*)

- Basal branching = more flowers
- Long bloom, first year from seed (20 weeks)
- 18-24in. tall

2010 AAS winner

Photo courtesy AAS
Viola
‘Endurio Sky Blue Martien’

- Sky blue spring, fall
- Spreading/mounded
- 6in. tall, 12in. wide

2010 AAS
Cool season winner

Photo courtesy AAS
Gaillardia
‘Mesa Yellow’

- Mounded 15-20in. tall, not floppy
- Earlier bloom than similar cvs.
- Good for small spaces, containers, butterflies

2010 AAS winner

Photo courtesy AAS
2010 AAS winner

Marigold (African) ‘Moonsong Deep Orange’

• Intense orange color
• Double
• Foliage covers old fls
• 12-15in. tall

Photo courtesy AAS
2010 AAS bedding plant winner

Snapdragon ‘Twinny Peach’

- Unique colors
- Butterfly type, no “snap”
- 10-12in. tall

Photo courtesy AAS
Zinnia
‘Starlight Rose’

- Interspecific cross
- Resistance to powdery mildew, leaf spots
- 12in. tall and wide
- Unique bicolor, shines in evening light

2010 AAS
Bedding plant winner

Photo courtesy AAS
2010 AAS Bedding plant winner

Zinnia ‘Double Zahara Cherry’

- Interspecific cross
- Resistance to powdery mildew, leaf spots
- 12in. tall and wide

Photo courtesy AAS
2010 AAS
Bedding plant winner

Zinnia
‘Double Zahara Fire’

• Interspecific cross
• Resistance to powdery mildew, leaf spots
• 12in. tall and wide

Photo courtesy AAS
2009 winner

Viola

‘Rain Blue and Purple’

Photo courtesy AAS
2008 winner

Viola

‘Skippy XL Plum Gold’

Photo courtesy AAS
2008 winner

Osteospermum

‘Asti White’

Photo courtesy AAS
These gardens made possible by:

Burlington Parks and Recreation
Pleasant View Gardens
D.S. Cole Growers
Greenworks, the VNLA
Burlington Garden Club

more information:
perrysperennials.info/research/
Waterfront Park
Perennial Hardiness Research

- Controlled freezing studies, field trials
- Grad assistant Sarah Kingsley Richards 03-present
- Low groundcover plants
- Midwinter deacclimation
- Coralbells (Heuchera)
Low groundcover hardiness

Based on pot treatment temps., at least 4/6 living

- 19 selections hardy (-11 or -14 C, top rating two years in field)
- 6 selections moderately hardy (-5 or -8 C)
- 8 selections non-hardy (-2 or above, not hardy in zone 4a)

Details: perrysperennials.info/research
Midwinter Deacclimation studies

2009-09 *Salvia* ‘Rhapsody in Blue’, *Sedum* ‘Neon’

2009-10 *Leucanthemum* ‘Becky’,

*Achillea* ‘Apricot Delight’

Various warm treatments prior to freezing

2008-09 no differences 34F or 40F 2wks or cycling greenhouse

2008-09 as little as one week 55F, 40/65F N/D detrimental

*Made possible in part thanks to funding from Greenworks*
Hardiness of Coralbells (*Heuchera*)

Field trials zone 4a 2007 30 cvs, 15 surviving 2009
40 cvs added fall 2009


*Made possible by grants from the New Hampshire Horticulture Endowment*
These studies made possible by:

Greenworks, Vermont Nursery and Landscape Assn.
New Hampshire Horticulture Endowment
Perennial Plant Association
New England Floriculture
New England Grows
nurseries
(Plant Haven, Plants Nouveau, Blooms of Bressingham, Terra Nova, Quansett, Sunny Border, North Creek)

Thanks!
More on research, events…

Perrysperennials.info

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