

October 12, 2016

2016 WEST GROVE CULTURE TRIAL RESULTS

DarwinPerennials®

PERENNIALS WITH STAYING POWER™

The goal:



- To learn how Darwin Perennials perform with varying transplant dates
- To develop production protocols that will help growers deliver quality finished perennials to retailers

DarwinPerennials®

Photo: August 4th



Salvia Blue Marvel

Lavender Super Blue

Heliopsis Sunstruck™

Scabiosa Flutter Blue

Achillea New Vintage™ Finishing Trials

DarwinPerennials.

Varieties:

- Red
- Rose
- Violet
- White

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

New Vintage Achillea: Finishing trial results			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 10	Week 14	Week 20
Transplant to 2.5 qt.	Week 15	Week 19	Week 25
Weeks to first color	Week 24	Week 28	Week 30
Peak color	Week 27	Week 31	Week 32
Weeks to first color	9	9	5



N.V. White



N.V. Rose



Group 3: 8/26/16

Foxlight Digitalis Plum Gold: Vernalized liner finishing trials

Production Guidelines:	Group I
Stick URC to Deep-30 cell	NA-GLP*
Transplant to 2.5 qt.	Week 14
Weeks to first color	Week 19
Peak color	Week 20
Weeks to first color	5

* Deep-30cell liners-vernalized-from Green Leaf Plants

Foxlight Digitalis Ruby Glow: Vernalized liner finishing trials

Production Guidelines:	Group I
Stick URC to Deep-30 cell	NA-GLP*
Transplant to 2.5 qt.	Week 14
Weeks to first color	Week 21
Peak color	Week 22
Weeks to first color	7

* Deep-30cell liners-vernalized-from Green Leaf Plants

Foxlight Digitalis Rose Ivory: Vernalized liner finishing trials

Production Guidelines:	Group I
Stick URC to Deep-30 cell	NA-GLP*
Transplant to 2.5 qt.	Week 14
Weeks to first color	Week 19
Peak color	Week 21
Weeks to first color	5

* Deep-30cell liners-vernalized-from Green Leaf Plants



Ruby Glow week 22

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Foxlight Digitalis Ruby Glow: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 6	Week 10	Week 16
Transplant to 2.5 qt.	Week 13	Week 17	Week 23
Weeks to first color	Week 23	Week 25	Week 29
Peak color	Week 24	Week 26	Week 30
Weeks to first color	10	8	6

Group 3: 7/26/30



Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Foxlight Digitalis Plum Gold: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 6	Week 10	Week 16
Transplant to 2.5 qt.	Week 13	Week 17	Week 23
Weeks to first color	Week 21	Week 25	Week 28
Peak color	Week 22	Week 26	Week 29
Weeks to first color	8	8	5

Group 3: 7/26/30



Foxlight™ Digitalis Rose Ivory: Finishing Trials

DarwinPerennials.

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Foxlight Digitalis Rose Ivory : Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 6	Week 10	Week 16
Transplant to 2.5 qt.	Week 13	Week 18	Week 23
Weeks to first color	Week 26	Week 25	Week 29
Peak color	Week 27	Week 26	Week 30
Weeks to first color	13	7	6

Group 3: 7/26/30



UpTick™ Coreopsis: Finishing Trials

DarwinPerennials.

Varieties:

- Bronze & Gold
- Cream
- Yellow & Red
- Cream & Red

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

UpTick Coreopsis: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 9	Week 13	Week 19
Transplant to 2.5 qt.	Week 15	Week 19	Week 25
Weeks to first color	Week 25	Week 28	Week 30
Peak color	Week 27	Week 32	Week 33
Weeks to first color	10	9	5



Group 3: 7/26/16



Sunstruck™ Heliopsis: Finishing Trials

DarwinPerennials.

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Sunstruck Heliopsis: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 9	Week 13	Week 19
Transplant to 2.5 qt.	Week 17	Week 19	Week 25
Weeks to first color	Week 27	Week 30	Week 32
Peak color	Week 30	Week 32	Week 34
Weeks to first color	10	11	7



8/10/16

Lavandula Super Blue: Finishing Trials

DarwinPerennials.

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Lavandula Super Blue: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 8	Week 12	Week 18
Transplant to 2.5 qt.	Week 17	Week 20	Week 26
Weeks to first color	Week 27	Week 26	Week 31
Peak color	Week 29	Week 28	Week 33
Weeks to first color	10	6	5

Group 3: 8/15/16



Balmy™ Monarda: Finishing Trials

DarwinPerennials.

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Varieties:

- Lilac
- Pink
- Purple
- Rose

Balmy Monarda: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 10	Week 13	Week 19
Transplant to 2.5 qt.	Week 17	Week 19	Week 25
Weeks to first color	Week 27	Week 28	Week 33
Peak color	Week 29	Week 30	na
Weeks to first color	10	9	na

Group 2: 7/26/16
Balmy Rose



Salvia Lyrical™ Blue: Finishing Trials

DarwinPerennials.

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Salvia Lyrical Blue: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 9	Week 13	Week 19
Transplant to 2.5 qt.	Week 17	Week 19	Week 25
Weeks to first color	Week 28	Week 24	Week 29
Peak color	Week 30	Week 26	Week 30
Weeks to first color	11	5	4



Group 3: 7/26/16

Salvia Blue Marvel: Finishing Trials

DarwinPerennials.

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Salvia Blue Marvel: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 9	Week 13	Week 19
Transplant to 2.5 qt.	Week 17	Week 19	Week 25
Weeks to first color	Week 27	Week 24	Week 29
Peak color	Week 30	Week 26	Week 30
Weeks to first color	10	5	4

Group 3: 7/26/16



Mirage™ Salvia: Finishing Trials

DarwinPerennials.

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Varieties:

- Burgundy
- Cherry Red
- Cream
- Deep Purple
- Hot Pink
- Neon Rose
- Pink
- Soft Pink
- Violet

Salvia Mirage: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 8	Week 12	Week 18
Transplant to 2.5 qt.	Week 14	Week 18	Week 24
Weeks to first color	Week 22	Week 22	Week 29
Peak color	Week 24	Week 25	na
Weeks to first color	8	4	na
* Data has been blended for all nine varieties in the series			



Group 2: 6/1/16
Mirage Deep Purple

Flutter™ Scabiosa: Finishing Trials

DarwinPerennials.

Specifics:

- Container: 2.5 qt
- 13-5-9 Harrel's slow release top dressed
- Overhead watering
- Grown in southeast PA

Varieties:

- Deep Blue
- Rose Pink

Scabiosa Flutter: Finishing trials			
Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 30mm elle	Week 9	Week 13	Week 19
Transplant to 2.5 qt.	Week 15	Week 19	Week 25
Weeks to first color	Week 25	Week 26	Week 33
Peak color	Week 28	Week 30	na
Weeks to first color	10	7	na

Group 2: 7/26/16



2015 Culture trial results

- Penstemon Rock Candy™
- Veronica Moody Blues™

Moody Blues™ Veronica: Finishing Trials

DarwinPerennials.

Varieties:

- Dark Blue Moody Blues™
- Mauve Moody Blues™
- Sky Blue Moody Blues™
- Pink Moody Blues™

Specifics:

- Container: 700' series
- Frey Brothers perennial mix
- 13-5-9 Harrell's slow release feed top-dressed
- Overhead watering

Moody Blues™ Veronica: Finishing Trials 2015

Production Guidelines:	Group 1	Group 2	Group 3
Sick URC to 72-cells	Week 7	Week 11	Week 20
Off mist	Week 9	Week 13	Week 22
Pinch in cell	Week 12	Week 17	Week 26
Transplant to finished container (outside in PA)	Week 15	Week 20	Week 29
Pinch in container	Week 18	Week 24	Week 33
Shipable color 4 varieties	Week 25	Week 30	Week 39



Sky Blue Moody Blues™
Veronica could fit a tray



Dark Blue Moody Blues™
Veronica



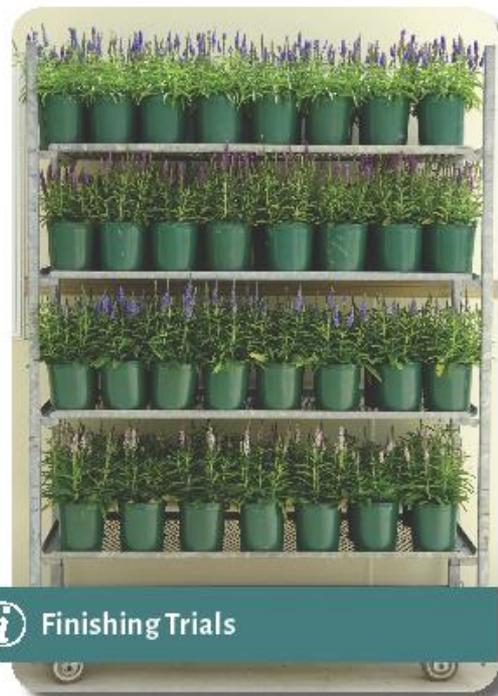
Mauve Moody Blues™
Veronica



Sky Blue Moody Blues™
Veronica



Pink Moody Blues™
Veronica



Finishing Trials

Rock Candy™ Penstemon: Finishing Trials

DarwinPerennials.

Varieties:

- Pink Rock Candy™
- Purple Rock Candy™
- Blue Rock Candy™
- Light Pink Rock Candy™
- Ruby Rock Candy™

Specifics:

- Container: 700' series
- Frey Brothers perennial mix
- 13-5-9 Harrell's slow release feed top-dressed
- Overhead watering

Rock Candy™ Penstemon: Finishing Trials 2015

Production Guidelines:	Group 1	Group 2	Group 3
Stick URC to 72-cells	Week 7	Week 12	Week 24
Off mist	Week 9	Week 14	Week 26
Pinch in cell	Week 12	Week 17	Week 29
Transplant to finished container (outside in PA)	Week 14	Week 21	Week 31
Pinch in container	Week 19	None	None
Shipable color 5 varieties	Week 23	Week 27	Week 38



Excellent canopy on Pink and Purple Rock Candy™ Penstemon



Pink Rock Candy™ Penstemon



Light Pink Rock Candy™ Penstemon



Purple Rock Candy™ Penstemon



Ruby Rock Candy™ Penstemon



Blue Rock Candy™ Penstemon



Finishing Trials