

# 2013 UW-WMARS Trial Site Conditions

## Weather Summary

Overall, we had a cool growing season with only 11 days over 90degrees F and a high temp of 93degrees F on July 17. The season began with very cool soil temps. April's average temperature was 44.1degrees F with 10 days at 32degrees F or below. In addition 19 of 31 days in April were partly cloudy or cloudy. The lack of sunshine continued on into May, which also had 19 of 30 days partly cloudy or cloudy. Though the average temp in May was a bit higher than normal, we did experience a low of 35degrees F on May 24<sup>th</sup>. More importantly we received 6.6in of rain, almost 3inches above normal. The cool wet conditions of April and May resulted in low soil temperatures at trial planting time on June 1.

All of our selections were planted by June 1. June 3 we experienced a 41degree F low temp that seemed to stress the newly planted selections. The month continued with the trend of cool, cloudy (21 of 30days), and wet with 10.9in of rain, nearly 6 inches above normal. In total we received 23.3in of rain from April 1-June 30. This was nearly 12in above normal. Though the moisture was appreciated, we experienced conditions that washed available nitrogen out of the shallow root zone of the newly planted selections. Cool wet soil in combination with lack of nitrogen led to slow growth and stunted plant size.

July began to dry out and the sun began to shine. In July we had 4inches of rain and 18 of 30 days clear and sunny. Though the plants were delayed, they displayed excellent growth. Timely rains throughout the month created ideal growing conditions.

In August conditions became very dry. Between Aug 1 and Aug 22 we received only .3 inches of rain. This required us to irrigate selections. Flowering plants continued to show delayed maturity and vegetable/fruit crops displayed significantly delayed ripening. The delay in ripening was accentuated by a low temp of 46degrees F on Aug 14. September continued with dry conditions and the trial ended on Sept 16<sup>th</sup>

Overall, selections faired well with few pathogens and very minimal insect pressure.

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Company	Genus	Cultivar	Rating			Summer avg	Notes		
			9-Jul	6-Aug	7-Sep		9-Jul	6-Aug	7-Sep
Proven Winners	Angelonia	Angelface White				DNP			
BallFloraPlant	Angelonia	AngelMist 'Spreading Drk Purple'	4	4.5	5	4.5		Very uniform; many blooms	
Proven Winners	Angelonia	Angelface Blue	4	4	3.5	3.8	All plants flowering		
Proven Winners	Angelonia	Angelface Pink	3.5	3.5	4	3.7	Inconsistent flowering between plants		Some color break to purple
Proven Winners	Begonia	Surefire Rose	5	5	5	5.0	8"x10" (height x width); 75% bloom coverage	14"x16"	22"x18"
Proven Winners	Begonia	Surefire Red	5	5	5	5.0	8"x10"; 80% bloom coverage	14"x16"	22"x20"
BallFloraPlant	Bidens	Sun Drop	4.5	3.5	3.5	3.8		Consistent habit and size	
Proven Winners	Calibrachoa	Superbells Pomegranate Punch	4	4	5	4.3	Good size; consistent flowering and plant size; many blooms	60% flower coverage; much healthier than other cultivars; consistent	
Proven Winners	Calibrachoa	Superbells Spicy	3	3	4	3.3	50% of plants chlorotic; good flowers on 50% of plants	Chlorotic; consistent blooms	
Proven Winners	Calibrachoa	Superbells Lemon Slice	3.5	2.5	3	3.0	Few plants chlorotic; consistent flowering and plant size; many blooms	Chlorotic	
Syngenta	Calibrachoa	CALLIE® BRIGHT RED	3	2.5	3.5	3.0	80% of plants chlorotic; consistent flowering	Chlorotic; poor blooms	
Syngenta	Calibrachoa	CALLIE® STAR PINK	3	2.5	3	2.8	70% of plants chlorotic; consistent flowering	Not as chlorotic as others	Chlorotic; inconsistent blooms between plants
Syngenta	Calibrachoa	CALLIE® PURPLE	2.5	2	3	2.5	Chlorotic; consistent flowering and plant size		Chlorotic
Proven Winners	Calibrachoa	Superbells Cherry Star	3	2	2	2.3	Chlorotic; good/consistent plant size; consistent flowering	Chlorotic; few flowers	
Syngenta	Calibrachoa	CALLIE® WHITE 11	3	2	2	2.3	Chlorotic; consistent flowering	Chlorotic	
Proven Winners	Calibrachoa	Superbells Dreamsicle	2.5	2	2	2.2	Chlorotic; few flowers, some faded		
Syngenta	Calibrachoa	CALLIE® CORAL PINK	2	2	2	2.0	Most plants chlorotic; few flowers; not much growth; inconsistent size	Stunted growth	
Syngenta	Calibrachoa	CALLIE® LIGHT BLUE 11	2.5	1.5	1	1.7	Chlorotic; consistent flowering	No flowers	All dead
Syngenta	Calibrachoa	CALLIE® YELLOW IMP.	1.5	1	1.5	1.3	30% of plants living	3/13 plants living	2/13 plants living
Syngenta	Calibrachoa	CALLIE® DEEP YELLOW	1	1	1	1.0	40% of plants living; inconsistent blooming; very chlorotic	3/13 plants living	3/13 plants living
Syngenta	Calibrachoa	CALLIE® ROSE 11	1	1	1	1.0	Few flowers; very chlorotic; no growth	6/13 plants living	3/13 plants living
Ball Trial-PanAmSeeds	Celosia	First Flame Red	4	4	3	3.7		Well branched; good color	
Ball Trial-PanAmSeeds	Celosia	First Flame Yellow	4	3.5	2.5	3.3		Color faded on old flowers	
Ball Trial-PanAmSeeds	Celosia	First Flame Orange	3.5	2	1.5	2.3	Faded flower color	Plants wilted; poor vegetative growth	
Proven Winners	Cleome	Senorita Rosalita®	5	5	5	5.0		Very consistent size and flowering; flowers everywhere on plant	
Proven Winners	Cleome	Senorita Blanca™	4.5	4.5	5	4.7	Not fully flowering	Very consistent size and flowering; continuous flowering at top of plant	
Ball Ingenuity	Coleus	Kong Jr. Scarlet	4	5	5	4.7	Plants in sun are larger	Color and plant size consistent	
Ball Ingenuity	Coleus	Kong Jr. Green Halo	4	4	4	4.0	Plant in sun has no variegation	Flowers evident; increased plant size in sun	
Ball Ingenuity	Coleus	Kong Jr. Lime Vein	4	4	4	4.0	Plants in sun are larger	Flowers evident; plants in shade have more burgundy	
Ball Ingenuity	Coleus	Kong Jr. Rose	4	4	4	4.0	Plant in sun has deeper color	Flowers evident	
Ball Trial-PanAmSeeds	Coleus	Mighty Mosaic	4	4	3.5	3.8		Consistent plant size	
Proven Winners	Dahlia	Dalina Midi Corsica	4	3.5	2.5	3.3	60% flower coverage	Blooms hidden by foliage	5% bloom coverage
Proven Winners	Dahlia	Dalina Midi Samos	3.5	3.5	2.5	3.2		Blooms hidden by foliage	10% bloom coverage
Syngenta	Dahlia	GOLDALIA™ ROSE IMP.	3	3.5	2.5	3.0	20% bloom coverage	Consistent plant size; 40% bloom coverage	5% bloom coverage
Syngenta	Dahlia	GOLDALIA™ SCARLET IMP.	3	3	2.5	2.8	10% bloom coverage	Consistent plant size	5% bloom coverage
Proven Winners	Evolvulus	Blue My Mind™	3.5	3.5	4	3.7	Slightly chlorotic	Consistent size	Open centers
Ball Trial-PanAmSeeds	Gazania	New Day Red Shades	3.5	2.5	3.5	3.2		Inconsistent flowering between plants; 20% bloom coverage	
Proven Winners	Gomphrena	Forest 'Pink'	4	4.5	5	4.5		Consistent blooming	
Proven Winners	Isotoma	Beth's Blue	5	4	3	4.0		Very consistent size and blooming	Flowering only on outside edges

Company	Genus	Cultivar	Rating			Summer avg	Notes		
			9-Jul	6-Aug	7-Sep		9-Jul	6-Aug	7-Sep
Syngenta	Kwik Kombos™	Desert Sunset Mix				DNP			
Syngenta	Kwik Kombos™	Sanguna® Punk Rock Mix				DNP			
Syngenta	Kwik Kombos™	Night in Pompeii™ Mix	4.5	5	5	4.8	Good size; appealing color combination; lobelia missing in 2/10 plant mixes		
Syngenta	Kwik Kombos™	Bandana® Lemon Squeeze™ Mix	3.5	3.5	3.5	3.5	30% bloom coverage; color mix not equal; some plants only with one color	50% bloom coverage	
Syngenta	Kwik Kombos™	Primary Perfection™ Mix	3.5	4	3	3.5	All flowers visible in each, but inconsistent ratio of flowers	Blue lobelia dominates; calibrachoa chlorotic	Poor flowering
Syngenta	Kwik Kombos™	Sanguna® Salute Mix	3	3.5	3.5	3.3	2/11 plant mixes have white flowers; inconsistent size; 2/11 plant mixes have only one flower present	Healthy	
Syngenta	Kwik Kombos™	Fire And Ice™ Mix	3	3.5	3.5	3.3	Petunias are great size, but overpowering; lobelia visible on 50%; yellow flower visible on 50%; consistent size	Healthy	
Syngenta	Kwik Kombos™	Summer Skyline Mix	2.5	2.5	2	2.3	Verbena dominates mixes; calibrachoa chlorotic and dying		
Syngenta	Kwik Kombos™	Callie Color Wheel Mix	2	2	2.5	2.2	Red flower overpowers others; purple flower living on 3/12 plants; some chlorotic; consistent size	Chlorotic; only 2/12 plants living	
Syngenta	Lantana	BANDANA® WHITE	4	5	5	4.7	8"x10"; 50% bloom coverage	10"x14"; 60% bloom coverage	
BallFloraPlant	Lantana	Little Lucky 'Lemon Cream'	4	4	4	4.0	6"x8"; 50% bloom coverage	8"x10"; 40% bloom coverage	
Syngenta	Lantana	BANDANA® RED	4	4	4	4.0	8"x10"; 40% bloom coverage	12"x14"; 50% bloom coverage	
Syngenta	Lantana	BANDANA® ROSE	4	4	4	4.0	10"x12"; 50% bloom coverage; blooms hidden by foliage	10"x18"; 25% bloom coverage	
Syngenta	Lantana	BANDANA® PEACH	3.5	4	4	3.8	8"x10"; 30% bloom coverage; inconsistent plant size	10"x14"; 50% bloom coverage	
BallFloraPlant	Lantana	Little Lucky 'Red'	4	3.5	3.5	3.7	8"x10"; 40% bloom coverage; blooms hidden by foliage	12"x14"; 20% bloom coverage; blooms hidden by foliage	
Syngenta	Lantana	BANDANA® CHERRY SUNRISE	4	3.5	3.5	3.7	10"x10"; 60% bloom coverage	12"x18"; 30% bloom coverage; fruit evident	
BallTrial-Selecta	Lobelia	Magadi 'Compact Blue 14'	5	3.5	3	3.8			20% bloom coverage
BallTrial-Selecta	Lobelia	Magadi 'Compact Blue w/Eye'	4.5	3	4	3.8		Inconsistent plant shape	
Syngenta	Lobelia	TECHNO® HEAT WHITE	4	3	4	3.7	Open plant centers	3/10 plants color break to blue flowers	
Syngenta	Lobelia	TECHNO® HEAT UPRIGHT DARK BLUE	4	2.5	3	3.2	Good flower color; sparse foliage	More leggy appearance	
BallTrial-Selecta	Lobelia	Magadi 'Compact White'	3.5	2.5	3	3.0	Inconsistent plant size	Inconsistent flowering between plants	10% bloom coverage
Syngenta	Lobelia	TECHNO® HEAT ELECTRIC BLUE	3	3	3	3.0	Inconsistent plant size		
Syngenta	Lobelia	TECHNO® HEAT UPRIGHT WHITE	4	2.5	2	2.8	Not as many flowers as others in series	Color break to blue; 2/10 plants completely blue flowers	4/10 plants living, few flowers
Syngenta	Lobelia	TECHNO® HEAT VIOLET 11	3.5	2.5	2	2.7	Inconsistent plant size	Open centers	Plant very brown, few flowers
BallTrial-Selecta	Lobelia	Magadi 'Basket Drk Blue 14'	3.5	2.5	1.5	2.5	Long stems/leggy appearance; open areas in plants	Inconsistent flowering between plants; inconsistent plant size	4/10 plants living, 10% bloom coverage
Proven Winners	Lobularia	White Knight	4	4.5	5	4.5	Consistent plant size; Inconsistent blooming	Less flowers in center of plant; consistent plant size; more mounding habit	
Proven Winners	Lobularia	Blushing Princess™	4.5	4	5	4.5	Better bloom coverage	Some spots without flowers	
Proven Winners	Lobularia	Frosty Knight™	4.5	4	5	4.5	Blooms hidden by foliage; less flowering; great foliage	Less flowers in center of plant; consistent plant size; more mounding habit	
Proven Winners	Lobularia	Snow Princess®	4	4	5	4.3	Blooms towards edge of plant, bare in middle	Consistent flowering; more upright habit; some chlorotic foliage;	
Syngenta	Mandevilla Hybrida	RIO Deep Red	4	3.5	4.5	4.0	Not a lot of vegetative growth; about 2 open blooms per plant		
Syngenta	Mandevilla Hybrida	RIO Pink	4	3.5	4.5	4.0	Not a lot of vegetative growth; about 2 open blooms per plant		
Ball Trial-PanAmSeeds	Nemesia	Poetry Blue Imp.	3.5	3	4.5	3.7	Open centers	Inconsistent plant size	Good bloom coverage, 10% plants infected with white mold
Ball Trial-PanAmSeeds	Nemesia	Poetry Pink	4	2.5	3.5	3.3		Inconsistent flowering between plants	Healthy, 2% bloom coverage

Company	Genus	Cultivar	Rating			Summer avg	Notes		
			9-Jul	6-Aug	7-Sep		9-Jul	6-Aug	7-Sep
Syngenta	New Guinea Impatiens	SUPER SONIC® DARK SALMON	4	4	5	4.3	Few flowers; good size	Consistent plant size; 45% bloom coverage	
Syngenta	New Guinea Impatiens	SUPER SONIC® WHITE	4.5	4	4	4.2	Vigorous growth; good size; 50% flowering	40% bloom coverage; consistent plant size	
Syngenta	New Guinea Impatiens	SUPER SONIC® PURPLE	4	4	4	4.0	Vigorous growth; few flowers	30% bloom coverage	20% plants diseased
Syngenta	New Guinea Impatiens	SUPER SONIC® SWEET CHERRY	4	3.5	4.5	4.0	Few flowers; consistent size	20% bloom coverage; plants a little smaller	
Syngenta	New Guinea Impatiens	SUPER SONIC® LAVENDER	4	3.5	4	3.8	Overall very consistent size and flowering	30% bloom coverage	
Syngenta	New Guinea Impatiens	SUPER SONIC® ORANGE ICE	3.5	3	4.5	3.7	20% flowering	Inconsistent flowering between plants; good flower to foliage contrast	Holds faded blooms
Syngenta	New Guinea Impatiens	SUPER SONIC® HOT PINK	4	3.5	3	3.5	Small size; best flowering out of all impatiens	Healthy; not as many flowers; 20% bloom coverage	Inconsistent blooming between plants; 10% plants diseased
Syngenta	New Guinea Impatiens	SUPER SONIC® PINK	3	3	4	3.3	No flowers; inconsistent size	healthy foliage; 4/13 plants blooming	Blooms hidden by foliage
Ball Trial-Burpee H.G.	Osteospermum	White Lightning	4	4	5	4.2		Holds flowers well above foliage	
Ball Trial-PanAmSeeds	Osteospermum	Akila White Imp.	3	3.5	4.5	3.7	3/6 plants blooming; inconsistent plant size		
Ball Trial-PanAmSeeds	Pansy	Cool Wave Golden Yellow	4.5	3.5	4	4.0	Good flower coverage		
Ball Trial-PanAmSeeds	Pansy	Cool Wave Purple	4.5	3	3.5	3.7	Good flower coverage		
Proven Winners	Pelargonium	Caliente Pink	4	4.5	4.5	4.3	8"x10"; 11/11 plants blooming	10"x12"; 70% bloom coverage; foliage very healthy	40% bloom coverage
Proven Winners	Pelargonium	Caliente Lavender	3.5	4.5	4.5	4.2	10"x12"; 11/11 plants blooming; chlorotic	14"x14"; 80% bloom coverage; slightly chlorotic	70% bloom coverage
Proven Winners	Pelargonium	Calliope Dark Red	3.5	4.5	4.5	4.2	10"x12"; 8/11 plants blooming	14"x18"; 75% bloom coverage; plant size consistent	60% bloom coverage
Syngenta	Pelargonium	CALIENTE® FIRE	3.5	4	5	4.2	8"x10"; 9/11 plants blooming	12"x8"; 50% bloom coverage; consistent plant size and bloom coverage	45% bloom coverage
Proven Winners	Pelargonium	Caliente Orange	3.5	4	4.5	4.0	6"x8"; 6/11 plants blooming	14"x12"; 60% bloom coverage	60% bloom coverage
Proven Winners	Pelargonium	Calliope Burgundy	3.5	4.5	4	4.0	8"x10"; 4/11 plants blooming	12"x12"; 70% bloom coverage; plant size consistent	30% bloom coverage
Proven Winners	Pelargonium	Calliope Hot Pink	3.5	4	4	3.8	8"x10"; 5/11 plants blooming; inconsistent plant size	10"x12"; 70% bloom coverage; slight inconsistent plant size	50% bloom coverage
Proven Winners	Pelargonium	Calliope Scarlet Fire	3.5	4	4	3.8	8"x10"; 6/11 plants blooming	8"x10"; 50% bloom coverage	40% bloom coverage
Syngenta	Pelargonium	CALLIOPE™ DARK RED	3.5	4	4	3.8	8"x10"; 8/11 plants blooming	10"x12"; 50% bloom coverage	60% bloom coverage
Syngenta	Pelargonium	CALLIOPE™ SCARLET FIRE	3.5	4	4	3.8	8"x10"; 6/11 plants blooming	10"x8"; 40% bloom coverage; very consistent	40% bloom coverage
Proven Winners	Pelargonium	Caliente Rose	3.5	4	3.5	3.7	8"x10"; 7/11 plants blooming; chlorotic	10"x14"; 50% bloom coverage; slightly chlorotic; consistent plant size	35% bloom coverage; chlorotic
Syngenta	Pelargonium	CALLIOPE™ BURGUNDY	3.5	4	3.5	3.7	8"x10"; 2/11 plants blooming	8"x10"; 50% bloom coverage; consistent plant size	30% bloom coverage
Proven Winners	Pelargonium	Calliope Lavender Rose	3.5	3.5	3.5	3.5	6"x6"; 4/11 plants blooming	8"x8"; 80% bloom coverage; high flower to foliage ratio	25% bloom coverage
Syngenta	Pelargonium	CALIENTE® LAVENDER	3	3.5	4	3.5	5"x7"; 6/11 plants blooming; poor vegetative growth; chlorotic	6"x8"; 50% bloom coverage	60% bloom coverage; slightly chlorotic
Syngenta	Pelargonium	CALIENTE® DARK ROSE	3.5	3	3	3.2	6"x8" (height x width); 9/11 plants blooming; inconsistent plant size; chlorotic	Inconsistent plant size and bloom coverage	Inconsistent size; some chlorosis; 30% bloom coverage
Syngenta	Pelargonium	CALIENTE® ORANGE	3	3.5	3	3.2	5"x7"; 9/11 plants blooming; poor vegetative growth	10"x8"; 75% bloom coverage	45% bloom coverage; inconsistent size
Syngenta	Pelargonium	CALIENTE® DEEP RED	3.5	3.5	2	3.0	8"x10"; 4/11 plants blooming; chlorotic	8"x12"; 20% bloom coverage; consistent plant size	5% bloom coverage; chlorotic
Syngenta	Pelargonium	CALLIOPE™ LAVENDER ROSE	3	3.5	2.5	3.0	4"x6"; 2/11 plants blooming; poor vegetative growth	8"x6"; 60% bloom coverage; small plant size	20% bloom coverage; small plant size
Proven Winners	Pelargonium	Caliente Deep Red	3.5	3	2	2.8	10"x12" (height x width); 7/11 plants blooming; chlorotic	10"x14"; 30% bloom coverage; chlorotic	5% bloom coverage; poor vegetative growth
Proven Winners	Pennisetum	Graceful Grasses Fireworks	5	5	5	5.0	Great color; about 1 ft tall	Seed heads on 4/9 plants; consistent size 1.5 - 2 ft tall	
Proven Winners	Pennisetum	Graceful Grasses Vertigo	5	5	5	5.0	Great color; about 2 ft tall	Seed heads not evident; about 3 ft tall	
Ball Trial-Kieft	Penstemon	Carillo Red	3	3.5	3	3.2	Poor flower display	Inconsistent flowering between plants	

2013 UW-WMARS Flower Trial

Company	Genus	Cultivar	Rating			Summer avg	Notes		
			9-Jul	6-Aug	7-Sep		9-Jul	6-Aug	7-Sep
Syngenta	Penta	Starcluster™ Rose	2.5	4	3.5	3.3	Small plant size; not flowering	30% bloom coverage	
Syngenta	Penta	Starcluster™ Lavender	3	3	3	3.0	Small plant size; about 6 inches tall; poor flowering	Healthy; 20% bloom coverage	Inconsistent plant size
Syngenta	Penta	Starcluster™ Red	3	3	3	3.0	Small plant size; about 4-6 inches tall; poor flowering	15% bloom coverage	
Proven Winners	Petunia	Supertunia White IMP	5	5	5	5.0	Very consistent plant size and flowering		
Proven Winners	Petunia	Supertunia Vista Bubblegum	5	5	5	5.0	Very consistent plant size and flowering; some color break to white		
Proven Winners	Petunia	Supertunia Flamingo	4	5	5	4.7	Overall consistent; one plant slightly chlorotic		
Proven Winners	Petunia	Supertunia Vista Silverberry	5	4.5	4.5	4.7	Very consistent plant size and flowering; some color break to pink		
Syngenta	Petunia	WHISPERS™ STAR ROSE	4	5	5	4.7	Good flowers		
Ball Trial-PanAmSeeds	Petunia	Easy Wave Neon Rose	5	4.5	4	4.5	Good plant size and flower coverage	Holding faded blooms	
Proven Winners	Petunia	Supertunia Orchid Charm	3.5	5	5	4.5	Consistent plant size and flowering; more vegetation than flowers		
Ball Trial-Burpee H.G.	Petunia	Flash Mob Bluerific	4	5	4	4.3	Consistent plant size; good flower coverage		White mold evident
Ball Trial-PanAmSeeds	Petunia	Shock Wave Coral Crush	4.5	5	3.5	4.3	Good flower coverage; good flower color		White mold evident
Ball Trial-PanAmSeeds	Petunia	Wave Purple Classic	4	5	4	4.3	Good ground coverage		
Proven Winners	Petunia	Supertunia Indigo Charm	4	4	5	4.3	Consistent plant size; more vegetative growth than flowers	Healthy; blooms below foliage	
Proven Winners	Petunia	Supertunia Watermelon Charm	3.5	4.5	5	4.3	Inconsistent plant size		
BallFloraPlant	Petunia	Suncatcher 'Vintage Rose'	4.5	4	4	4.2	Some color break to lime/yellow flower		
Ball Trial-PanAmSeeds	Petunia	EZ Rider Blue	4	4.5	4	4.2	Inconsistent plant size; good flower color and coverage	Consistent plant size	
Ball Trial-PanAmSeeds	Petunia	Shock Wave Denim	5	4.5	3	4.2	Great color	Slightly chlorotic	
Ball Trial-PanAmSeeds	Petunia	Tidal Wave Silver	5	5	2.5	4.2	Large plant size; foliage above flowers	White mold present; still very vigorous	50% infected with white mold
Proven Winners	Petunia	Supertunia Pink Charm	3.5	4	5	4.2	Lack of flower coverage in center	Healthy; blooms below foliage	
Proven Winners	Petunia	Supertunia Sangria Charm	3	4.5	5	4.2	Slightly chlorotic		
Ball Trial-PanAmSeeds	Petunia	EZ Rider Deep Salmon	4	4	4	4.0	Inconsistent plant size; flowers drooping a little		
BallFloraPlant	Petunia	Cha-Ching Cherry	4	4	3.5	3.8	Nice shape/upright habit; slight variation of color; good size	White mold present	
Syngenta	Petunia	WHISPERS™ AMETHYST	3.5	4	4	3.8	Inconsistent plant size; chlorotic	Slightly chlorotic	
BallFloraPlant	Petunia	Rose and Shine	3.5	4	3	3.5	Consistent plant size; slight variation of color	Holds some faded flowers	40% plants infected with white mold
Ball Trial-Burpee H.G.	Petunia	Flash Mob Redtastic	3	4	3.5	3.5	Long stems/leggy appearance; slightly chlorotic	Chlorotic; good bloom coverage	
BallFloraPlant	Petunia	Sun Spun 'Purple Star'	4	3	2.5	3.2	Consistent plant size and flower color	Holds spent blooms	
Ball Trial-Burpee H.G.	Petunia	Blue a Fuse	3	3	3	2.8	All plants small, consistent size; holds faded blooms; consistently varied	White dominates flower color	
Proven Winners	Portulaca	Mojave 'Tangerine'		4.5	4	4.3		Some open centers	
Syngenta	Salvia	VELOCITY™ BLUE	5	5	5	5.0	Very consistent plant size and flowering		Seed heads present
Syngenta	Scaevola	BOMBAY® WHITE	4	5	5	4.7	Slightly chlorotic	Very vigorous	
Proven Winners	Solenostemon	Limon Blush	4.5	5	5	4.8	Plants in sun are slightly larger; beautiful color	Flowering	
Syngenta	Sutera	CALYPSO™ JUMBO WHITE IMP.	4	3.5	1.5	3.0			
Proven Winners	Thunbergia	Lemon A-Peel	4	3.5	5	4.2	Healthy plant; starting to climb; few blooms	Did not climb well	
Proven Winners	Torenia	Catalina Grape-O-Licious	4	3.5	3.5	3.7	Consistent plant size	Larger plants in sun; better bloom coverage than other cultivars	
Proven Winners	Torenia	Catalina Midnight Blue	3.5	3.5	4	3.7	Semi-chlorotic; good flowers; holds onto spent flower; calyx has brown color		
Proven Winners	Torenia	Catalina Pink	3	3	3.5	3.2	Chlorotic; plant size and flowering consistent	Holds on to spent flower; calyx noticeably brown	

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			9-Jul	6-Aug	7-Sep		9-Jul	6-Aug	7-Sep
Proven Winners	Verbena	Superbena Royale Chambray	5	3.5	4.5	4.3		60% bloom coverage; open centers	60% bloom coverage
Proven Winners	Verbena	Superbena Royale Iced Cherry	4.5	3.5	4.5	4.2		60% bloom coverage; open centers	60% bloom coverage; open centers
BallFloraPlant	Verbena	Enduro 'White Blush'	4.5	4	3.5	4.0		65% bloom coverage; consistent plant size	40% bloom coverage
Proven Winners	Verbena	Superbena Royale Silverdust	4	3.5	4.5	4.0	Some open plant centers	50% bloom coverage; open centers	60% bloom coverage
Proven Winners	Verbena	Superbena Royale Plum Wine	4	4	3	3.7	Open plant centers	60% bloom coverage	35% bloom coverage
Proven Winners	Verbena	Superbena Royale Whitecap	4	4	3	3.7	Vigorous vegetative growth; 40% flower coverage	65% bloom coverage	35% bloom coverage
Proven Winners	Verbena	Superbena Royale Peachy Keen	3.5	3	4.5	3.7	Smaller plant size	40% bloom coverage; open centers	40% bloom coverage; open centers
Syngenta	Verbena	LANAI® BLUSH WHITE	4	3	4	3.7	70% flower coverage	40% bloom coverage; open centers	50% bloom coverage
Syngenta	Verbena	LANAI® BRIGHT EYE	4.5	3.5	3	3.7	85% flower coverage	50% bloom coverage	10% bloom coverage, inconsistent blooming between plants
Syngenta	Verbena	LANAI® BLUE DENIM	4	3	3.5	3.5	Good plant size; some open plant centers		45% bloom coverage
Syngenta	Verbena	Lanai® SCARLET W/ EYE	3.5	3	4	3.5	Inconsistent plant size; 65% flower coverage		60% bloom coverage, open centers
Proven Winners	Verbena	Superbena Violet Ice	4.5	3.5	2	3.3	Consistent plant size and flowering; 80% flower coverage	60% bloom coverage; open centers	5% bloom coverage
Syngenta	Verbena	LANAI® TWISTER PINK	4	3	3	3.3	Some open plant centers		50% bloom coverage
BallFloraPlant	Verbena	Enduro 'Purple'	3.5	3	3	3.2	Open plant centers; 70% flower coverage	Open centers; 30% bloom coverage	35% bloom coverage
Syngenta	Verbena	LANAI® VINTAGE ROSE	4	2.5	3	3.2			45% bloom coverage
Syngenta	Verbena	MAGELANA™ LIPSTICK IMP.	4	4	1.5	3.2	Inconsistent plant size; good flower coverage	60% bloom coverage; consistent flowering and plant size	No blooms
Syngenta	Verbena	LANAI® UPRIGHT LIME GREEN	4	2	3	3.0	Good flower coverage		30% bloom coverage, holds brown spent blooms
Syngenta	Verbena	MAGELANA™ RED	4.5	3	1.5	3.0	Great flower coverage	35% bloom coverage	No blooms
Syngenta	Verbena	LANAI® PEACH	3.5	2	3.4	3.0	Open plant centers; 45% flower coverage	Open plant centers	60% bloom coverage, open centers
Syngenta	Verbena	LANAI® CANDY CANE	3.5	3.5	1.5	2.8	40% flower coverage		No blooms
Syngenta	Verbena	LANAI® TWISTER PURPLE	3	2.5	3	2.8	Poor vegetative growth; slightly chlorotic		40% bloom coverage, open centers
Syngenta	Verbena	LANAI® DARK RED	3	3	2	2.7	Inconsistent plant size; 50% flower coverage		5% bloom coverage
Syngenta	Verbena	LANAI® TWISTER RED	3	2	3	2.7	Poor vegetative growth		40% bloom coverage, open centers
Syngenta	Verbena	MAGELANA™ PLUM FROST	3.5	2.5	1.5	2.5	Some variation in flower color	Open centers; 40% bloom coverage	No blooms
Syngenta	Verbena	MAGELANA™ PEACH	2.5	2	1.5	2.0	Poor flower coverage	20% bloom coverage	No blooms
BallFloraPlant	Verbena	Enduro 'Rose'	1	2.5	1	1.5	No plant vigor; chlorotic	Very little vegetative growth	4/10 plants living, no vegetative growth
Ball Trial-PanAmSeeds	Vinca	Titan Rose Halo	4.5	4.5	5	4.7		More compact habit	
Ball Trial-PanAmSeeds	Vinca	Titan Burgundy Imp.	4.5	4	4	4.2		More leggy and branched habit than Rose Halo	
Ball Trial-Burpee H.G.	Viola	Popsicles Purple Face				DNP			
Ball Trial-Burpee H.G.	Viola	Popsicles White				DNP			
Ball Trial-Burpee H.G.	Viola	Popsicles Yellow	5	4	4	4.0	Good flower coverage		
Ball Trial-Burpee H.G.	Viola	Popsicles Frost	4	4	4	3.8			Good bloom coverage
Ball Trial-Burpee H.G.	Viola	Popsicles Purple/Yellow	4.5	3	1.5	3.0	Inconsistent plant size		No flowers
Ball Trial-PanAmSeeds	Viola	Sorbet XP Denim Jump Up	4	3	2	3.0	Consistent flower color; plant size a little small		
Ball Trial-PanAmSeeds	Viola	Sorbet Red Blotch	4	3	2	3.0			
Ball Trial-Burpee H.G.	Viola	Popsicles Red/Fire	3	2	3	2.5	Inconsistent plant size and color; yellow dominant in some plants		
Ball Trial-PanAmSeeds	Zinnia	Zahara Sunburst	4.5	5	2	3.8	Great color		About 60% white mold infection
Ball Trial-Burpee H.G.	Zinnia	UpTown Grape	4	5	3	3.7	Inconsistent flower coverage	Holds flowers above foliage; very vigorous; inconsistent plant height	About 20% plants infected with white mold
Ball Trial-PanAmSeeds	Zinnia	Zahara Cherry	4	4	2	3.3			About 60% white mold infection