

Table 2. Foliage and flower performance ratings of pansies and viola grown in Bradenton, FL, grouped within classes according to species, flower color and flower color pattern. Seeds were sown 4-5 Dec., and plugs transplanted to ground beds 31 Jan.-1 Feb. Ratings on Feb 28 and March 14 taken in sprayed land; ratings 3 and 4 taken March 15 and 27 in the unsprayed land.

Cultivar	Foliage ratings ^v					Flower rating ^w					Overall rating ^x	
	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Avg.	
<i>Pansy (Viola x wittrockiana Gams.)</i>												
<i>Pansy – black class</i>												
Accord/Banner Black	4.8	4.5	5.3	5.8	5.1	3.5	4.5	4.8	5.0	4.5 a	4.8	
Halloween	4.3	4.5 ^{NS}	5.0	5.8	4.9	2.5	4.0 ^{NS}	4.5 ^{NS}	4.8	4.0 b	4.4 ^{NS}	
<i>Pansy – blue, dark class</i>												
Scala Mid Blue	4.3	5.4	5.0	5.5	4.8	3.5	4.0	4.3	4.5	4.1	4.5 a	
<i>Pansy – blue shades class</i>												
Baby Bingo Sky Blue	4.3 bc ^y	4.5	5.0	5.8 a	4.9	2.5	4.0	4.8 a	5.0	4.1 a	4.5 a	
Bingo Azure Clear	5.0 a	4.3	4.3	4.3 c	4.5	2.8	4.0	4.0 b	4.0	3.7 ab	4.1 ab	
Dynamite Beacon Blue	4.5 ab	4.5	4.8	5.5 ab	4.8	2.3	3.5	4.0 b	4.3	3.5 bc	4.2 ab	
Dynamite Light Blue	3.8 c	4.0	4.5	4.5 bc	4.2	3.3	3.8	5.0 a	4.0	4.0 a	4.1 ab	

^v Foliage ratings on a 1 to 7 scale: 7- all plants in a plot had full and uniform foliage, plants were free of pest symptoms and abnormalities or weaknesses such as lodging; 4- average foliage density, minimal lodging, and/or some insect damage but foliage was still acceptable; 1- foliage sparse, stem lodging, and/or unacceptable pest damage making plants undesirable.

^w Flower ratings on a 1 to 7 scale: 7- flowers were numerous, uniformly distributed over all plants, flowers were free from pest symptoms; 4- average floral display, may have some pest damage but not severe enough to cause flowers to be unacceptable; and 1- unacceptable flower number or display, and/or pest damage severe resulting in unattractive flowers.

^x Overall rating: Sum of average flower and foliage ratings divided by 2, where cultivars ≥ 5 were considered outstanding, 4 to 4.9 as good performers, and ≤ 3.9 as fair to poor.

^y Mean separation within classes by LSD, $P < 0.05$.

Table 2. (Continued)

Cultivar	Foliage ratings					Flower rating					Overall rating	
	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Avg.	
Scala Sky Blue	4.0 bc	4.3 ^{NS}	4.5 ^{NS}	5.3 abc	4.5 ^{NS}	2.0 ^{NS}	3.3 ^{NS}	3.3 c	4.0 ^{NS}	3.2 b	3.8 b	
<i>Pansy – blue w/dark eye class</i>												
Baby Bingo Blue With Blotch ^Z	5.5 a	5.0 a	5.3	5.5 ab	5.3 a	5.3 a	5.3 a	5.0 a	5.3 ab	5.2 a	5.3 a	
Baby Bingo Experimental												
Marina Shades	5.0 ab	5.0 a	5.3	5.8 a	5.3 a	5.5 a	5.5 a	5.0 a	5.8 a	5.5 a	5.4 a	
Bingo Blue With Blotch	4.3 b	3.8 bc	5.0	5.3 ab	4.6 bc	3.5 b	4.3 b	5.0 a	4.8 b-d	4.4 b	4.5 b	
Bingo Blue Frost	3.3 bc	3.0 d	4.3	3.8 c	3.6 d	3.3 bc	4.0 bc	4.3 bc	3.5 g	3.8 de	3.7 d	
Bingo Light Blue W/B	4.3 b	4.3 b	5.0	5.3 ab	4.7 b	3.5 b	4.3 b	4.8 ab	4.0 efg	4.1 bcd	4.5 b	
Dynamite Blue W/B	4.3 b	3.5 cd	4.3	4.5 bc	4.2 c	3.3 bc	4.0 bc	4.0 cd	4.5 cde	4.0 cd	4.0 c	
Dynamite Ocean	5.0 ab	4.3 b	4.8	5.3 ab	4.9 b	2.3 d	3.8 bc	3.5 d	4.0 efg	3.4 ef	4.1 c	
Majestic Giant Supreme												
Blue & White W/B	4.5 b	4.0 bc	5.0	5.3 ab	4.7 b	2.3 d	3.3 c	4.0 cd	3.8 fg	3.4 f	4.0 c	
Majestic Giant Supreme												
Deep Blue W/B	3.5 c	4.0 bc	5.0	5.0 ab	4.4 bc	2.8 b-d	4.0 bc	4.5 abc	4.8 bcd	4.5 abc	4.8 bcd	
Majestic Giant Supreme												
Mid Blue W/B	4.5 b	4.0 bc	4.8	5.0 ab	4.6 bc	2.5 cd	3.3 c	4.0 cd	4.3 de	3.5 ef	4.0 c	
Scala Blue W/B	4.5 b	4.0 bc	5.3 ^{NS}	5.0 ab	4.7 b	2.5 cd	4.5 b	5.0 a	5.0 bc	4.3 bc	4.5 b	
<i>Pansy – mix class</i>												
Baby Bingo All-Seasons Mixture	4.5	4.5 ab	5.0 a	5.3	4.9 a	5.3 a	4.5 a	5.3 a	5.3	5.1 a	5.0 a	
Baby Bingo Autumn Blaze Mixture	4.0	3.5 a	4.0 b	4.5	4.0 c	5.0 a	4.0 ab	5.0 a	5.0	4.8 a	4.4 b	
Baby Bingo Winter Blues Mixture	4.8	4.8 a	5.3 a	5.5	5.1 a	4.8 a	4.3 a	5.0 a	5.0	4.8 a	4.9 a	
Dynamite Blotch Mixed	4.0	3.3 d	4.8 a	4.8	4.2 c	3.3 b	3.3 bc	4.8 ab	4.8	4.0 b	4.1 bc	
Dynamite Clear Mixed	4.3	3.3 d	4.5 ab	4.8	4.2 c	3.0 bc	3.0 c	4.3 b	4.8	3.8 b	4.0 c	
Trick or Treat	4.3	4.3 abc	4.8 a	5.5	4.7 ab	2.3 cd	4.3 a	4.3 b	4.8	3.9 b	4.3 bc	
Ultima Impression Mixed	3.8 ^{NS}	3.8 bcd	4.8 a	5.0 ^{NS}	4.4 bc	2.0 d	4.0 ab	4.8 ab	5.0	4.0 b	4.1 bc	
<i>Pansy – orange class</i>												

^Z “With Blotch” will be expressed as “W/B” throughout the remainder of this paper.

Table 2. (Continued)

Cultivar	Foliage ratings					Flower rating					Overall rating	
	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Avg.	
Scala Pure Orange Improved	3.3	3.0	4.0	4.5	3.7	1.5	2.5	3.3	3.8	2.8	3.3	
<i>Pansy – purple class</i>												
Dynamite Lavender	4.5	4.0	5.0	5.3	4.7	1.8 b	3.8	4.0	4.3	3.5 b	4.1 a	
Fama Lilac Shades	4.0	3.5	4.5	4.3	4.1	1.0 c	2.5	3.8	4.5	3.0 b	3.5 b	
Lavander Cool Shades	4.3 ^{NS}	3.8 ^{NS}	5.0 ^{NS}	5.3 ^{NS}	4.7	3.3 a	3.3 ^{NS}	4.0 ^{NS}	4.0 ^{NS}	3.7 a	4.1 a	
<i>Pansy – purple, dark class</i>												
Accord/Banner Purple	4.3	4.5	4.0	----	4.3	2.3 b	4.3	4.3	----	3.6	3.9	
Dynamite Purple	4.0	4.3	4.0	----	4.1	3.3 a	4.3	4.3	----	3.9	4.0	
Fama Purple	4.5 ^{NS}	4.8 ^{NS}	4.5 ^{NS}	----	4.6 ^{NS}	3.0 ab	4.5 ^{NS}	4.3	----	3.9 ^{NS}	4.3 ^{NS}	
<i>Pansy – purple w/dark eye class</i>												
Bingo Deep Purple	4.5	5.0 a	5.5	5.3 bc	5.1 a	2.0 c	4.5	4.5	4.3 c	3.8 b	4.5 b	
Baby Bingo Denim	5.0	4.5 ab	5.3	6.0 ab	5.2 a	4.0 ab	4.8	4.3	5.3 a	4.6 b	4.9 a	
Baby Bingo Experimental Denim	4.3	4.5 ab	5.3	6.3 a	5.1 a	4.0 ab	4.3	5.0	5.0 ab	4.6 b	4.8 a	
Baby Bingo Midnight	4.0	4.0 b	5.0	5.0 c	4.5 b	3.0 bc	4.3	4.5	4.5 bc	4.1 c	4.3 bc	
Baby Bingo Purple W/Face	4.3	4.0 b	5.5	6.0 ab	5.0 ab	4.8 a	4.8	5.0	5.0 ab	4.9 a	4.9 a	
Majestic Giant Supreme Purple W/B	4.0 ^{NS}	4.0 b	5.0 ^{NS}	4.8 c	4.5 b	2.0 c	3.8 ^{NS}	4.0	4.5 b	3.6 d	4.0 c	
<i>Pansy – purple w/light eye class</i>												
Baby Bingo Lavender Blue	4.5	4.5	5.8 a	6.0 a	5.2 a	5.3 a	5.0 a	5.0 a	5.5 a	5.2 a	5.2 a	
Purple Jester	4.3	4.0	4.5 b	4.5 b	4.3 b	2.8 b	3.0 b	4.0 b	4.0 b	3.5 b	3.9 b	
Purple Rain	4.8	4.8	5.5 a	6.0 a	5.3 a	5.5 a	5.3 a	5.0 a	5.5 a	5.4 a	5.3 a	
<i>Pansy – purple/white class</i>												
Accord Purple Picotee	3.3 b	3.3 b	4.5	4.8	4.0	2.0 b	3.5 b	4.8	4.8	3.8 b	3.9 b	
Baby Bingo Beaconsfield	4.8 a	5.0 a	5.5	6.0	5.4 a	4.0 a	4.8 a	5.0	5.0	4.7 a	5.0 a	

Table 2. (Continued)

Cultivar	Foliage ratings					Flower rating					Overall rating	
	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Avg.	
Dynamite Purple Rose White	4.5 a	3.5 b	4.8 ^{NS}	4.8 ^{NS}	4.4 b	2.0 b	3.5 b	4.3 ^{NS}	4.0 ^{NS}	3.5 b	3.9 b	
<i>Pansy – red class</i>												
Dynamite Scarlet	4.0	3.5	4.0	4.5	4.0 a	2.8	4.0	4.5	4.5	4.0 a	4.0 a	
Scala Scarlet	3.0 ^{NS}	3.0 ^{NS}	3.5 ^{NS}	4.0 ^{NS}	3.4 b	2.3 ^{NS}	3.8 ^{NS}	3.0 ^{NS}	3.8 ^{NS}	3.2 b	3.3 b	
<i>Pansy – red with dark eye class</i>												
Baby Bingo Fire	3.8 ab	3.0 bc	3.8 c	4.5	3.8 c	2.0 a	4.0 ab	3.8	3.3 c	3.3 b	3.5 b	
Bingo Red W/B	3.3 b	2.8 c	4.0 bc	5.0	3.8 c	1.0 b	2.8 cd	4.0	4.0 ab	3.0 bc	3.4 b	
Dynamite Red W/B	3.8 ab	3.0 bc	4.0 bc	4.0	3.7 c	1.8 a	3.3 bc	4.0	3.8 abc	3.2 b	3.5 b	
Fama Red	3.8 ab	3.8 a	4.5 ab	5.0	4.3 a	1.5 ab	3.0 cd	3.5	3.8 abc	3.0 bc	3.6 b	
Karma Red Blotch	4.3 a	3.5 ab	5.0 a	4.8	4.4 a	2.0 a	4.3 a	4.3	4.3 a	3.7 a	4.1 a	
Majestic Giant. Supreme Red W/B	3.3 b	3.3 abc	4.3 bc	4.8	3.9 bc	1.8 a	2.3 d	3.3 ^{NS}	3.5 bc	2.7 c	3.3 b	
<i>Pansy – rose class</i>												
Karma Rose	4.0	3.5	3.8	4.0	3.8	3.0	4.0	4.0	3.8	3.9	3.9	
<i>Pansy – rose w/blotchclass</i>												
Baby Bingo Rose Wing	4.5 a	4.0 ab	4.5 a	5.3 a	4.6 ab	3.0 a	4.8 a	5.0 a	5.0	4.5 a	4.5 a	
Bingo Light Rose W/B	4.3 a	3.5 b	4.8 a	5.0 ab	4.4 ab	2.0 bc	3.0 b	3.8 b	3.5	3.2 b	3.8 cd	
Bingo Rose W/B	4.5 a	4.3 ab	4.8 a	5.5 a	4.8 a	2.3 b	3.8 b	4.5 ab	4.5	3.8 b	4.3 ab	
Bingo Rose Frost	4.5 a	4.5 a	5.0 a	5.3 a	4.8 a	1.5 c	3.5 b	3.8 b	4.0	3.2 c	4.0 bc	
Dynamite Rose W/B	3.8 ab	3.5 b	3.0 b	3.3 c	3.4 d	2.0	3.5 b	4.3 ab	4.5	3.6 bc	3.5 d	
Karma Rose Blotch	4.0 a	3.5 b	4.3 a	4.8 ab	4.2 bc	2.0 bc	3.5 b	4.3 ab	4.0	3.5 bc	3.8 cd	
Maj. Gt. Supreme Rose W/B	3.3 b	3.5 b	4.3 a	4.3 b	3.8 cd	2.0 bc	3.0 b	3.8 b	4.3 ^{NS}	3.3 c	3.5 d	
<i>Pansy – white class</i>												
Bingo Clear White	4.8	3.3	5.0 ab	5.0	4.5 ab	2.8	3.8 ab	5.0 a	4.5	4.1	4.3 ab	
Dynamite White	4.0	3.5	4.8 ab	4.8	4.3 b	2.3	3.0 b	4.0 c	4.0	3.4	3.8 b	

Table 2. (Continued)

Cultivar	Foliage ratings					Flower rating					Overall rating	
	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Avg.	
Karma White	4.0	3.3	4.3 b	4.5	4.1 b	2.8	4.0 b	4.0 c	4.5	3.9	3.9 b	
Scala Pure White	4.8 ^{NS}	4.3 ^{NS}	5.5 a	5.3 ^{NS}	5.0 a	2.8 ^{NS}	4.5 a	4.5 b	4.5 ^{NS}	4.1 ^{NS}	4.5 a	
<i>Pansy – white shades (cream) class</i>												
Scala Cream	4.8	4.0	4.5	4.8	4.5	2.5	3.8	4.8 a	5.0	4.0	4.3	
<i>Pansy – white w/dark eye class</i>												
Bingo White W/B	4.8	3.5 bcd	4.8 ab	4.8	4.5 abc	2.3	4.0 a	3.8	4.0	3.6 a	4.0 ab	
Dynamite White W/B	5.0	3.3 cd	4.8 ab	4.8	4.5 abc	2.3	3.0 ab	3.8	4.3	3.3 ab	3.9 ab	
Fama Spanish Eyes	4.3	3.0 d	4.0 b	4.8	4.0 c	1.5	2.5 b	3.5	3.5	2.8 c	3.4 c	
Karma White Blotch	4.3	4.0 ab	4.3 b	4.8	4.3 bc	1.5	3.3 ab	3.8	3.8	3.1 bc	3.7 bc	
Majestic Giant. Supreme White W/B	4.8	3.8 ab	4.8 ab	5.3	4.7 ab	2.0	3.3 ab	3.8	4.3	3.3 ab	4.0ab	
Scala White W/B	4.8 ^{NS}	4.3 a	5.3 a	5.3 ^{NS}	4.9 a	2.0	3.8 a	4.5 ^{NS}	4.3 ^{NS}	3.7 a	4.3 a	
<i>Pansy – yellow class</i>												
Baby Bingo Yellow	4.8 a	3.8	4.5 b	5.0 ab	4.5 a	4.8 a	4.3 a	5.3 a	5.8 a	5.0 a	4.8 a	
Bingo Clear Yellow	4.0 b	3.3	3.3 c	3.3 c	3.5 b	2.0 cd	2.5 b	2.5 d	3.3 d	2.6 d	3.0 e	
Dynamite Yellow	4.8 a	3.5	4.8 ab	4.8 b	4.5 a	3.0 b	4.0 a	5.0 ab	4.8 b	4.2 b	4.3 b	
Fama Golden Yellow	4.3 ab	3.3	5.3 a	5.8 a	4.7 a	2.0 cd	3.0 b	4.5 b	4.0 c	3.4 c	4.0 cd	
Karma Yellow	4.3 ab	3.3	5.0 ab	5.5 ab	4.5 a	2.5 bc	4.0 a	5.0 ab	5.0 b	4.2 b	4.3 bc	
Scala Primrose	4.3 ab	3.8	5.0 ab	5.3 ab	4.6 a	1.5 d	2.8 b	3.8 c	5.0 b	3.3 c	3.9 d	
Scala Yellow	4.0 b	3.8 ^{NS}	5.0 ab	5.3 ab	4.5 a	2.3 c	4.3 a	5.0 ab	5.0 b	4.1 b	4.4 b	
<i>Pansy – yellow w/ blotch class</i>												
Baby Bingo Red & Yellow	3.5 d	3.3 ab	4.8	4.8 ab	4.1 bcd	2.5 ab	4.5 a	5.0 a	5.0 a	4.3 a	4.2 abc	
Bingo Yellow W/B	4.5 ab	3.8 ab	4.3	4.8 ab	4.3 abc	1.8 bc	3.0 cd	3.3 d	4.3 ab	3.1 de	3.7 d	
Bingo Red and Yellow	4.3 abc	4.0 a	4.5	5.0 ab	4.5 ab	3.0 a	4.0 ab	4.8 ab	5.0 a	4.2 a	4.4 a	
Dynamite Red & Yellow	3.8 cd	3.3 ab	4.3	4.8 ab	4.0 bcd	1.8 bc	3.3 bcd	4.0 c	4.3 ab	3.4 cd	3.7 d	
Dynamite Yellow W/B	4.0 bcd	3.0 b	4.3	3.5 c	3.7 d	2.3 abc	4.0 ab	4.5 abc	4.5 ab	3.8 ab	3.8 cd	
Fama Dark Eyed Lemon	4.8 a	4.0 a	4.8	5.0 b	4.6 a	1.5 bc	2.5 de	4.3 bc	3.8 a	3.0 de	3.8 de	

Table 2. (Continued)

Cultivar	Foliage ratings					Flower rating					Overall rating
	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Avg.
Karma Yellow Blotch	4.0 bcd	3.3 ab	4.3	4.0 bc	3.9 cd	1.8 bc	3.8 abc	4.5 abc	4.5 ab	3.7 bc	3.8 dc
Majestic Giant. Supreme											
Yellow W/B	3.8 cd	4.0 a	4.3	4.3 abc	4.1 bcd	1.8 bc	2.0 e	2.8 d	4.5 ab	2.8 ef	3.4 d
Scala Yellow W/B	4.5 ab	3.5 ab	5.0	5.3 a	4.8 a	2.3 bc	3.3 bcd	5.0 a	5.0 a	3.9 ab	4.2 ab
Scala YellowW/Blue Wings	4.5 a	4.0 a	4.3 ^{NS}	4.8 ab	4.4 ab	1.3 c	1.8 e	3.3 d	4.0 b	2.6 f	3.5 d
<i>Viola (Viola cornuta L. and V. hybrida)</i>											
<i>Viola – mix class</i>											
Penny Citrus Mix	4.8	4.0	4.3	4.3	4.4	5.0	4.3	5.3	5.8	5.1	4.7
<i>Viola – orange class</i>											
Penny Orange	4.8	3.5	3.0	3.5	3.5	2.8	4.0	3.5	4.0	3.6	3.5
<i>Viola – orange/purple class</i>											
Penny Orange Jump-Up	4.0	3.5	4.5	4.8	4.6	5.0	5.0	4.3	5.0	4.9	4.7
<i>Viola – blue, dark class</i>											
Penny Deep Blue	5.0 a	5.0 a	3.5	5.5	4.8 a	5.0	4.3	4.0	4.8	4.5	4.6
Princess Blue	4.0 b	3.5 b	3.5 ^{NS}	3.8 ^{NS}	3.7 b	4.3 ^{NS}	5.0 ^{NS}	4.5 ^{NS}	5.3 ^{NS}	4.8 ^{NS}	4.2 ^{NS}
<i>Viola – purple, dark; red-violet/white/yellow class</i>											
Gemini Purple White	3.5	4.8	5.3	6.3	5.0	3.3	4.0	4.0	5.0	4.1	4.5
<i>Viola – purple, dark; red-violet/yellow class</i>											
Princess Purple & Gold	5.0	5.3	5.3	6.0	5.4	4.3	5.3	4.8	5.8	5.0	5.2
<i>Viola –purple, light; red-violet/white class</i>											

Table 2. (Continued)

Cultivar	Foliage ratings					Flower rating					Overall rating
	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Feb 28	Mar 14	Mar 15	Mar 27	Avg.	Avg.
Penny Orchid Frost	5.8	4.8	5.0	5.8	5.3	5.8	5.0	5.0	5.3	5.3	5.3
	<i>Viola – purple, light; blue-violet/light violet class</i>										
Penny Porcelain	6.0	5.0	4.8	5.5	5.4	4.8	4.5	4.3	4.8	4.6	5.0
	<i>Viola – purple, light; blue-violet/yellow class</i>										
Princess Lavender Yellow	3.8	4.5	5.0	5.5	4.7	3.5	5.0	5.0	5.8	4.8	4.8
	<i>Viola – white class</i>										
Penny White	5.0	4.3	4.0	4.3	4.4	5.0	4.3	3.8	4.3	4.3	4.4
	<i>Pansy – white shades (cream) class</i>										
Princess Cream	4.3	3.8	4.0	4.5	4.2	4.8	5.5	4.8	5.8	5.2	4.7
	<i>Viola – yellow class</i>										
Princess Yellow	4.5	4.0	2.3	3.0	3.5	4.5	4.0	4.0	4.3	4.2	3.8
	<i>Viola – yellow/purple class</i>										
Gemini Purple Yellow	4.8	5.0	6.0	6.8 a	5.7	2.5 b	3.8 a	4.0 b	5.0	3.9 b	4.8
Penny Yellow Jump-Up	4.8	4.5	5.3	5.5 b	5.0	4.8 a	5.0 b	5.0 a	5.3	5.0 a	5.0
Sorbet Lemon Swirl	5.5 ^{NS}	4.8 ^{NS}	5.5 ^{NS}	5.5 b	5.4 ^{NS}	4.3 a	4.5 b	4.8 a	5.3 ^{NS}	4.7 a	5.0 ^{NS}