

Table 1. Height, width and flower diameter of alstroemeria, dianthus, helichrysum, snapdragon and wallflower grown at Bradenton, FL and grouped within classes according to species morphology and flower color. Seeds were sown 5-10 Oct. 2002 and plugs transplanted to ground beds on 27 and 29 Nov., and 21 Dec. (alstroemeria).

Cultivar	Seed Source	Plant measurements (cm) <sup>w</sup>			Flowering (days from sowing) <sup>x</sup>	
		Height	Width	Flower diam.	First flower	Divergence
<b>Alstroemeria (<i>A. × hybrida</i>) lily of the Incas</b>						
<i>Purple/rose/yellow class</i>						
Jazze Purple Rose	PanAmerican	35 <sup>y</sup>	32	6.0	180	8.8
<i>Rose/white/yellow class</i>						
Jazze Rose Frost	PanAmerican	35	30	5.4	173	15.3
<i>Rose/yellow class</i>						
Jazze Deep Rose	PanAmerican	35	31	5.7	171	17.8
<b>Dianthus (<i>D. chinensis</i> L.); China pink, rainbow pink</b>						
<i>Pink/red class</i>						
Super Parfait Strawberry	Goldsmith Seeds	13	21	4.2	84	24.0
<i>Purple, red violet/white/red class</i>						
Super Parfait Raspberry	Goldsmith Seeds	14	22	4.0	80	28.0

<sup>w</sup> 1.0 inch = 2.54 cm. Measurement dates: 21 Apr (alstroemeria); 30-31 Jan. (snapdragons); 2 Feb. (dianthus and viola); 15 Feb. (helichrysum, pansy and wallflower). Snapdragon: height (includes inflorescence) was divided into two classes based on expected height: dwarf (< 10 inches; 25.4 cm) and tall (> 10 inches).

<sup>x</sup> Flower data: first flower is the average number of days from seed sowing to the unfurling of the first flower. Divergence is the average number of days that lapse between the unfurling of the first flower and the last flower in plot or flat. Data was collected from 4 5-plant plots. No growth regulation was required for this crop.

<sup>y</sup> Mean separation within classes by LSD, P < 0.05.

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam.	First flower	Divergence
<b>Dianthus (<i>D. barbatus</i> L.); Sweet William</b>						
<i>Purple, blue violet class</i>						
Noverna Purple	Kieft Seeds	33	29	1.7	110	7.7
<i>Purple, red violet class</i>						
Heritage Purple	American Takii	26	29	1.9	95	7.7
<i>Red shades/tints class</i>						
Heritage Crimson	American Takii	30	29	1.9	100	13.3
<i>White class</i>						
Heritage White	American Takii	35	28	2.0	109	4.7
<b>Dianthus (interspecific hybrids)</b>						
<i>Dwarf – mixes class [<i>D. chinensis</i> (Linn.) X <i>D. Barbatus</i> (Linn.)]</i>						
Ideal Sweetheart Mix	PanAmerican Seed	20	29	3.3	61	17.7
<i>Dwarf – pink class [<i>Dianthus hybrida</i>]</i>						
Diamond Pink	Sakata Seed America	17	28	3.1	63	16.0
<i>Dwarf – purple, red-violet class [<i>Dianthus hybrida</i>]</i>						
Diamond Purple	Sakata Seed America	19	26	3.2	64	16.3
Ideal Violet	PanAmerican Seed	18 <sup>NS</sup>	24 <sup>NS</sup>	3.4 <sup>NS</sup>	59 <sup>NS</sup>	10.7 <sup>NS</sup>
<i>Dwarf – purple, red-violet/white class [<i>Dianthus hybrida</i>]</i>						
Ideal Violet Picotee	PanAmerican Seed	25	32	3.2	65	10.3

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam.	First flower	Divergence
<i>Dwarf – red [Dianthus hybrida]</i>						
Diamond Red	Sakata Seed America	19	25	2.9	83	10.7
<i>Dwarf – red/white [Dianthus hybrida]</i>						
Ideal Cherry Picotee	PanAmerican Seed	25 a	28a	3.1	66 b	10.0
Telstar Picotee	American Takii	21 b	23 b	3.1	87 a	11.3
Valentine	PanAmerican Seed	15 c	24 b	3.4 <sup>NS</sup>	69 b	8.0 <sup>NS</sup>
<i>Dwarf – red shades/tints [Dianthus hybrida]</i>						
Diamond Carmine Rose	Sakata Seed America	21 bc	28 bc	3.5 a	60 b	12.3
Diamond Coral	Sakata Seed America	24 a	32 a	3.4 a	80 a	15.3
Ideal Carmine	PanAmerican Seed	22 b	30 ab	3.3 a	60 b	9.7
Telstar Carmine Rose	American Takii	19 c	27 bc	3.1 ab	75 a	16.7
Telstar Crimson	American Takii	21 cb	26 c	2.7 b	83 a	15.3 <sup>NS</sup>
<i>Dwarf – white [Dianthus hybrida]</i>						
Ideal White	PanAmerican Seed	19	27	3.1	67	31.3
<i>Dwarf – white to pink color shift class [Dianthus hybrida]</i>						
Diamond Blush Pink	Sakata Seed America	20	28	3.1	68	17.7
<i>Tall – pink class [Dianthus interspecific]</i>						
Melody Pink	Sakata Seed America	47	33	3.1	103	5.7
<i>Tall – purple, red-violet class [Dianthus interspecific]</i>						
Bouquet Purple	PanAmerican Seed	44	36	3.0	105	5.7

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam.	First flower	Divergence
<i>Tall – white class [Dianthus interspecific]</i>						
Melody White	Sakata Seed America	45	42	2.5	68	33.0
<i>Tall – white to pink color shift class [Dianthus interspecific]</i>						
Melody Blush Pink	Sakata Seed America	49	39	2.8	79	28.0
<b>Helichrysum (<i>Helichrysum cassianum</i>); strawflower</b>						
<i>Rose shades class</i>						
Porcelain Rose Shades	American Takii	26	34	1.5	107	20.0
<b>Snapdragon (<i>Antirrhinum majus</i> L.)</b>						
<i>Dwarf – open flower, mixes class</i>						
Bells Mix	Goldsmith Seeds	20	27	----	79	21.0
<i>Dwarf – open flower, purple, light blue-violet class</i>						
Bells Frosty Lavender	Goldsmith Seeds	22	36	----	86	17.0
<i>Dwarf – open flower, white class</i>						
Bells White	Goldsmith Seeds	22	26	----	76	14.7
<i>Dwarf – standard flower, bronze class</i>						
Floral Showers Deep Bronze	Sakata Seed America	22	34	----	77	24.7
<i>Dwarf – standard flower, mixes class</i>						
Floral Carpet Mix	Sakata Seed America	26 a	35	----	104 a	10.0
Palette Formula Mix	American Takii	22 b	29 <sup>NS</sup>	----	69 b	28.3 <sup>NS</sup>

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam.	First flower	Divergence
<i>Dwarf – standard flower, yellow/orange shades/tints class</i>						
Floral Showers Apricot Bicolor	Sakata Seed America	18	22	---	80	26.7
<i>Dwarf – standard flower, orange/yellow class</i>						
Montego Orange Bicolor	Syngenta Seeds	24	37	---	98	7.3
<i>Dwarf – standard flower, purple, light blue-violet/white class</i>						
Floral Showers Lavender Bicolor	Sakata Seed America	17	30	---	76	10.0
<i>Dwarf – standard flower, purple, red-violet class</i>						
Floral Showers Lilac	Sakata Seed America	22 a	30 a	---	73 a	11.0
Floral Showers Purple	Sakata Seed America	20 b	30 a	---	77 a	16.7
Montego Purple	Syngenta Seeds	21 b	31 a	---	76 a	13.7
Palette Purple	American Takii	19 b	26 b	---	64 b	15.7 <sup>NS</sup>
<i>Dwarf – standard flower, purple, red-violet/white class</i>						
Floral Showers Fuchsia	Sakata Seed America	21	28	---	73	10.3
Floral Showers Wine Bicolor	Sakata Seed America	17 <sup>NS</sup>	29 <sup>NS</sup>	---	75 <sup>NS</sup>	18.3 <sup>NS</sup>
<i>Dwarf – standard flower, red class</i>						
Floral Showers Crimson	Sakata Seed America	18 b	32	---	75 b	11.3
Floral Showers Scarlet	Sakata Seed America	22 a	31	---	75 b	18.7
Montego Red	Syngenta Seeds	19 b	30 <sup>NS</sup>	---	84 a	13.0 <sup>NS</sup>

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam.	First flower	Divergence
<i>Dwarf – standard flower, red/white class</i>						
Floral Showers Coral Bicolor	Sakata Seed America	18	29	---	77	19.0
<i>Dwarf – standard flower, red/yellow class</i>						
Floral Showers Red & Yellow Bicolor	Sakata Seed America	17	30	---	75	17.7
<i>Dwarf – standard flower, rose class</i>						
Floral Showers Rose	Sakata Seed America	19 b	27 b	---	74 b	16.0 ab
Floral Showers Rose Pink	Sakata Seed America	24 a	37 a	---	89 a	13.3 b
Palette Rose Eye	American Takii	21 b	27 b	---	78 b	26.7 a
<i>Dwarf – standard flower, white class</i>						
Floral Showers White	Sakata Seed America	20	29	---	79	22.3
Montego White	Syngenta Seeds	21	29	---	80	25.3
Palette White	American Takii	20 <sup>NS</sup>	27 <sup>NS</sup>	---	79 <sup>NS</sup>	23.7 <sup>NS</sup>
<i>Dwarf – standard flower, yellow class</i>						
Floral Showers Yellow	Sakata Seed America	21	34 a	---	89 b	14.0
Montego Yellow	Syngenta Seeds	21	31 b	---	100 a	7.7
Palette Yellow	American Takii	19 <sup>NS</sup>	30 b	---	78 c	17.0 <sup>NS</sup>
<i>Tall – open flower, bronze class</i>						
La Bella Medium Bronze	Goldsmith Seeds	39	23	---	107	6.0

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam.	First flower	Divergence
<i>Tall – open flower, pink class</i>						
La Bella Light Pink	Goldsmith Seeds	40	27	----	106	6.3
<i>Tall – open flower, red class</i>						
La Bella Red	Goldsmith Seeds	41	25	----	110	5.3
<i>Tall – open flower, purple, red-violet class</i>						
La Bella Purple	Goldsmith Seeds	42	25	----	110	2.7
<i>Tall – standard flower, bronze class</i>						
Coronette Bronze	Syngenta Seeds	42	21	----	115 a	11.7
Sonnet Bronze	Sakata Seed America	45 <sup>NS</sup>	23 <sup>NS</sup>	----	107 b	6.7 <sup>NS</sup>
<i>Tall – standard flower, mixes class</i>						
Kim Mix	Floranova Plant Breeders	24 b	26 b	----	103	12.0
Solstice Mix	PanAmerican Seed	42 a	31 a	----	99 <sup>NS</sup>	9.7 <sup>NS</sup>
<i>Tall – standard flower, orange/yellow/white class</i>						
Solstice Orange Tricolor	PanAmerican Seed	42	32	----	105	2.0
<i>Tall – standard flower, pink class</i>						
Coronette Pink	Syngenta Seeds	41 ab	18 c	----	110 a	12.0
Freesong Pink	Bodger Seeds	41 ab	25 ab	----	102 b	7.0
Solstice Pink	PanAmerican Seed	38 b	28 a	----	101 b	6.3
Sonnet Pink	Sakata Seed America	45 a	23 b	----	105 ab	8.0 <sup>NS</sup>

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam.	First flower	Divergence
<i>Tall – standard flower, purple, blue-violet class</i>						
Liberty Classic Lavender	Goldsmith Seeds	48	23	---	114	5.7
<i>Tall – standard flower, purple, red-violet class</i>						
Coronette Orchid	Syngenta Seeds	44	23 b	---	112 a	7.3
Solstice Burgundy	PanAmerican Seed	40	33 a	---	96 b	9.3
Solstice Purple	PanAmerican Seed	42 <sup>NS</sup>	33 a	---	99 b	9.3 <sup>NS</sup>
<i>Tall – standard flower, red class</i>						
Coronette Cherry	Syngenta Seeds	40 ab	22 d	---	108 cd	7.7
Coronette Deep Red	Syngenta Seeds	44 a	22 d	---	113 ab	5.0
Crown Red	Syngenta Seeds	33 c	33 a	---	100 e	6.3
Crown Scarlet	Syngenta Seeds	41 ab	24 cd	---	111 bc	9.0
Freesong Cherry	Bodger Seeds	36 bc	28 b	---	109 cd	5.0
Freesong Scarlet	Bodger Seeds	36 bc	26 b	---	110 bcd	6.3
Liberty Classic Cherry	Goldsmith Seeds	39 ab	22 d	---	115 a	6.3
Sonnet Crimson	Sakata Seed America	44 a	26 bc	---	107 d	5.3 <sup>NS</sup>
<i>Tall – standard flower, rose class</i>						
Crown Rose Liberty Classic	Syngenta Seeds	31 b	36 a	---	104 b	5.3
Rose Pink	Goldsmith Seeds	43 a	25 b	---	115 a	20.0
Sonnet Rose	Sakata Seed America	44 a	27 b	---	101 b	7.3 <sup>NS</sup>
<i>Tall – standard flower, white class</i>						
Coronette White	Syngenta Seeds	42 a	21 b	---	108 a	4.3
Crown White	Syngenta Seeds	32 b	30 a	---	98 b	6.3
Liberty Classic White	Goldsmith Seeds	42 a	18 b	---	108 a	8.3
Sonnet White	Sakata Seed America	44 a	22 b	---	102 b	10.0 <sup>NS</sup>

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam.	First flower	Divergence
<i>Tall – standard flower, yellow class</i>						
Coronette Yellow	Syngenta Seeds	39 b	20 c	----	110 a	3.7
Crown Yellow	Syngenta Seeds	32 e	33 a	----	101 a	9.7
Freesong Yellow	Bodger Seeds	43 bc	26 b	----	106 ab	4.3
Liberty Classic Yellow	Goldsmith Seeds	45 b	20 c	----	111 a	5.3
Solstice Yellow	PanAmerican Seed	41 cd	31 a	----	98 c	6.7
Sonnet Yellow	Sakata Seed America	48 a	25 b	----	107 a	5.7 <sup>NS</sup>
<i>Tall – standard flower, yellow/red class</i>						
Crown Candy Corn	Syngenta Seeds	35	29	----	109	5.0
Wallflower ( <i>Cheiranthus cheiri</i> Linn.)						
<i>Yellow class</i>						
Charity Cream Yellow	American Takii	29	20	2.5	64	19.7
Charity Yellow	American Takii	32 <sup>NS</sup>	21 <sup>NS</sup>	2.4 <sup>NS</sup>	62 <sup>NS</sup>	19.7 <sup>NS</sup>