

Table 1. Height, width and flower diameter of assorted species grown in a saran-shaded or full sun field, sprayed on demand at Bradenton, FL, and grouped within classes according to plant type and height, foliage color, fruit color, and flower type and color. Asterisk (*) indicates value in a single observation for one surviving plot.

Cultivar	Seed Source	Plant measurements (cm) ^W			Flowering (days fr. sowing) ^X	
		Height	Width	Flower diam	First flower	Divergence
Abutilon (<i>A. × hybridum</i> Hort.); flowering maple or Chinese bell flower						
<i>Red shades/tints class</i>						
Bella Deep Coral	PanAmerican Seed	10 ^Y	16	6.1	57	11.3
Bella Red	PanAmerican Seed	10 ^{NS}	13 ^{NS}	6.7 ^{NS}	63 ^{NS}	12.0 ^{NS}
<i>Orange shades/tints class</i>						
Bella Apricot	PanAmerican Seed	10 b	15	5.8 a	66 a	7.8
Bella Salmon	PanAmerican Seed	13 a	15 ^{NS}	7.1 b	53 b	13.3 ^{NS}
Ageratum (<i>A. houstonianum</i> Mill.); Mexican ageratum; floss flower						
<i>Dwarf – pink shades/tints class</i>						
Hawaii Shell Pink	Bodger Seeds	13	22	---- ^Z	64	5.3
<i>Tall – blue class</i>						
Leilani Blue	Goldsmith Seeds	37	33	----	65	5.5
Alyssum [<i>Lobularia maritima</i> (L.) Desv.]; sweet alyssum						
<i>Purple – dark blue violet shades/tints class</i>						
Wonderland Deep Purple	Bodger Seeds	6	11	----	28	3.8

^W 1.0 inch = 2.54 cm. Data taken in sprayed field on the following dates: 27 June (begonia); 8-9 May (sunflower); 22 May (tithonia); 16 April (marigold, ornamental basil, melampodium, and zinnia); 20 April (alyssum); 30 April (celosia, nierembergia, portulaca, salvia, torenia, and verbena); 1 May (abutilon, ageratum, dianthus, gazania, and phlox); 9 May (lobelia, osteospermum, platycodon, and rudbeckia); 1 Aug. (ornamental peppers).

^X 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 four plots containing 5 (sunflower and tithonia) or 6-plants/plot. No growth regulation was required for these crops.

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

^Z No data taken for flower diameter or fruit size for these species: ageratum, alyssum, basil, or ornamental pepper.

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days fr. sowing)	
		Height	Width	Flower diam	First flower	Divergence
<i>Purple – light blue violet shades/tints class</i>						
Wonderland Lavender	Bodger Seeds	5	12	----	30	5.8
Basil, ornamental (<i>Ocimum basilicum</i> L.) <i>Purple/cream w/green leaf class</i>						
Magical Michael	PanAmerican Seed	31	31	----	77	6.0
Begonia, angel-wing leaf (<i>B. × hybrida</i> Hort.) <i>Pink class</i>						
Dragon Wing Pink	PanAmerican Seed	21	36	3.5	110	12.0
Begonia, fibrous rooted (<i>B. x semperflorens-cultorum</i> Hort.) <i>Red w/green leaf class</i>						
Olympia Sprint Red	Ernst Benary of America	17	22	3.4	76	11.0
<i>Rose w/green leaf class</i>						
Olympia Sprint Rose	Ernst Benary of America	16	25	3.6	78	10.7
<i>White w/green leaf class</i>						
Olympia Sprint White	Ernst Benary of America	17	23	3.3	74	17.0
Celosia (<i>C. argentea</i> L. var. <i>cristata</i> (L.) Kuntze Childsii Group); braincoral cockscomb <i>Red shades/tints w/bronze leaf class</i>						
Prestige Scarlet	Sakata Seed America	19	28	5.4	38	----

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days fr. sowing)	
		Height	Width	Flower diam	First flower	Divergence
Dianthus – interspecific hybrids						
<i>Tall – white to pink color shift class [D. chinensis (Linn.) X D. barbatus (Linn.)]</i>						
First Love	Ball Seed	27	18	2.9	60	8.5
<i>Tall – pink class (D. interspecific)</i>						
Melody Pink	Sakata Seed America	36	21	2.8	64	7.0
<i>Tall – white class (D. interspecific)</i>						
Melody White	Sakata Seed America	30	21	2.5	54	18.5
Gazania [G. rigens (L.) Gaertn. (syn. G. splendens Hort.)]; treasure flower						
<i>Bronze class</i>						
Kiss Bronze	Goldsmith Seeds	8	20	5.2	54	8.8
<i>Bronze to yellow class</i>						
Kiss Bronze Star	Goldsmith Seeds	8	21	5.1	53	8.3
<i>Mixes class</i>						
Kiss Mixture	Goldsmith Seeds	9	21	6.1	59	10.8
<i>Orange class</i>						
Kiss Orange	Goldsmith Seeds	9	21	6.0	58	12.0
<i>Rose to white class</i>						
Kiss Rose	Goldsmith Seeds	9	20	5.4	55	11.0

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days fr. sowing)	
		Height	Width	Flower diam	First flower	Divergence
<i>White class</i>						
Kiss White	Goldsmith Seeds	9	21	5.3	58	13.3
<i>Yellow class</i>						
Kiss Yellow	Goldsmith Seeds	10	21	5.5	56	10.3
<i>Yellow shades/tints class</i>						
Kiss Golden Yellow	Goldsmith Seeds	9	19	5.6	60	11.5
Lobelia interspecific hybrids (<i>L. speciosa</i> Sweet; hybrids of <i>L. fulgens</i> Willd., <i>L. cardinalis</i> Linn., and <i>L. siphilitica</i> Linn.)						
<i>Purple – dark red violet class</i>						
Fan Burgundy	Ernst Benary of America	7	18	----	142	----
Lobelia (<i>L. erinus</i> Linn.); trailing/edging lobelia <i>Purple – blue violet shades/tints class</i>						
Palace Lilac	Bodger Seeds	8	12	1.4	63	12.5
<i>Blue shades/tints class</i>						
Palace Sky Blue	Bodger Seeds	9	14	1.3	56	9.5
Marigold (<i>Tagetes erecta</i> Linn.); African marigold <i>Mixes class</i>						
Atlantis Mixture	Bodger Seeds	24	26	6.4	53	11.8
Inca II Mix	Goldsmith Seeds	25 ^{NS}	26 ^{NS}	7.3 ^{NS}	47 ^{NS}	6.8 ^{NS}

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days fr. sowing)	
		Height	Width	Flower diam	First flower	Divergence
Marigold (<i>Tagetes patula</i> Linn.); French marigold						
<i>Dwarf – double gold class</i>						
Bonanza Gold	PanAmerican Seed	22	28	5.0	38	7.8
<i>Dwarf – double orange class</i>						
Bonanza Orange	PanAmerican Seed	26	30	5.0	37	5.8
<i>Dwarf – double orange shades/tints class</i>						
Safari Tangerine	Bodger Seeds	28	33	5.6	44	5.5
<i>Dwarf – double red/gold class</i>						
Safari Red	Bodger Seeds	27	30	5.2	48	6.3
<i>Dwarf – double yellow class</i>						
Safari Yellow	Bodger Seeds	25	29	5.7	45	7.0
Melampodium (<i>M. paludosum</i> H.B. & K.)						
<i>Gold class</i>						
Million Gold	American Takii	16	22	2.6	65	6.0
Nierembergia (<i>N. caerulea</i> Gillies ex Miers); cupflower						
<i>White class</i>						
Mont Blanc	American Takii	12	32	2.4	57	15.8
Ornamental Pepper (<i>Capsicum annuum</i> Linn.)						
<i>Yellow to orange to red w/green leaf class</i>						
Chilly Chili	PanAmerican Seed	18	21	----	58	3.3

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days fr. sowing)	
		Height	Width	Flower diam	First flower	Divergence
<i>Dwarf – Yellow to orange to red fruit w/green leaf class</i>						
Explosive Blast	Syngenta Seeds	11	19	----	61 a	9.0
Explosive Ignite	Syngenta Seeds	11 ^{NS}	24 ^{NS}	----	54 b	6.0 ^{NS}
<i>Purple to red fruit w/purple leaf class</i>						
Explosive Ember	Syngenta Seeds	22	22	----	62	4.3
Osteospermum (<i>O. ecklonis</i> (DC.) Norlindh); African daisy <i>Mixes class</i>						
Passion Mix	American Takii	19	25	5.6	81	7.5
Phlox (<i>P. drummondii</i> Hook.); annual phlox <i>Mixes class</i>						
Patriot Mix	Ball Seed	16	28	2.5	59	14.3
Platycodon (<i>Platycodon grandiflorum</i> A.DC.); balloonflower <i>Double – blue class</i>						
Astra Semi-double Blue	Daehnfeldt	9	11	5.8	97*	2.0*
<i>Pink class</i>						
Astra Pink	Daehnfeldt	10	12	4.4	102	2.5
<i>White class</i>						
Astra White	Daehnfeldt	11	13	6.6	90	11.3

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days fr. sowing)	
		Height	Width	Flower diam	First flower	Divergence
Portulaca (<i>P. grandiflora</i> Hook.); moss rose <i>Orange shades/tints class</i>						
Sundial Peach	Bodger Seeds	8	30	5.3	39	4.8
Rudbeckia (<i>R. hirta</i> Linn.); black-eyed Susan <i>Mixes class</i>						
Becky Mix	American Takii	14	29	9.7	95	18.5
Salvia (<i>S. splendens</i> Ker-Gawl.); scarlet sage <i>Dwarf – red/green class</i>						
Sangria	American Takii	25	17	4.6	60	4.8
Sunflower (<i>Helianthus annuus</i> Linn.) <i>Medium – double; yellow/brown class</i>						
Lemon Éclair	Ball Seed	86	53	15.9	54	4.5
<i>Medium – double; yellow/green class</i>						
Starburst Aura	Ball Seed	74	48	17.0	33	3.5
<i>Medium – dark red class</i>						
Chianti	Ball Seed	118	47	13.2	56	10.0
<i>Medium – orange class</i>						
Dorado	Ball Seed	77	60	21.8	50	12.0
<i>Tall – red/gold class</i>						
Sundown	Ball Seed	144	75	18.9	60	5.8

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days fr. sowing)	
		Height	Width	Flower diam	First flower	Divergence
Tithonia (<i>T. rotundifolia</i> S.F.Blake); Mexican sunflower						
<i>Dwarf – orange class</i>						
Fiesta Del Sol	Ernst Benary of America	43	45	6.6	44	4.4
Torenia (<i>T. fournieri</i> Linden ex Fourn.); bluewings or wishbone flower						
<i>Purple – dark blue violet/white class</i>						
Duchess Burgundy	Ernst Benary of America	17	21	2.6	56	6.5
Verbena (<i>Verbena x hybrida</i> Groenl. & Ruempl.); garden verbena						
<i>Mixes class</i>						
Crystal Ball Mix	Ball Seed	20 b	31 b	5.7 a	53 a	13.5
Quartz Waterfall Mix	PanAmerican Seed	17 b	28 b	5.5 a	50 b	10.5
Serenity Mix	American Takii	29 a	61 a	3.6 b	49 b	10.5
<i>Red/white class</i>						
Quartz Red Eye	PanAmerican Seed	18	30	5.5	51	8.5
Zinnia (<i>Z. angustifolia</i> H.B. & K.); narrow leaved zinnia						
<i>White class</i>						
Crystal White	American Takii	14	25	3.0	45	10.3
Zinnia (<i>Z. elegans</i> Sesse & Moc.); garden zinnia						
<i>Gold class</i>						
Sun Gold	Sakata Seed America	33	36	9.9	42	6.3
<i>Mixes class</i>						
Sun Mix	Sakata Seed America	37	40	9.9	41	7.3

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days fr. sowing)	
		Height	Width	Flower diam	First flower	Divergence
<i>Red class</i>						
Sun Red	Sakata Seed America	41	40	10.3	46	6.3
Zinnia – interspecific hybrids (<i>Z. hybrida</i> Hort.Par.ex Poir.); narrow leaf zinnia x garden zinnia						
<i>Red shades/tints class</i>						
Profusion Cherry	Sakata Seed America	15	25	4.9	55	2.5
<i>Orange class</i>						
Profusion Orange	Sakata Seed America	14	26	5.0	53	4.0
<i>White class</i>						
Profusion White	Sakata Seed America	15	25	4.6	53	3.5