

Table 1. Statistical means for height, width and flower diameter of marigold cultivars grouped within classes grown at Bradenton, Fla. Seeds were planted 16 Aug. 2000 and plugs transplanted to ground beds 25 Sept. 2000.

Cultivar	Seed Source	Plant measurements (cm) ^x			Flowering (days from sowing) ^y	
		Height	Width	Flower diam	First flower	Divergence
<i>African – gold class</i>						
Gold Lady	PanAmerican	41 a ^z	34	7.3 b	59 a	2.5
Marvel Gold	PanAmerican	37 b	33	7.5 b	58 b	6.0
Royal Gold	PanAmerican	38 b	35 ^{NS}	8.2 a	58 b	2.5 ^{NS}
<i>African – orange class</i>						
Orange Lady	PanAmerican	33 b	31	6.5 b	54	3.8
Marvel Orange	PanAmerican	38 a	33	6.7 b	54	8.3
Royal Orange	PanAmerican	36 ab	34 ^{NS}	8.1 a	56 ^{NS}	5.3 ^{NS}
<i>African – white</i>						
Sweet Cream	PanAmerican	34	37	6.0	54	6.5

^x 1.0 inch = 2.54 cm.

^y 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. This data was taken in the field (3-6 plant plots) African marigolds, and in the flat (48 plants/cultivar/flat) for French marigolds. Weather conditions resulted in delay of bed preparation and flowering in the flat for French marigolds; growth regulation required the application of 1500 mg·L⁻¹ Cycocel + 2500 mg·L⁻¹ B-nine on 15 and 22 Sept on transplants in flats.

^z 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
<i>African – yellow class</i>						
First Lady	PanAmerican	39 a	32	7.1 bc	61 b	3.0
Primrose Lady	PanAmerican	37 b	35	7.0 c	62 a	2.8
Marvel Yellow	PanAmerican	34 c	34	7.4 b	58 c	2.0
Royal Lady	PanAmerican	38 ab	36 ^{NS}	7.7 a	59 c	2.8 ^{NS}
<i>French dwarf – double gold class</i>						
Bonanza Gold	PanAmerican	27	34	5.1 a	31	19
Golden Boy	PanAmerican	32 ^{NS}	34 ^{NS}	3.7 b	37	24
<i>French dwarf – double orange class</i>						
Bonanza Orange	PanAmerican	32 a	37 a	6.1 a	33	24
Bounty Orange	Sakata	21 c	34 a	4.3 c	28	41
Orange Boy	PanAmerican	27 b	31 c	3.8 d	54	6
Orange Jacket	PanAmerican	29 b	35 b	4.4 c	31	30
Orange Gate	PanAmerican	28 b	33 bc	5.7 b	31	31
<i>French dwarf – double yellow class</i>						
Bonanza Yellow	PanAmerican	29 a	38 a	5.4 a	30	30
Bounty Yellow	Sakata	26 b	34 ab	4.8 b	32	19

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam	First flower	Divergence
Yellow Boy	PanAmerican	26 b	31 b	4.0 c	35	28
Yellow Jacket	PanAmerican	30 a	39 a	4.3 c	35	27
Yellow Gate	PanAmerican	26 b	34 ab	5.5 a	17	49
<i>French dwarf – double gold/red class</i>						
Bonanza Bolero	PanAmerican	23	31	6.0 a	26	16
Bounty Spry	Sakata	21 ^{NS}	31 ^{NS}	4.2 b	32	14
<i>French dwarf – double orange/red class</i>						
Harmony Boy	PanAmerican	27	34	3.9	50	8
<i>French dwarf – double red/gold class</i>						
Golden Gate	PanAmerican	32	37	5.4	35	16
<i>French dwarf – double red/yellow class</i>						
Bonanza Bee	PanAmerican	25 a	33 a	5.3 a	30	12
Bonanza Flame	PanAmerican	26 a	32 a	5.1 a	31	13
Little Devil Fire	PanAmerican	17 b	26 b	4.2 b	31	24

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam	First flower	Divergence
		<i>French dwarf – double yellow/red class</i>				
Spry Boy	PanAmerican	28	35	3.9	50	10
		<i>French dwarf – single gold/red class</i>				
Granada	PanAmerican	26	33	4.6	51	13
		<i>French dwarf – single red/orange class</i>				
Red Marietta	PanAmerican	31	33	4.5	51	16
		<i>French – double gold class</i>				
Durango Gold	PanAmerican	33	37	6.5	52	10
		<i>French – double orange class</i>				
Durango Orange	PanAmerican	29	35	6.1	33	22
		<i>French – double yellow class</i>				
Durango Light Yellow	PanAmerican	35 a	38	5.9	23	38
Durango Yellow	PanAmerican	27 b	34 ^{NS}	5.4 ^{NS}	31	21

Table 1. Continued.

Cultivar	Seed Source	Plant measurements (cm)			Flowering (days from sowing)	
		Height	Width	Flower diam	First flower	Divergence
<i>French – double red/yellow</i>						
Durango Bee	PanAmerican	26 b	32 ab	5.4 bc	46	18
Durango Flame	PanAmerican	26 bc	31 ab	5.9 a	47	18
Durango Red	PanAmerican	24 c	30 b	5.5 ab	24	47
Honeycomb	PanAmerican	32 a	34 a	5.0 c	61	6