

Table 1. Seedling characteristics, cut stem vegetative and flower attributes, and postharvest performance of 47 cultivars of cut lisianthus grown at Bradenton, FL. Seeds were planted 15 Dec.^z 1998, and plugs transplanted to ground beds 24 Feb. 1999.

Cultivar	Seedling characteristics			Days to flower (no.)	Plant ht (cm) ^y	Stem wt (g) ^u	Cut stem attributes				Vase life (days)	Postharvest	
	Rosette (%)	Seedling diam (cm ± SD)	Root ^y rating (value ± SD)				Stem thickness (mm) ^t	Flowers/stem (no.)	Flower diam (cm)	Petals/flower (no.)		Bud ^x rating (5 = best)	Total ^w rank sum
<i>Large, blue/purple, single flowers</i>													
Bridal Marine	20	8.1 ± 7.0	3.6 ± 0.5	154	101	73	7.1	13	9.8	5	15	3.2	40.5
Bridal Ocean	18	4.6 ± 0.5	1.8 ± 0.4	162	129	49	6.7	10	9.0	5	21	4.0	28.0
Flamenco Blue	10	7.8 ± 0.7	3.6 ± 0.5	154	113	65	6.3	12	9.1	5	17	3.6	37.0
Malibu Deep Blue	23	7.3 ± 1.1	2.7 ± 0.5	148	109	58	6.7	12	11.1	5	18	3.6	39.0
Malibu Purple	4	9.3 ± 1.0	3.8 ± 0.8	145	101	68	6.7	11	11.8	5	21	3.6	47.0
Ventura Purple	13	7.2 ± 0.7	2.6 ± 0.5	143	94	63	6.5	12	9.6	5	22	4.0	37.5
<i>Large, picotee/blush, single flowers</i>													
Flamenco Blue Rim	28	6.8 ± 1.8	3.0 ± 0.7	150	116	51	6.2	9	10.9	5	16	2.8	28.0
Heidi Pastel Blue Imp.	17	5.9 ± 1.1	2.9 ± 0.7	153	94	74	7.6	13	9.5	5	18	4.8	41.5
Laguna Blue Blush	23	5.8 ± 1.1	2.5 ± 0.5	157	118	73	7.2	14	10.4	5	17	3.4	36.5
Malibu Blue Blush	11	7.3 ± 0.7	2.5 ± 0.7	147	103	59	6.7	13	9.8	5	18	4.2	42.0
Mellow Purple Picotee	7	8.5 ± 0.6	3.4 ± 0.5	156	119	53	6.6	11	9.0	5	18	3.6	41.5
Ventura Blue Blush	9	7.3 ± 0.8	2.0 ± 0.7	147	101	62	6.8	11	10.2	5	19	3.5	41.5
<i>Small, blue/purple, single flowers</i>													
Alice Purple	6	8.6 ± 1.0	3.7 ± 0.7	153	104	50	6.3	10	7.4	5	21	3.4	18.5
Tyrol Blue	17	7.4 ± 0.8	3.0 ± 0.5	153	102	66	6.0	12	8.4	5	17	3.8	14.5
<i>Blue/purple, double flowers</i>													
Avila Purple	0	7.5 ± 1.0	2.3 ± 0.6	152	112	61	6.3	10	10.0	20	13	3.3	24.0
Balboa Blue	19	7.1 ± 0.9	2.5 ± 0.5	156	116	85	7.6	18	9.5	13	16	2.2	24.5
Echo Blue	8	8.6 ± 0.6	4.4 ± 0.5	154	126	65	7.0	13	8.8	13	11	1.6	23.5
<i>Picotee/blush, double flowers</i>													
Avila Blue Rim	11	6.3 ± 0.5	2.7 ± 0.5	148	102	81	7.4	12	10.1	14	16	4.0	44.0
Balboa Blue Rim	22	5.0 ± 0.6	2.2 ± 0.4	155	114	70	7.2	13	8.6	13	20	3.7	28.5
Balboa Blue Blush	14	5.3 ± 0.7	1.8 ± 0.6	152	116	39	5.4	8	9.9	12	14	3.8	27.0
Catalina Blue Blush	5	9.2 ± 0.6	3.4 ± 0.7	155	114	80	7.0	13	9.7	9	15	4.0	38.0
Mariachi Misty Blue	32	5.9 ± 0.9	3.0 ± 0.5	153	113	87	7.3	15	9.1	24	16	4.2	42.5
<i>Large, pink, single flowers</i>													
Malibu Lilac	20	6.4 ± 0.9	2.6 ± 0.5	153	108	60	6.4	12	9.1	5	24	3.0	23.0
Royal Rose Lavender	20	6.4 ± 0.5	2.5 ± 0.5	148	104	77	7.8	15	10.5	5	21	3.4	36.5
Bridal Salmon Pink	25	7.0 ± 1.0	3.1 ± 0.9	158	104	65	7.3	13	9.9	5	20	4.0	29.5
Mellow Pink	8	7.4 ± 0.5	2.8 ± 0.4	151	103	72	7.6	14	9.4	5	23	4.2	39.5
Heidi Cherry Blossom	11	8.2 ± 0.6	4.7 ± 0.5	138	96	72	6.7	16	9.3	5	19	3.8	36.5

Cultivar	Seedling characteristics			Cut stem attributes							Postharvest		Total ^w rank sum
	Rosette (%)	Seedling diam (cm ± SD)	Root ^y rating (value ± SD)	Days to flower (no.)	Plant ht (cm) ^y	Stem wt (g) ^u	Stem thickness (mm) ^l	Flowers/ stem (no.)	Flower diam (cm)	Petals/ flower (no.)	Vase life (days)	Bud ^x rating (5 = best)	
	<i>Large, red, single flowers</i>												
Heidi Wine Red	35	4.2 ± 0.5	2.7 ± 0.5	161	96	55	5.8	9	8.8	5	22	2.0	12.0
Flamenco Red	29	4.5 ± 0.3	2.2 ± 0.6	159	103	67	7.4	13	9.5	5	23	2.8	21.0
	<i>Large, pink/picotée, single flowers</i>												
Flamenco Pink Rim	27	6.4 ± 0.8	3.1 ± 0.3	143	114	62	6.8	11	10.5	5	18	3.6	17.5
Flamenco Rose Rim	24	5.8 ± 0.8	1.9 ± 0.7	153	98	70	6.6	12	10.3	5	18	4.0	15.5
	<i>Small, pink, single flowers</i>												
Alice Pink	1	8.6 ± 0.8	3.7 ± 0.7	151	105	51	6.2	10	7.5	5	27	3.6	17.5
Tyrol Rose	24	6.4 ± 0.7	3.2 ± 0.4	157	113	65	6.8	11	9.8	5	16	3.6	15.5
	<i>Pink, double flowers</i>												
Avila Rose	3	7.2 ± 0.7	3.1 ± 0.6	151	99	62	6.3	9	9.8	28	24	3.1	32.5
Echo Pink	18	6.3 ± 1.0	3.6 ± 0.7	155	109	69	6.5	12	8.9	11	18	3.2	32.5
Echo Lilac Rose	23	7.4 ± 0.8	3.9 ± 0.7	143	109	43	5.6	9	9.0	9	16	2.6	26.0
Mariachi Pink	29	5.6 ± 1.0	3.4 ± 0.7	153	115	60	6.4	10	9.6	25	15	3.4	29.0
	<i>Large, yellow/green/white, single flowers</i>												
Mellow Yellow	24	5.9 ± 1.0	1.9 ± 0.6	155	119	64	6.8	13	10.3	5	18	3.8	---
Heidi Lime Green	21	6.3 ± 0.7	3.1 ± 0.6	155	111	56	5.5	14	9.3	5	14	4.4	---
Heidi White	27	6.3 ± 0.7	2.7 ± 0.5	150	99	73	7.3	13	10.3	5	16	5.0	---
	<i>Small, white, single flowers</i>												
Alice White	8	8.8 ± 0.8	3.7 ± 0.7	151	102	54	6.2	11	8.0	5	31	3.4	20.0
Tyrol White	28	7.6 ± 0.8	3.0 ± 0.0	152	101	45	5.5	10	7.7	5	18	5.0	13.0
	<i>White, double flowers</i>												
Echo Pure White	22	8.9 ± 0.9	3.8 ± 0.8	158	108	53	6.1	11	9.7	13	18	4.0	23.5
Mariachi White	11	6.9 ± 0.8	3.0 ± 0.7	162	110	78	6.5	14	9.0	20	16	4.0	24.0
Avila Ivory	7	8.9 ± 0.6	3.4 ± 0.7	153	98	74	7.4	13	9.1	11	16	3.8	21.5
	<i>Yellow/green, double flowers</i>												
Catalina Yellow	18	7.8 ± 0.8	2.7 ± 0.5	156	111	84	7.1	15	9.6	11	10	5.0	---
Mariachi Lime Green	8	7.8 ± 0.6	3.9 ± 0.6	162	110	67	6.3	12	8.6	16	13	4.8	---
LSD _{0.05}				3	9	15	0.8	3	0.7	1	5	1.1	---