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Supplementary Table 1 Effect of cold storage media on sprouting percentage and subsequent flowering phenology of gladiolus varieties

Variety	Medium			
	M ₀	M ₁	M ₂	Mean (Varieties)
% sprout in storage				
V ₁	0.24 ^{kl} ± 0.01	2.18 ^h ± 0.08	1.74 ⁱ ± 0.04	1.39 ^D ± 0.88
V ₂	5.32 ^f ± 0.09	17.80 ^b ± 0.55	8.99 ^d ± 0.35	10.70 ^A ± 5.56
V ₃	0.12 ^l ± 0.01	1.18 ^j ± 0.02	0.63 ^k ± 0.02	0.64 ^E ± 0.46
V ₄	2.84 ^g ± 0.11	16.03 ^c ± 0.19	6.07 ^e ± 0.12	8.31 ^C ± 5.96
V ₅	1.13 ^j ± 0.01	19.31 ^a ± 0.54	6.14 ^e ± 0.24	8.86 ^B ± 8.14
Mean (Media)	1.93 ^C ± 2.02	11.30 ^A ± 8.21	4.71 ^B ± 3.20	
LSD (<i>p</i> ≤0.05)	V = 0.229	M = 0.177	V × M = 0.396	
% sprout in field				
V ₁	82.94 ^{ef} ± 2.00	77.51 ^g ± 0.07	81.06 ^{fg} ± 1.83	80.50 ^C ± 2.75
V ₂	84.29 ^{ef} ± 3.27	80.75 ^{fg} ± 1.38	88.68 ^{bcd} ± 3.60	84.57 ^B ± 4.27
V ₃	86.29 ^{de} ± 2.96	86.70 ^{cde} ± 0.78	90.75 ^{abc} ± 3.52	87.91 ^A ± 3.16
V ₄	92.37 ^{ab} ± 3.16	83.50 ^{ef} ± 0.23	93.97 ^a ± 4.07	89.95 ^A ± 5.52
V ₅	91.20 ^{ab} ± 1.73	83.35 ^{ef} ± 1.84	94.09 ^a ± 1.19	89.55 ^A ± 5.01
Mean (Media)	87.42 ^B ± 4.49	82.36 ^C ± 3.31	89.71 ^A ± 5.58	
LSD (<i>p</i> ≤0.05)	V = 2.345	M = 1.816	V × M = 4.061	
Days to spike emergence				
V ₁	97.86 ^a ± 3.01	90.25 ^c ± 0.98	94.88 ^b ± 1.37	94.33 ^A ± 3.74
V ₂	64.25 ^g ± 1.74	59.95 ^h ± 1.84	62.75 ^g ± 2.72	62.32 ^E ± 2.65
V ₃	87.65 ^c ± 1.34	79.35 ^e ± 1.22	84.25 ^d ± 1.52	83.75 ^B ± 3.80
V ₄	64.75 ^g ± 1.46	70.50 ^f ± 2.03	64.75 ^g ± 0.53	66.67 ^D ± 3.15
V ₅	71.25 ^f ± 0.00	71.75 ^f ± 0.64	70.75 ^f ± 0.77	71.25 ^C ± 0.66
Mean (Media)	77.15 ^A ± 13.92	74.36 ^B ± 10.49	75.48 ^B ± 12.77	
LSD (<i>p</i> ≤0.05)	V = 1.548	M = 1.199	V × M = 2.681	
Days to 1st floret open				
V ₁	115.67 ^a ± 1.48	102.75 ^c ± 4.35	108.65 ^b ± 4.21	109.02 ^A ± 6.41
V ₂	78.34 ^{ij} ± 1.48	74.35 ^k ± 2.28	75.38 ^{ik} ± 1.22	76.02 ^E ± 2.33
V ₃	102.38 ^{cd} ± 3.41	93.55 ^e ± 1.27	98.67 ^d ± 1.60	98.20 ^B ± 4.32
V ₄	80.15 ^{ghi} ± 1.59	82.36 ^{fgh} ± 0.59	79.35 ^{hi} ± 3.29	80.62 ^D ± 2.29
V ₅	84.25 ^f ± 1.67	82.34 ^{fgh} ± 0.74	83.45 ^{fg} ± 1.35	83.35 ^C ± 1.41
Mean (Media)	92.16 ^A ± 15.14	87.07 ^C ± 10.47	89.10 ^B ± 13.19	
LSD (<i>p</i> ≤0.05)	V = 2.257	M = 1.749	V × M = 3.910	

Values are mean ± SEM. Means followed by the same letter(s) within a column (lowercase) or for main effects across row/column (uppercase) do not differ significantly at *p* ≤ 0.05 (Fisher's LSD). V, Variety; M, Medium.

Treatment details are given under Materials and Methods.



Supplementary Table 2 Effect of cold storage media on floral attributes and plant height of gladiolus varieties

Variety	Medium			
	M ₀	M ₁	M ₂	Mean (Varieties)
No. of florets/spike				
V ₁	12.15 ^{cd} ± 0.47	14.24 ^a ± 0.06	13.28 ^b ± 0.20	13.22 ^A ± 0.94
V ₂	12.27 ^c ± 0.27	13.58 ^b ± 0.25	13.67 ^b ± 0.35	13.17 ^{AB} ± 0.72
V ₃	11.72 ^{de} ± 0.05	14.39 ^a ± 0.54	12.56 ^c ± 0.01	12.89 ^B ± 1.21
V ₄	9.37 ^g ± 0.17	8.46 ^h ± 0.28	11.37 ^e ± 0.16	9.73 ^C ± 1.30
V ₅	7.24 ⁱ ± 0.20	12.38 ^c ± 0.52	10.42 ^f ± 0.41	10.01 ^C ± 2.27
Mean (Media)	10.55 ^C ± 2.04	12.61 ^A ± 2.29	12.26 ^B ± 1.27	
LSD ($p \leq 0.05$)	V = 0.297	M = 0.230	V × M = 0.514	
Floret longevity				
V ₁	2.58 ⁱ ± 0.04	3.24 ^h ± 0.01	3.92 ^e ± 0.16	3.25 ^E ± 0.59
V ₂	3.75 ^f ± 0.04	3.98 ^e ± 0.05	4.65 ^d ± 0.03	4.13 ^B ± 0.41
V ₃	2.73 ⁱ ± 0.02	3.68 ^f ± 0.01	4.99 ^c ± 0.10	3.80 ^D ± 0.98
V ₄	3.26 ^{gh} ± 0.10	3.35 ^{gh} ± 0.05	5.33 ^b ± 0.23	3.98 ^C ± 1.02
V ₅	3.42 ^g ± 0.08	4.50 ^d ± 0.05	5.66 ^a ± 0.18	4.53 ^A ± 0.98
Mean (Media)	3.15 ^C ± 0.45	3.75 ^B ± 0.47	4.91 ^A ± 0.63	
LSD ($p \leq 0.05$)	V = 0.095	M = 0.074	V × M = 0.165	
Rachis length (cm)				
V ₁	34.56 ^{cd} ± 0.44	27.24 ^h ± 0.27	28.72 ^{fg} ± 0.05	30.17 ^C ± 3.36
V ₂	29.58 ^f ± 0.27	31.54 ^e ± 0.28	36.24 ^b ± 1.11	32.45 ^A ± 3.02
V ₃	28.28 ^{gh} ± 0.94	35.67 ^{bc} ± 0.68	34.38 ^d ± 1.15	32.78 ^A ± 3.52
V ₄	25.37 ⁱ ± 0.25	19.15 ^j ± 0.29	27.49 ^h ± 1.17	24.00 ^D ± 3.80
V ₅	28.73 ^{fg} ± 1.09	27.48 ^h ± 0.62	37.65 ^a ± 0.07	31.29 ^B ± 4.84
Mean (Media)	29.30 ^B ± 3.15	28.22 ^C ± 5.69	32.90 ^A ± 4.27	
LSD ($p \leq 0.05$)	V = 0.676	M = 0.523	V × M = 1.170	
Spike length (cm)				
V ₁	65.15 ^g ± 0.42	67.26 ^{fg} ± 0.49	70.85 ^{de} ± 1.47	67.75 ^{BC} ± 2.62
V ₂	52.34 ⁱ ± 0.57	71.36 ^{cd} ± 1.54	76.28 ^b ± 2.82	66.66 ^C ± 11.07
V ₃	60.82 ^h ± 0.71	72.46 ^{cd} ± 2.55	73.92 ^{bc} ± 1.60	69.07 ^B ± 6.41
V ₄	58.63 ^h ± 0.26	45.62 ^j ± 0.95	58.59 ^h ± 2.32	54.28 ^D ± 6.62
V ₅	68.15 ^{ef} ± 1.90	66.14 ^{fg} ± 2.18	79.25 ^a ± 3.07	71.18 ^A ± 6.47
Mean (Media)	61.02 ^C ± 5.71	64.57 ^B ± 10.22	71.78 ^A ± 7.66	
LSD ($p \leq 0.05$)	V = 1.703	M = 1.319	V × M = 2.950	
Plant height (cm)				
V ₁	81.27 ^{fg} ± 2.78	82.28 ^{def} ± 1.19	87.25 ^{bc} ± 2.28	83.60 ^A ± 3.36
V ₂	67.75 ⁱ ± 2.99	84.75 ^{cde} ± 3.44	89.39 ^{ab} ± 2.42	80.63 ^B ± 10.20
V ₃	74.25 ^h ± 1.21	85.56 ^{cd} ± 2.78	87.75 ^{abc} ± 1.82	82.52 ^{AB} ± 6.52
V ₄	71.25 ^h ± 0.90	58.58 ^j ± 1.58	72.53 ^h ± 1.90	67.45 ^C ± 6.81
V ₅	81.85 ^{efg} ± 1.62	78.72 ^g ± 1.35	90.75 ^a ± 0.41	83.77 ^A ± 5.51
Mean (Media)	75.27 ^C ± 5.99	77.98 ^B ± 10.51	85.53 ^A ± 7.04	
LSD ($p \leq 0.05$)	V = 2.004	M = 1.552	V × M = 3.471	

Values are mean ± SEm. Means followed by the same letter(s) within a column (lowercase) or for main effects across row/column (uppercase) do not differ significantly at $p \leq 0.05$ (Fisher's LSD). V, Variety; M, Medium.

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