Table (1): Average content of total or reduced sugar (mg/100g) of fresh leaves (30 days after sowing date) produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 °C during 2008 and 2009^(a).

	Cultivars	El- kh	rka)	ctic		S.V.	D.F	$F^{(b)}(2008)$	F (2009)
Chillin	g	Kafr El- Battikh (cv1)	El-Zarka (cv2)	Connectic ut Field (cv3)	Mean	Replicates	3	n.s.	n.s.
treatm	_		\Pi	5		Cultivars (cv)	2	**	**
	•	200	8			cv1 vs. cv 2 + cv 3	1	**	**
क्र म छ	Untreated	34.80	6.89	7.88	16.53				
Imbibed without chilling	24 h	35.10	6.75	8.22	16.69	cv2 vs. cv3	1	**	**
ch w b	Pooled reference treat. 24 h/10 d 24 h/12 d	35.31	6.96	8.12	16.80	Error a	6		
Pooled	reference treat.	35.07	6.87	8.08	16.67	7 1 1 1 1 2 2 2 1 1 1		**	**
_ eq	24 h/10 d	45.15	9.03	13.16	22.44	Imbibing & Chilling	4	**	**
ibec	24 h/12 d	56.85	10.72	14.67	27.42	(chilled) vs. (non-chilled)	1	**	**
d C	36 h/10 d	46.24	9.85	13.61	23.23	(10 J) (12 J)	1	**	**
I an	36 h/12 d	58.05	11.02	14.71	27.93	(10 d) vs. (12 d)	1		
	Mean	48.27	9.49	12.85	23.54	(24 h/ 10 d) vs. (36 h/ 12 d)	1	**	**
		200	9			(24 h 12 d) vs. (36 h 12 d)	1	**	**
対する	Untreated	36.34	7.19	8.23	17.25	(24 H 12 U) VS. (30 H 12 U)			
Imbibed without chilling	24 h	36.64	7.05	8.59	17.43	Cultivars x Imbibing & Chilling	8	**	**
c « F	36 h	36.86	7.27	8.48	17.54	(chilled) vs. (non-chilled) x cv	2	**	**
Pooled	reference treat.	36.61	7.17	8.43	17.41				
p	24 h/10 d	47.13	9.42	13.74	23.43	(10 d) vs. (12 d) x cv	2	**	**
lbed hille	24 h/12 d	59.36	11.19	15.32	28.62	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	n.s.
Imbibed and Chilled	36 h/10 d	48.28	10.28	14.21	24.26	(24 h 12 d) vs. (36 h 12 d) x cv	2	**	**
I	36 h/12 d	60.61	11.50	15.36	29.15	(24 II 12 U) VS. (30 II 12 U) X CV	2		
	Mean	5040	9.91	13.41	24.57	Error b	36		

^a variance of cultivar x chilling treatments x year interaction was significant.

^b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.

^c differences among non-chilled seeds were not significant.

Table (2): Average sex ratio (%) produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 OC during 2008 and 2009^(a).

	Cultivars	-i2 th	ka	tic		S.V.	D.F	$F^{(b)}(2008)$	F (2009)
CI 1111		afr F attik (cv1)	-Zar (cv2)	nnec t Fie (cv3)	Меал	Replicates	3	n.s.	n.s.
Chilling treatme		M B	Ē	Co		Cultivars (cv)	2	**	**
		200	8			cv1 vs. cv 2 + cv 3	1	**	**
ed ut ng	Untreated	6.40	0.00	4.60	3.67		1	*	*
Imbibed without chilling	Imbibed 24 h	6.50	0.00	4.63	3.71	cv2 vs. cv3	1		
In w	S.V. Replicates Cultivars (cv) Cv1 vs. cv 2 + cv 3 Cv2 vs. cv3	6							
Pooled	reference treat.	6.48	0.00	4.62	3.70	Imbibing & Chilling	1	**	**
T .	24 h/10 d	7.99	5.33	5.38	6.23	Imbibling & Chilling	4		
ıbibec and hilled	24 h/12 d	9.01	6.50	5.65	7.05	(chilled) vs. (non-chilled)	1	**	**
Imbibed and Chilled	36 h/10 d	8.30	5.48	5.55	6.44	(10 d) vs (12 d)	1	**	**
Ι	36 h/12 d	9.33	6.75	5.89	7.32	(10 u) vs. (12 u)	1		
	Mean	8.22	4.81	5.42	6.15	(24 h/ 10 d) vs. (36 h/ 10 d)	1	**	n.s.
		200	9			(24 h 12 d) vs. (36 h 12 d)	1	**	**
ed nt ig	Untreated	6.09	0.00	4.30	3.46			**	duk
Imbibed without chilling	Imbibed 24 h	6.19	0.00	4.58	3.59	Cultivars x Imbibing & Chilling	8	**	**
In wi	Imbibed 36 h	6.24	0.00	4.56	3.60	(chilled) vs. (non-chilled) x cv	2	**	**
Pooled	reference treat.	6.17	0.00	4.48	3.55	(10 d) vg (12 d) v ov	2	**	**
_	24 h/10 d	7.68	5.03	5.31	6.00	(10 d) vs. (12 d) x cv	2		
ıbibed and hilled	24 h/12 d	8.70	6.19	5.35	6.75	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	n.s.
Imbibed and Chilled	36 h/10 d	7.98	5.14	5.25	6.12	(24 h 12 d) vs. (36 h 12 d) v ev	2	n.s.	n.s.
1	36 h/12 d	9.00	6.43	5.59	7.00	(2111124) 15. (6011124) ACT	-		
	Mean	7.90	4.56	5.20	5.89	Error b	36		

^a variance of cultivar x chilling treatments x year interaction was significant.

^b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.

^c differences among non-chilled seeds were not significant.

Table (3): Average length of plant (cm) produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 °C during 2008 and 2009^(a).

C	ultivars	គ្ន	ka	tic Id		S.V.	D.F	F ^(b) (2008)	F (2009)
Chilling	g	Kafr El- Battikh (cv1)	El-Zarka (cv2)	Connectic ut Field (cv3)	Mean	Replicates	3	n.s.	n.s.
•	Cultivars Chilling reatments Untreated Imbibed 24 h Imbibed 36 h Pooled reference treat. Polling Teatments Untreated Imbibed 36 h A Imbibed 36 h Imbibed 24 h Imbibed 36 h	Y I		ט ב		Cultivars (cv)	2	**	**
		200	8			cv1 vs. cv 2 + cv 3	1	**	**
ed ut	Untreated	300.9	324.1	339.3	321.4				
abib itho hillir	Imbibed 24 h	299.4	322.5	337.6	319.8	cv2 vs. cv3	1	n.s.	n.s.
- P	Imbibed 36 h	300.0	323.1	338.2	320.4	Error a	6		
Pooled	reference treat.	300.1	323.2	338.4	320.5				
i ed	24 h/10 d	294.9	317.6	332.5	315.0	Imbibing & Chilling	4	**	**
ibec	24 h/12 d	276.8	298.2	312.1	295.7	(chilled) vs. (non-chilled)	1	**	**
m d C	36 h/10 d	285.8	307.9	322.3	305.3				
I	36 h/12 d	270.8	291.7	305.3	289.3	(10 d) vs. (12 d)	1	**	**
	Mean	285.7	307.7	322.1	305.2	(24 h/ 10 d) vs. (36 h/ 10 d)	1	**	**
		200	9				1	**	**
हु । छ	Untreated	286.8	313.4	325.1	308.4	(24 h 12 d) vs. (36 h 12 d)	1	• • •	• • • • • • • • • • • • • • • • • • • •
ıbibo ithor	Imbibed 24 h	285.4	311.8	323.4	306.9	Cultivars x Imbibing & Chilling	8	**	**
lh ch	Imbibed 36 h	286.0	312.4	324.1	307.5	(akillad) wa (man akillad) was	2	**	**
Pooled	reference treat.	286.1	312.5	324.2	307.6	(chilled) vs. (non-chilled) x cv	2		
l ed	24 h/10 d	281.1	307.1	318.6	302.2	(10 d) vs. (12 d) x cv	2	**	**
Imbibed and Chilled	24 h/12 d	263.9	288.3	299.1	283.7	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	**
mbi d C	36 h/10 d	272.5	297.7	308.8	293.0	(24 II/ 10 U) VS. (30 II/ 10 U) X CV	2	11.3.	
I	36 h/12 d	258.1	282.0	292.6	277.6	(24 h 12 d) vs. (36 h 12 d) x cv	2	n.s.	n.s.
	Mean	272.3	297.5	308.6	292.8	Error b	36		

^a variance of cultivar x chilling treatments x year interaction was significant.

^b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.

^c differences among non-chilled seeds were not significant.

Table (4): Average number of fruits per plant produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 °C during 2008 and 2009^(a).

C	ultivars	ig 43 (ka)	ctic Id	u	S.V.	D.F	$F^{(b)}(2008)$	F (2009)
Chilling	σ	Kafr El- Battikh (cv1)	El-Zarka (cv2)	Connectic ut Field (cv3)	Mean	Replicates	3	n.s.	n.s.
treatme	_	Y I	Ħ	Ď i		Cultivars (cv)	2	**	**
·		200	8			ev1 vs. ev 2 + ev 3	1	**	**
	Untreated	6.3	0.0	0.0	2.1		1		
Imbibed without chilling	Imbibed 24 h	5.8	0.0	0.0	1.9	cv2 vs. cv3	1	**	**
Ir c	Pooled reference treat.	6.4	0.0	0.0	2.1	Error a	6		
Pooled	reference treat.	6.1	0.0	0.0	2.0	Imbibing & Chilling	4	**	**
l ed	24 h/10 d	4.9	1.5	0.0	2.1	(-1.91-1) (1.91-1)	1	**	**
ibec	24 h/12 d	7.8	2.8	0.0	3.6	(chilled) vs. (non-chilled)	1		
Imbibed and Chilled	36 h/10 d	5.1	2.0	0.0	2.4	(10 d) vs. (12 d)	1	**	**
I	36 h/12 d	7.7	3.1	2.0	4.3	(24 h/ 10 d) vs. (36 h/ 10 d)	1	n.s.	n.s.
	Mean	6.3	1.9	0.4	2.9		1	_	
		200	9			(24 h 12 d) vs. (36 h 12 d)	1	**	**
ed ut	Untreated	4.0	0.0	0.0	1.3	Cultivars x Imbibing & Chilling	8	**	**
Imbibed without chilling	Imbibed 24 h	4.5	0.0	0.0	1.5				
In ch w	Imbibed 36 h	4.4	0.0	0.0	1.5	(chilled) vs. (non-chilled) x cv	2	**	**
Pooled	reference treat.	4.3	0.0	0.0	1.4	(10 d) vs. (12 d) x cv	2	**	**
pa 1	24 h/10 d	3.9	1.5	0.0	1.8		2		
ibed hill	24 h/12 d	5.8	2.3	0.0	2.7	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	n.s.
Imbibed and Chilled	36 h/10 d	4.5	2.2	0.0	2.2	(24 h 12 d) vs. (36 h 12 d) x cv	2	**	n.s.
I	36 h/12 d	7.3	2.8	1.3	3.8	Ennou b	36		
	Mean	5.1	1.8	0.3	2.4	Error b	30		

a variance of cultivar x chilling treatments x year interaction was significant.
b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.
c differences among non-chilled seeds were not significant.

Table (5): Average weight of fruit (kg) produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 °C during 2008 and 2009^(a).

$\overline{}$	ultivars	1111g 2000 u		=		CV	D.F	F ^(b) (2008)	E (2000)
	_	El- kh	rka ()	ticı Id	п	S.V.	D.F	F (2008)	F (2009)
Chillin	_	Kafr El- Battikh (cv1) 3l-Zarka	El-Zarka (cv2)	Connecticu t Field (cv3)	Mean	Replicates	3	n.s.	n.s.
treatm	ents	R G		Cor	~	Cultivars (cv)	2	**	**
		200	8			cv1 vs. cv 2 + cv 3	1	**	**
ed ut ıg	Untreated	10.321	0.000	0.000	3.440	cv2 vs. cv3	1	**	**
Imbibed without chilling	Imbibed 24 h	10.338	0.000	0.000	3.446	CV2 VS. CV3	1		
In w cl	Imbibed 36 h	10.442	0.000	0.000	3.481	Error a	6		
Pooled	reference treat.	10.367	0.000	0.000	3.456	Imbibing & Chilling	4	**	**
pa l	24 h/10 d	9.495	1.395	0.000	3.630		•		
ibed hill	24 h/12 d	6.425	1.363	0.000	2.596	(chilled) vs. (non-chilled)	1	**	**
Imbibed and Chilled	36 h/10 d	9.289	1.419	0.000	3.569	(10 d) vs. (12 d)	1	**	**
an	36 h/12 d	6.073	1.250	0.461	2.595				
	Mean	8.330	1.085	0.092	3.169	(24 h/ 10 d) vs. (36 h/ 10 d)	1	n.s.	n.s.
		200	9			(24 h 12 d) vs. (36 h 12 d)	1	**	n.s.
ed st	Untreated	10.552	0.000	0.000	3.517	Cultivars x Imbibing & Chilling	8	**	**
Imbibed without chilling	Imbibed 24 h	9.640	0.000	0.000	3.213	Cultivars x Inibibling & Clining	0		
In w	Imbibed 36 h	10.249	0.000	0.000	3.416	(chilled) vs. (non-chilled) x cv	2	**	**
Pooled	reference treat.	10.147	0.000	0.000	3.382	(10 d) vs. (12 d) x cv	2	**	**
_ p	24 h/10 d	9.566	1.412	0.000	3.659				
Imbibed and Chilled	24 h/12 d	6.762	1.039	0.000	2.601	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	n.s.
mbi d C	36 h/10 d	9.494	1.171	0.000	3.555	(24 h 12 d) vs. (36 h 12 d) x cv	2	n.s.	**
I	36 h/12 d	6.609	1.086	0.391	2.695	E-man h	26		
	Mean	8.516	0.942	0.078	3.178	Error b	36		

^a variance of cultivar x chilling treatments x year interaction was significant.

^b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.

^c differences among non-chilled seeds were not significant.

Table (6): Total fruit yield (kg/m²) produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 °C during 2008 and 2009^(a).

	Cultivars		ಡ	.i		S.V.	D.F	F ^(b) (2008)	F (2009)
		Kafr El- Battikh (cv1)	El-Zarka (cv2)	Connectic ut Field (cv3)	Mean	Replicates	3	n.s.	n.s.
Chilling treatme	_	Ka Ba	EI-	Cor		Cultivars (cv)	2	**	**
		200	8			cv1 vs. cv 2 + cv 3	1	**	**
ed nt ng	Untreated	10.240	0.000	0.000	3.413		_		
Imbibed without chilling	Imbibed 24 h	10.449	0.000	0.000	3.483	cv2 vs. cv3	1	n.s.	n.s.
In w	Imbibed 36 h	10.554	0.000	0.000	3.518	Error a	6		
Pooled	reference treat.	10.414	0.000	0.000	3.471	T 1 11 1 2 CV 111		**	**
pa _	24 h/10 d	11.110	0.507	0.000	3.872	Imbibing & Chilling	4	**	**
ibed	24 h/12 d	11.984	0.921	0.000	4.302	(chilled) vs. (non-chilled)	1	**	**
Imbibed and Chilled	36 h/10 d	11.235	0.674	0.000	3.970	(10 d) vs. (12 d)	1	**	**
an	36 h/12 d	12.483	0.917	0.226	4.542	, , , ,	1		
	Mean	11.445	0.604	0.045	4.031	(24 h/ 10 d) vs. (36 h/ 10 d)	1	*	n.s.
		200	9			(24 h 12 d) vs. (36 h 12 d)	1	**	**
ed It	Untreated	10.650	0.000	0.000	3.550			didi	d.d.
Imbibed without chilling	Imbibed 24 h	10.868	0.000	0.000	3.623	Cultivars x Imbibing & Chilling	8	**	**
In c	Imbibed 36 h	10.978	0.000	0.000	3.659	(chilled) vs. (non-chilled) x cv	2	**	**
Pooled	reference treat.	10.832	0.000	0.000	3.611	(10 d) vs. (12 d) x cv	2	**	**
pa _	24 h/10 d	11.555	0.669	0.000	4.075	(10 u) vs. (12 u) x cv	2		
ibed hilk	24 h/12 d	12.464	0.752	0.000	4.406	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	n.s.
Imbibed and Chilled	36 h/10 d	11.685	0.712	0.000	4.133	(24 h 12 d) vs. (36 h 12 d) x cv	2	**	**
an	36 h/12 d	12.984	0.818	0.152	4.651	F b	26		
	Mean	11.904	0.590	0.030	4.175	Error b	36		

^a variance of cultivar x chilling treatments x year interaction was significant.

^b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.

^c differences among non-chilled seeds were not significant.

Table (7): Average total soluble solids (TSS %) of fresh fruit flesh produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 ^oC during 2008 and 2009^(a).

$\mathcal{L}_{\mathbf{C}}$	Cultivars	-ip q	ka	tic Id	т	S.V.	D.F	F ^(b) (2008)	F (2009)
Chilling	σ	Kafr El- Battikh (cv1)	El-Zarka (cv2)	Connectic ut Field (cv3)	Mean	Replicates	3	n.s.	n.s.
treatme	_ \		<u> </u>	Ď,		Cultivars (cv)	2	**	**
		200) 8			cv1 vs. cv 2 + cv 3	1	**	**
a at a	Untreated	5.4	0.0	0.0	1.8			**	**
Imbibed without chilling	Imbibed 24 h	5.6	0.0	0.0	1.9	cv2 vs. cv3	1	^^	^^
In w	Imbibed 36 h	5.5	0.0	0.0	1.8	Error a	6		
Pooled	reference treat.	5.5	0.0	0.0	1.8	T 1.1. 0 CI 111.	4	**	**
pu	24 h/10 d	6.4	5.6	0.0	4.0	Imbibing & Chilling	4		
bibed a	24 h/12 d	7.0	6.3	0.0	4.4	(chilled) vs. (non-chilled)	1	**	**
Imbibed and Chilled	36 h/10 d	6.5	6.1	0.0	4.2	(10 d) vs. (12 d)	1	**	**
E	36 h/12 d	7.3	6.4	6.3	6.6		-		
	Mean	6.5	4.9	1.3	4.2	(24 h/ 10 d) vs. (36 h/ 10 d)	1	n.s.	n.s.
·		200	9			(24 h 12 d) vs. (36 h 12 d)	1	**	**
7 ± 50	Untreated	5.5	0.0	0.0	1.8			**	**
Imbibed without chilling	Imbibed 24 h	5.7	0.0	0.0	1.9	Cultivars x Imbibing & Chilling	8	**	**
L × C	Imbibed 36 h	5.6	0.0	0.0	1.9	(chilled) vs. (non-chilled) x cv	2	**	**
Pooled	reference treat.	5.6	0.0	0.0	1.9	(10 d) vs. (12 d) x cv	2	**	**
pu	24 h/10 d	6.4	5.7	0.0	4.0				
ed a	24 h/12 d	7.1	6.3	0.0	4.4	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	n.s.
Imbibed and Chilled	36 h/10 d	6.6	6.2	0.0	4.2	(24 h 12 d) vs. (36 h 12 d) x cv	2	**	**
Im	36 h/12 d	7.4	6.4	6.3	6.7	Emanh	36		
	Mean	6.6	4.9	1.3	4.3	Error b	30		

a variance of cultivar x chilling treatments x year interaction was significant.
b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.
c differences among non-chilled seeds were not significant.

Table (8): Average content of carotene (mg/100g) of fresh fruit flesh produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 $^{\circ}$ C during 2008 and 2009^(a).

	Cultivars	ig (ka)	ctic Id	u u	S.V.	D.F	$F^{(b)}\left(2008\right)$	F (2009)
Chilling	σ	Kafr El- Battikh (cv1)	El-Zarka (cv2)	Connectic ut Field (cv3)	Mean	Replicates	3	n.s.	n.s.
treatme	_ \		<u></u> 전	ט -		Cultivars (cv)	2	**	**
		200	8			cv1 vs. cv 2 + cv 3	1	**	**
ह्य स	Untreated	17.5	0.0	0.0	5.8			**	**
Imbibed without chilling	Imbibed 24 h	18.1	0.0	0.0	6.0	cv2 vs. cv3	1	**	**
II s	Imbibed 36 h	17.9	0.0	0.0	6.0	Error a	6		
Pooled	reference treat.	1.8	0.0	0.0	5.9			**	
. 5	24 h/10 d	20.6	16.3	0.0	12.3	Imbibing & Chilling	4	**	**
lbed hille	24 h/12 d	22.6	18.1	0.0	13.6	(chilled) vs. (non-chilled)	1	**	**
Imbibed and Chilled	36 h/10 d	21.0	17.7	0.0	12.9	(10 d) vs. (12 d)	1	**	**
_ a	36 h/12 d	23.6	18.4	19.6	20.5		1		
	Mean	21.1	14.1	3.9	13.0	(24 h/ 10 d) vs. (36 h/ 10 d)	1	n.s.	n.s.
		200	9			(24 h 12 d) vs. (36 h 12 d)	1	**	**
g t d	Untreated	17.6	0.0	0.0	5.9				
Imbibed without chilling	Imbibed 24 h	18.3	0.0	0.0	6.1	Cultivars x Imbibing & Chilling	8	**	**
ch 🥸 Tr	Imbibed 36 h	18.0	0.0	0.0	6.0	(chilled) vs. (non-chilled) x cv	2	**	**
Pooled	reference treat.	18.0	0.0	0.0	6.0	(10 d) vg (12 d) v ov	2	**	**
þ	24 h/10 d	20.7	16.3	0.0	12.4	(10 d) vs. (12 d) x cv	2		
nbibed Chilled	24 h/12 d	22.8	18.2	0.0	13.7	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	n.s.
Imbibed nd Chille	36 h/10 d	21.2	17.8	0.0	13.0	(24 h 12 d) vs. (36 h 12 d) x cv	2	**	**
Imj	36 h/12 d	23.8	18.6	19.3	20.6		0.5		
	Mean	21.3	14.2	3.9	13.1	Error b	36		

^a variance of cultivar x chilling treatments x year interaction was significant.

^b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.

^c differences among non-chilled seeds were not significant.

Table (9): Average dry matter (DM %) of fresh fruit flesh produced from untreated and imbibed pumpkin seeds for 24 or 36 h and chilled for 10 or 12 days at 4-5 $^{\circ}$ C during 2008 and 2009^(a).

C	Cultivars		ka	tic		S.V.	D.F	F ^(b) (2008)	F (2009)
CI 1111		Kafr El- Battikh (cv1)	El-Zarka (cv2)	Connectic ut Field (cv3)	Mean	Replicates	3	n.s.	n.s.
Chilling treatme	_	M M	回	Co		Cultivars (cv)	2	**	**
		200	18			cv1 vs. cv 2 + cv 3	1	**	**
ed ut	Untreated	6.6	0.0	0.0	2.2	cv2 vs. cv3	1	**	**
Imbibed without chilling	Imbibed 24 h	6.8	0.0	0.0	2.3	CV2 VS. CV3	1		
E & E	Imbibed 36 h	6.7	0.0	0.0	2.2	Error a	6		
Pooled	reference treat.	6.7	0.0	0.0	2.2	Imbibing & Chilling	4	**	**
d led	24 h/10 d	7.8	6.7	0.0	4.8				
Impi 36	24 h/12 d	8.5	7.4	0.0	5.3	(chilled) vs. (non-chilled)	1	**	**
	36 h/10 d	7.9	7.3	0.0	5.1	(10 d) vs. (12 d)	1	**	**
	36 h/12 d	8.9	7.6	7.3	7.9				
	Mean	7.9	5.8	1.5	5.1	(24 h/ 10 d) vs. (36 h/ 10 d)	1	n.s.	n.s.
		200	9			(24 h 12 d) vs. (36 h 12 d)	1	**	**
ed ut	Untreated	6.6	0.0	0.0	2.2	Cultivars x Imbibing & Chilling	8	**	**
Imbibed without chilling	Imbibed 24 h	6.8	0.0	0.0	2.3	Cultivars x Infolding & Chinning	0		
L w	Imbibed 36 h	6.8	0.0	0.0	2.3	(chilled) vs. (non-chilled) x cv	2	**	**
Pooled	reference treat.	6.7	0.0	0.0	2.2	(10 d) vs. (12 d) x cv	2	**	**
l ed	24 h/10 d	7.7	6.5	0.0	4.8				
ibec	24 h/12 d	8.6	7.2	0.0	5.3	(24 h/ 10 d) vs. (36 h/ 10 d) x cv	2	n.s.	n.s.
Imbibed and Chilled	36 h/10 d	7.9	7.0	0.0	5.0	(24 h 12 d) vs. (36 h 12 d) x cv	2	**	**
I	36 h/12 d	8.9	7.3	7.4	7.9		26		
	Mean	8.0	5.6	1.5	5.0	Error b	36		

^a variance of cultivar x chilling treatments x year interaction was significant.

^b n.s., *, ** nonsignificant and significant at P= 0.05 or 0.01, respectively.

^c differences among non-chilled seeds were not significant.