

Table x. Post-harvest practices garlic project, 2020: **Clove quality after cold storage (refrigerator) in plastic bags** for 9.5-12 weeks (Oct 13-30 2020 to Jan 5-6, 2021).

Trt. No.	Curing		Storage Building	Fusarium Disease		Clove Quality	
	Building	Type		% Fusarium Coverage /clove	% Cloves with Fus.	White Color (scale 1-4) ¹	Firmness (scale 1-4) ²
1	High tunnel?	Active?	??	1.9 def	60 b-e	3.84 abc	3.0
5	High tunnel	Active	Floor poll barn, closed	3.8 b-f	44 de	3.92 ab	3.0
6	High tunnel	Active	Same as 5	4.9 b-f	40 d	3.92 ab	3.0
17,	High tunnel – tops on	Active	High tunnel, bread trays	2.5 b-f	64 b-e	3.96 ab	3.0
18*	High tunnel – 6" tops			3.3 b-f	68 bcd	3.92 ab	3.0
4	High tunnel	Passive	Wooden shed	6.3 b-e	64 b-e	3.76 bcd	2.9
14,	High tunnel – 6" tops	Passive	Steel barn, closed	3.9 b-f	72 bc	3.92 ab	3.0
15*	High tunnel – tops on			4.6 b-f	64 b-e	3.80 a-d	3.0
3	Greenhouse	Active	Wooden shed	3.8 b-f	68 bcd	4.00 a	3.0
11	Cold cure	Active	Steel barn, closed	2.4 b-f	64 b-e	3.80 a-d	3.0
12	Drying wall	Active	Steel barn, closed	5.6 b-e	64 b-e	3.68 cd	3.0
22	Drying wall	Active	Steel barn, closed	3.2 c-f	44 de	3.92 ab	3.0
2	Wooden Shed	Active	Wooden shed	1.6 def	60 b-e	3.96 ab	3.0
9	Mesh screen, barn	Active	Steel barn, closed	6.6 bc	84 ab	3.88 abc	3.0
10	Mesh screen, barn - wash	Active	Steel barn, closed	1.5 f	40 e	3.76 bcd	3.0
7	Wagon, barn	Active	Barn, open	7.3 bcd	60 b-e	3.60 d	2.9
24	Wagon, barn	Passive	Greenhouse	6.7 b-e	60 b-e	3.6 d	3.0
19	Barn loft	Passive	Barn loft, closed	1.6 ef	48 cde	3.92 ab	3.0
20	Barn, hanging	Passive	Barn, open, hanging	3.8 def	48 cde	3.88 abc	2.9
23	Lean-to	Passive	Lean-to, open	5.0 b-e	61 b-e	3.92 ab	2.9
8	Lean-to	Passive	Barn, open	3.0 b-f	76 ab	3.84 abc	3.0
13	Outside, bins	Passive	Steel barn, open	2.8 b-f	64 b-e	3.88 abc	3.0
21	field	Passive	Steel barn, closed	7.1 b	68 bcd	3.84 abc	3.0
16	Basement floor	Passive	Basement floor	13.4 a	100 a	3.80 a-d	3.0
<i>P value (α = 0.05)</i>				<i>0.0000</i>	<i>0.0090</i>	<i>0.0355</i>	--
transformation				$\arcsin(x/100)^{0.5}$	--	Not normal	Not normal
Trial Average				4.4	61.9	3.85	3.0

*two treatments (e.g. topped and not topped) in the same conditions.

¹Clove Color (Scale 1-4): 1: Brown; 2: Tan; 3: Off-white; 4: White. **High score is best.**

²Clove Firmness (Scale 1-4): 1: Soft; 2: Medium; 3: Firm; 4: Hard. **High score is best.**

No Eriophyid mites were detected in any of these samples.

Table x. Post-harvest practices garlic project, 2020: **Clove quality after storage at room temperature in paper bags** for 13.5-16 weeks (Oct 13-30 2020 to Feb 19, 24, 25).

Trt.	Curing		Storage	Fusarium Disease		Mites	Clove Quality				
	No.	Building		Type	Building		% Fusarium Coverage /clove	% Cloves with Fus.	% Cloves with Eriophyid Mites	White Color (scale 1-4) ¹	% Cloves with Purple Color
1	High tunnel?	Active?	??		0.8 j ⁴	36.0 f	56 c	3.76 a	16	2.84 a	20.0 b-e
5	High tunnel	Active	Floor poll barn, closed		9.7 e-i	64.0 cde	88 ab	3.43 abc	24	2.56 abc	24.0 a-d
6	High tunnel	Active	Same as 5		18.1 b-g	72.0 a-e	100 a	3.18 cde	68	2.13 c-h	32.0 ab
17,	High tunnel – tops on	Active	High tunnel, bread trays		24.9 ab	92.0 ab	100 a	2.76 efg	64	1.64 ij	8.0 cde
18*	High tunnel – 6" tops				4.7 hij	76.0 a-e	100 a	3.20 cde	36	2.20 c-g	24.0 a-d
4	High tunnel	Passive	Wooden shed		6.6 hij	60.0 def	100 a	3.16 cde	44	1.87 f-i	28.0 abc
14,	High tunnel – 6" tops	Passive	Steel barn, closed		2.4 ij	64.0 cde	100 a	3.48 abc	40	2.28 b-f	44.0 a
15*	High tunnel – tops on				23.8 a-d	72.0 a-e	96 a	3.16 cde	32	2.21 c-g	28.0 abc
3	Greenhouse	Active	Wooden shed		7.0 hij	56.0 ef	88 ab	3.28 bcd	24	2.12 d-h	32.0 ab
11	Cold cure	Active	Steel barn, closed		17.2 b-f	84.0 a-d	80 ab	3.28 bcd	24	2.65 ab	12.0 b-e
12	Drying wall	Active	Steel barn, closed		6.6 f-i	76.0 a-e	92 ab	2.88 def	28	1.96 e-i	0.0 e
22	Drying wall	Active	Steel barn, closed		4.8 hij	72.0 a-e	92 ab	3.68 ab	24	2.48 a-d	44.0 a
2	Wooden Shed	Active	Wooden shed		12.2 d-h	88.0 abc	92 ab	3.44 abc	32	2.12 d-h	28.0 abc
9	Mesh screen, barn	Active	Steel barn, closed		7.4 g-j	68.0 b-e	92 ab	3.20 cde	32	2.20 c-g	32.0 ab
10	Mesh screen, barn - wash	Active	Steel barn, closed		11.0 d-i	80.0 a-e	88 ab	3.12 cde	32	2.35 b-e	8.0 cde
7	Wagon, barn	Active	Barn, open		28.3 a	96.0 a	96 a	2.44 g	16	1.83 g-j	8.0 cde
24	Wagon, barn	Passive	Greenhouse		14.1 b-f	92.0 ab	100 a	2.56 fg	20	1.43 j	
19	Barn loft	Passive	Barn loft, closed		17.4 a-e	88.0 abc	96 a	2.88 def	36	1.88 f-i	8.0 cde
20	Barn, hanging	Passive	Barn, open, hanging		17.2 b-f	80.0 a-e	96 a	2.84 efg	24	1.84 g-j	8.0 cde
23	Lean-to	Passive	Lean-to, open		13.8 c-h	90.0 abc	88 ab	3.12 cde	8	2.12 d-h	16.0 b-e
8	Lean-to	Passive	Barn, open		14.6 b-g	88.0 abc	100 a	3.12 cde	40	2.16 c-h	8.0 cde
13	Outside, bins	Passive	Steel barn, open		13.0 b-g	92.0 ab	96 a	2.88 def	32	1.72 hij	4.0 de
21	field	Passive	Steel barn, closed		13.2 c-h	84.0 a-d	84 ab	3.12 cde	20	2.21 c-g	8.0 cde
16	Basement floor	Passive	Basement floor		20.3 abc	96.0 a	72 bc	3.44 abc	4	2.79 a	4.0 de
<i>P value (α = 0.05)</i>					<i>0.0000</i>	<i>0.0010</i>	<i>0.0145</i>	<i>0.0000</i>	<i>0.1867</i>	<i>0.0000</i>	<i>0.0009</i>
transformation					arcsin ³	normal	arcsin ³	normal	normal	normal	normal
Trial Average					12.9	77.7	91.3	3.14	30	2.15	17.8

*two treatments (e.g. topped and not topped) in the same conditions.

¹Clove Color (Scale 1-4): 1: Brown; 2: Tan; 3: Off-white; 4: White. **High score is best.** ²Clove Firmness (Scale 1-4): 1: Soft; 2: Medium; 3: Firm; 4: Hard. **High score is best.**

³transformation: $y = \arcsin(x/100)^{0.5}$. ⁴Numbers in a column followed by the same number are not significantly different, Fisher's Protected LSD test, $p < 0.05$.