

Table 1. Infestation percentage with *Cryptoblabes gnidiella* larvae and the corresponding weight loss in four garlic cultivars through various storage periods

Storage period (month)	Garlic cultivar											
	Egyptian			Sids 40			Chinese			American		
	Weight (gm)	% Infestation	% Weight loss	Weight (gm)	% Infestation	% Weight loss	Weight (gm)	% Infestation	% Weight loss	Weight (gm)	% Infestation	% Weight loss
0	150.554	0	0	130.677	0	0	120.369	0	0	120.737	0	0
1	139.684	5.818	7.220	116.871	7.200	7.537	87.211	25.755	17.52	105.469	14.615	8.213
2	129.927	8.762	7.541	107.047	14.769	11.795	64.902	40.903	17.68	94.971	25.723	12.592
3	120.012	15.963	11.415	97.772	22.778	15.458	54.436	55.382	17.83	86.784	34.302	16.724
4	103.430	21.682	17.008	89.475	32.395	18.555	42.351	70.991	18.00	77.711	44.88	20.201

Table 2. Percentage infestation with *Cryptoblabes gnidiella* larvae and the content of volatile oils and total soluble solids in four garlic cultivars through various storage periods

Storage period (month)	Garlic cultivar											
	Egyptian			Sids 40			Chinese			American		
	%	%	%	%	%	%	%	%	%	%	%	%
	infestation	volatile oils (mg)	TSS	Infestation	volatile oils (mg)	TSS	Infestation	volatile oils (mg)	TSS	Infestation	volatile oils (mg)	TSS
1	5.818	436.8	27.49	7.200	379.3	26.44	25.755	340.6	17.52	14.615	338.6	16.60
2	8.762	414.6	28.02	14.769	352.5	26.33	40.903	336.3	17.68	25.723	338.6	16.75
3	15.963	399.3	28.06	22.778	328.9	26.93	55.382	329.6	17.83	34.302	295.7	16.85
4	21.682	392.9	28.36	32.395	241.8	27.11	70.991	325.5	18.00	44.888	161.6	16..98

" r " between	_ 0.9618	0.9000	_ 0.9375	0.8865	_0.9963	0.9999	_0.9081	0.9995
% infestation and								
" b " value	_ 5.2995	0.0313	_ 2.5585	0.0448	_0.3761	0.0106	_6.1301	0.0125

Table 3. The relative percentages of the main compounds of the volatile oils of four stored garlic cultivars

GC/MS	Compound name	Garlic cultivar							
		Egyptian		Sids 40		Chinese		American	
		Area	%	Area	%	Area	%	Area	%
Retention Time (Min.)									
3.81-3.86	Allyl sulfide	450	4.05	163	1.36	429	3.05	132	2.35
5.37-5.40	Allyl methyl disulfide	160	2.84	381	3.18	170	1.21	186	1.82
6.87-6.90	Methyl propyl disulfide	120	2.13	366	3.06	112	0.79	51	0.02
10.56-10.7	Dipropenyl disulfide	1050	18.66	2245	18.75	2749	19.56	3044	29.81
10.7-10.99	Allyl propenyl disulfide	192	1.63	154	1.28	521	3.72	308	3.02
11.03-11.23	Allyl disulfide	216	3.84	247	2.06	1266	12.30	544	5.32
12.57-12.67	Allyl methyl trisulfide	1247	22.16	2772	23.15	1602	11.40	1278	12.51
15.03-15.07	2-Vinyl diethine	143	2.54	109	0.91	200	1.42	85	0.83
18.21-18.42	Diallyl trisulfide	7000	49.82	5536	46.23	2598	46.17	4585	44.89
	Total sulfides	10578		11973		10647		10213	