

Table 1. Total phenolic compounds (GAE), Lutein and α - carotenoid in butternut winter squash under storage periods and management practices, Kutztown, Pennsylvania.

Storage period	Treatment	Total Phenolic concentration ($\mu\text{g GAE/g}^{\ddagger}$ dry weight)	Lutein concentration ($\mu\text{g/g}$ dry weight)	α - carotenoid ($\mu\text{g/g}$ dry weight)
0-day	BCS [†]	1287b	170bc	438b
	RC	1203b	151bc	370b
	Grower's STD	980b	215b	608ab
30-day	BCS	2506a	173b	449b
	RC	2052ab	199b	548ab
	Grower's STD	1186b	164bc	412b
60-day	BCS	2029ab	229ab	669a
	RC	2714a	275a	824a
	Grower's STD	1760ab	148c	356b

[†]BCS: rolling-crimping of the cover crop with 2-ft wide BCS roller-crimper before planting; RC: rolling-crimping of the cover crop with 10-ft wide roller-crimper before planting; Grower's STD: Grower's standard farming practice - plow under the cover crop before planting and in-season cultivations during the growing season.

[‡]GAE: Gallic acid equivalent.