

Table 6 Percentage seeds damaged, weigh loss and Beetle Perforation Index caused by *C. maculatus* in cowpea seeds treated with 0.3 v/w extract of *A. boonei* obtained by Kneading method after 30, 60 and 90 days of post-treatment

Days	0.3 v/w extract of <i>A. boonei</i>	Mean total number of cowpea seeds	Mean number of damaged cowpea seeds	Mean % cowpea seeds damaged	Mean % weight loss	*Beetle perforation Index (BPI)
30	Leaf	94.75	1.50	1.58±1.19ab	3.67±1.25ab	7.61±0.62b
	Stembark	94.00	0.00	0.00±0.00a	0.00±0.00a	0.00±0.00a
	Root	95.25	4.25	4.46±1.17ab	7.89±1.22b	21.49±1.63c
	Control	94.00	19.50	20.75±0.85d	64.27±1.43c	50.00±5.79f
60	Leaf	93.25	4.00	4.29±1.40b	7.61±0.58b	22.34±1.44c
	Stem bark	94.00	0.00	0.00±0.00a	0.00±0.00a	0.00±0.00a
	Root	95.00	6.75	7.11±0.56b	9.06±0.70b	37.03±0.69d
	Control	93.75	18.00	19.20±1.40cd	63.63±0.61c	50.00±5.79f
90	Leaf	92.75	5.25	5.66±1.25b	7.87±1.19b	26.02±0.73c
	Stem bark	95.00	1.75	1.84±1.30ab	3.94±0.97ab	8.43±1.14b
	Root	94.25	8.50	9.02±0.72bc	10.07±0.54b	41.30±1.41df
	Control	95.00	20.75	21.84±0.81d	65.12±0.63c	50.00±5.79f

Note: Each value is a mean ± standard error of four replicates; Means followed by the same letter along the column are not significantly different (P>0.05) using New Duncan Multiple Range Test; \*Beetle Perforation Index (BPI); Value lower than 50 is an index of positive protectant effect while BPI greater than 50 is an index of negative protectability