

Table 4. Nutritional quality parameter of 3 days etiolated clover sprouts amino acids

Sterilized (ste)	Paramet	TEAA/ TAA%	TNEAA/ TAA%	TEAA/ TNEAA%	TSAA Meth+Cys	Cys/ TSAA%	TArAA phe+Tyr	LEU/Ile	TAAA Asp+Glu	TBAA Arg+Lys	C-PER	EAAI %	BV	NI	
sterilized seeds	Dry seed	36.1	63.9	65.4	2.6	62.4	7.1	1.76	23.5	13.4	2.74	68.25	61.63	26.32	
	Tap water	34.7	65.3	53.0	2.2	64.4	6.7	1.69	24.1	8.7	2.35	56.86	49.22	26.98	
	NaCl,ppm	1000	34.8	65.2	53.1	1.4	33.1	6.6	1.67	24.0	9.1	2.25	60.17	52.83	28.62
		2000	34.8	65.2	53.3	1.8	41.3	6.7	1.67	23.7	9.1	2.31	58.88	51.42	26.11
	Mean		35.1	64.9	53.9	1.9	53.7	6.8	1.70	23.8	10.1	2.41	61.04	53.78	27.01
Non Sterilized seeds	Dry seed	36.1	63.9	65.4	2.6	62.4	7.1	1.76	23.5	13.4	2.74	68.25	61.63	26.32	
	Tap water	34.4	65.6	52.4	1.7	46.7	6.2	1.73	22.4	8.2	2.2	56.03	48.31	26.98	
	NaCl,ppm	1000	34.9	65.1	53.8	1.4	40.6	6.6	1.73	23.3	9.6	2.4	60.23	52.89	27.99
		2000	35.5	64.5	55.4	1.8	53.6	7.2	1.68	25.4	10.2	2.53	65.54	48.87	29.86
	Mean		35.2	64.8	54.5	1.9	52.7	6.8	1.73	23.7	10.3	2.47	62.51	52.93	27.79
Average	Dry seed	36.1	63.9	65.4	2.6	62.4	7.1	1.76	23.5	13.4	2.74	68.25	61.63	26.32	
	Tap water	34.5	65.5	52.7	1.9	56.8	6.5	1.71	23.3	8.5	2.28	56.45	48.77	26.98	
	1000		34.8	65.2	53.5	1.4	36.7	6.6	1.70	23.6	9.3	2.33	60.20	52.86	28.31
		2000	35.2	64.8	54.3	1.6	48.1	6.9	1.68	24.6	9.6	2.42	62.21	50.15	27.99
	Mean		35.1	64.9	54.2	1.9	51.0	6.8	1.72	23.7	10.2	2.45	61.78	53.36	27.40

TEAA/ TAA%= total essential amino acid/ total amino acid, TNEAA/ TAA%= total non -essential amino acid/ total amino acid, TEAA/TNEAA%= total essential amino acid/ total non-essential amino acid, TSAA= Cysteine+ Methionine, TArAA= total aromatic amino acids, LEU/Ile= Leucine/ Isoleucine, TAAA= total acidic amino acids, TBAA= total basic amino acids, PER= Protein Efficiency Ratio, EAAI %= essential amino acid index, BV= Biological value and NI= Nutritional index.