

Table 7. Effect of soaking time (8 weeks) on seeds of *A.senegal* ,*A.mellifera* and their Shubahis

Weeks Species	1st	2nd	3rd	4th	5th	6th	7th	8th
<i>A.senegal</i>	91.0 a	3.5 b	1.5 a	0.5 a	0.00 a	2.0 b	1.0 b	0.00 b
<i>A.mellifera</i>	68.5 a	9.0 a	2.0 a	0.00 a	1.0 a	0.00 b	0.0 b	0.00 b
Shubahi Hashab	80.5 a	5.5 b	3.5 a	4.0 a	2.5 a	0.00 b	0.0 b	1.5 ab
Shubahi Kitir	59.5 b	12.5 a	2.5 a	3.0 a	1.5 a	6.0 a	4.5 a	5.5 a
	P= 0.004 SE±4.67	P=0.002 SE± 1.32	P=0.411 SE± 0.49	P=0.128 SE± 0.74	P=0.466 SE± 0.41	P= 0.003 SE± 0.94	P= 0.012 SE± 0.73	P= 0.021 SE± 0.9

Table 9b. Germination rate of treated seeds of *A. senegal*, *A. mellifera*

and their Shubahis after different periods of storage

Period (months)	Treated seeds							
	Cold store (12±1°C)				Normal store (30±5°C)			
	<i>A.senegal</i>	<i>A.mellifera</i>	Shubahi Hashab	Shubahi Kitir	<i>A.senegal</i>	<i>A.mellifera</i>	Shubahi Hashab	Shubahi Kitir
0	65.0 a	63.0 a	69.5 b	63.0 a	65.0 ab	63.0 a	59.5 a	63.0a
3	80.0 a	65.0 a	69.5 b	63.5 a	92.0 a	89.0 a	53.5 a	82.0
6	94.0 a	88.0 a	92.0 a	87.0 a	32.0 b	75.0 a	63.5 a	73.0 a
9	80.5 a	89.0 a	80.5 ab	85.0 a	66.0 ab	53.0 a	56.0 a	61.0a
12	93.0 a	84.5 a	89.5 ab	76.0 a	53.0 ab	80.0 a	57.0 a	82.0 a
15	90.0 a	80.0 a	41.0 c	79.0 a	37.0 ab	86.0 a	5.5 b	63.0 a
18	59.0 b	75.0 a	82.0 ab	58.5 a	31.0 b	83.0 a	0.00 b	61.0 a
	P= 0.03 SE± 3.65	P=0.29 SE± 3.61	P= 0.0001 SE± 3.49	P=0.14 SE± 3.49	P= 0.01 SE± 5.65	P=0.09 SE± 3.86	P= 0.0001 SE± 5.89	P= 0.02 SE± 2.5

Table 9c. Germination rate of untreated seeds of *A. senegal*, *A. mellifera* and

their Shubahis after different periods of storage

Periods (months)	Untreated seeds (control)							
	Cold store (12±1°C)				Normal store (30±5°C)			
	<i>A.senegal</i>	<i>A.mellifera</i>	Shubahi Hashab	Shubahi Kitir	<i>A.senegal</i>	<i>A.mellifera</i>	Shubahi Hashab	Shubahi Kitir
0	80.0 a	88.0 a	72.0 a	56.0 ab	88.0 a	88.0 a	72.0 ab	56.0 a
3	79.0 a	87.0 a	59.0 ab	57.0 ab	90.0 a	90.0 a	76.0 a	53.0 a
6	69.5 a	95.0 a	57.0 ab	79.5 a	69.0 ab	86.0 a	56.0 ab	73.0 a
9	74.0 a	83.5 a	72.0 a	77.0 a	69.0 ab	89.0 a	55.5 ab	66.0 a
12	80.5 a	88.5 a	71.0 a	44.5 b	78.0 ab	85.0 a	49.0 b	50.0 a
15	77.0 a	88.5 a	37.0 b	38.0 b	42.0 bc	48.0 b	20.0 c	44.5 a
18	77.5 a	83.0 a	63.0 a	52.5 b	30.0 c	40.0 b	13.0 c	38.0 a
	P= 0.46 SE± 2.18	P=0.5 SE± 1.55	P= 0.0004 SE± 2.7	P=0.0001 SE± 3.25	P= 0.0002 SE± 4.86	P=0.0001 SE± 4.3	P= 0.0001 SE± 4.61	P= 0.07 SE± 3.45