

Table 1. Effect of royal jelly on some physical semen characteristics and fertilizing ability of diluted NZW rabbits semen

	Progressive motility %		Dead spermatozoa %		Abnormal Spermatozoa %		Fertilizing ability	
	Before freezing	After freezing	Before freezing	After freezing	Before freezing	After freezing	Pregnant Females/20	Liter size /doe
<i>Tris-citric-glucose + DMSO+</i>								
20% EY*	93.7±0.56 ^c	53.0±1.97 ^f	6.0 ±0.29 ^a	10.3±1.03 ^{de}	11.3±0.31 ^b	22.7±0.80 ^d	12	5.8±0.18 ^c
2% honey+18% EY	93.7±0.56 ^c	83.0±1.97 ^b	4.7± 0.29 ^b	13.0±1.03 ^d	14.3± 0.31 ^a	18.3±0.80 ^e	16	6.8±0.15 ^b
10 mg RJ**+2%honey+18%EY	96.0±0.56 ^{ab}	88.7±1.97 ^a	3.3± 0.29 ^{de}	8.70±1.03 ^e	3.20±0.31 ^{ef}	13.3±0.80 ^f	18	7.4±0.15 ^a
20 mg RJ**+2%honey+18%EY	95.2±0.56 ^{abc}	73.5±1.97 ^c	3.7±0.29 ^{cde}	16.8±1.03 ^c	3.80±0.31 ^{cde}	21.2±0.80 ^d	15	7.0±0.16 ^{ab}
30 mg RJ**+2%honey+18%EY	94.8±0.56 ^{abc}	59.7±1.97 ^e	4.2±0.29 ^{bcd}	24.7±1.03 ^b	4.20±0.31 ^{cd}	28.7±0.80 ^b	14	6.0±0.16 ^c
40 mg RJ**+2%honey+18%EY	96.5±0.56 ^a	66.3±1.97 ^d	3.0±0.29 ^e	22.8±1.03 ^b	2.50±0.31 ^f	26.0±0.80 ^c	13	5.8±0.10 ^c
50 mg RJ**+2%honey+18%EY	94.3±0.56 ^{bc}	59.2±1.97 ^e	4.5±0.29 ^{bc}	19.7±1.03 ^c	4.70±0.31 ^c	22.7±0.80 ^d	11	5.2±0.17 ^d
100 mg RJ**+2%honey+18%EY	95.7±0.56 ^{ab}	16.8±1.97 ^g	3.3±0.29 ^{de}	25.8±0.17 ^c	3.50±0.31 ^{de}	32.0±0.80 ^a	-	-

*EY = Egg yolk, **RJ = Royal jelly and added in mg / 6 ml of diluent.

@ Means within a column with different letter superscripts, differ significantly (P< 0.05).

