

Table 4. Libido and physical semen characteristics of NZW rabbit bucks as affected by Gibberellic and Boric acid injection (Means \pm SE).

Libido and physical semen characteristics	Acids injection			
	Control	Gibberellic	Boric	Gibberellic & Boric
Libido-sexual desire-(Sec.)	36.84 \pm 3.51 ^a	28.04 \pm 3.17 ^b	21.43 \pm 3.25 ^c	18.27 \pm 3.36 ^c
Semen ejaculate volume (ml)	0.38 \pm 0.06 ^d	0.55 \pm 0.08 ^c	0.73 \pm 0.08 ^b	0.88 \pm 0.06 ^a
Mass Motility (Score)	2.51 \pm 0.24 ^c	3.31 \pm 0.31 ^b	4.12 \pm 0.42 ^a	4.39 \pm 0.44 ^a
Advanced sperm motility (%)	61.37 \pm 2.95 ^c	69.03 \pm 1.99 ^b	75.13.64 \pm 2.86 ^a	78.21 \pm 3.05 ^a
Dead spermatozoa (%)	25.17 \pm 2.24 ^a	20.04 \pm 2.41 ^b	16.31 \pm 1.28 ^{bc}	14.25 \pm 1.37 ^c
Sperm abnormalities (%)	19.31 \pm 1.79 ^a	15.46 \pm 1.65 ^b	13.63 \pm 1.44 ^{bc}	12.24 \pm 1.17 ^c
Acrosomal damages (%)	16.97 \pm 1.24 ^a	14.03 \pm 1.07 ^b	12.41 \pm 1.16 ^b	10.10 \pm 0.93 ^c
Sperm-cell concentration (N x 10 ⁶ / ml)	414.6 \pm 31.4 ^c	482.4 \pm 27.9 ^b	561.7 \pm 38.1 ^a	597.6 \pm 36.9 ^a
Total-sperm output ((N x 10 ⁶ / ejaculate)	157.5 \pm 21.9 ^d	265.3 \pm 27.4 ^c	410.0 \pm 38.3 ^b	525.9 \pm 41.6 ^a

(a,b,c) Means bearing different letter superscripts within the same row are significantly ($P \leq 0.05$) different.

Table 6. Fertility traits of NZW rabbit does naturally mated using bucks injected with Gibberellic and Boric acid (Means \pm SE).

Items	Acids injection			
	Control	Gibberellic	Boric	Gibberellic & Boric
No. of inseminated does	49	49	49	49
No. of pregnant does	33	39	42	44
No. of kindled does	31	38	42	44
Abortion rate (%)	6.06 ^a	2.56 ^b	0.00 ^c	0.00 ^c
Conception rate (%)	67.35 ^d	79.59 ^c	85.71 ^b	89.80 ^a
Kindling rate (%)	63.27 ^d	77.55 ^c	85.71 ^b	89.80 ^a
Litter size at birth (No.)	6.16 \pm 0.33 ^d	7.38 \pm 0.33 ^c	8.06 \pm 0.31 ^b	8.84 \pm 0.45 ^a
Litter weight at birth (g)	236.9 \pm 25.7 ^c	299.0 \pm 22.2 ^b	327.0 \pm 27.2 ^{ab}	360.0 \pm 24.7 ^a
Bunny weight at birth (g)	38.46 \pm 2.11	40.51 \pm 2.31	40.57 \pm 1.96	40.72 \pm 2.04
Litter size at weaning (No.)	5.52 \pm 0.28 ^d	6.88 \pm 0.36 ^c	7.69 \pm 0.37 ^b	8.63 \pm 0.42 ^a
Litter weight at weaning (g)	3817.6 \pm 127.5 ^d	5451.7 \pm 111.6 ^c	6469.6 \pm 153.3 ^b	7659.1 \pm 197.3 ^a
Bunny weight at weaning (g)	691.6 \pm 22.4 ^c	792.4 \pm 28.3 ^b	841.3 \pm 27.5 ^{ab}	887.5 \pm 29.6 ^a

a,b,c,d Means bearing different letter superscripts within the same row are significantly ($P \leq 0.05$) different.