

## LIST OF TABLES

		<b>Page</b>
Table 2.1	Number of $\leq 3$ mm and $> 3$ mm follicles in control and FSH-treated ewes during breeding season	23
Table 2.2	Number of oocytes recovered from $\leq 3$ mm and $> 3$ mm follicles in control and FSH-treated ewes during the breeding season	23
Table 2.3	Superovulatory yields obtained in different groups of Murciano-Granadina does treated with a commercial preparation (Ovagen <sup>TM</sup> ) and the same protocol	25
Table 2.4	In situ identification of mammary cell proliferation during late gestation (day 18) and early lactation (day 3) of the first lactation cycle of rats on control or CNR	41
Table 2.5	Effect of food restriction and re-feeding on follicular development and ovulation	42
Table 2.6	Effect of food restriction and re-feeding on reproductive performance	43
Table 2.7	Treatment effects by growth phase on dairy heifer growth response	45
Table 2.8	Some known associations between energy balance and reproduction	50
Table 3.1	Composition of concentrate (% air dried basis)	57
Table 3.2	Chemical composition of concentrate and roughage offered to goat	58
Table 3.3	Body weight, feed intake, weight gain and average daily gain of female goat during post-weaning	61
Table 3.4	Nutrients intake and feed conversion ratio of goat during 3 months	62
Table 3.5	Body weight, feed intake and growth rate of goat during 6 months	63

## LIST OF TABLES (CONT.)

		<b>Page</b>
Table 3.6	Nutrients intake and feed conversion ratio of goat during 6 months	64
Table 3.7	Age and body weight at first estrous cycle of does in pubertal period	65
Table 4.1	Number of CH, CL and percentage of ovulation at different times responding FSH and hCG treatments	73
Table 4.2	Number of follicular size 1-3, 4-6, and $\geq 7$ mm in FSH treated goats	74
Table 5.1	Nutrient requirement for goat (Maintenance)	80
Table 5.2	The scheduled of concentrate and roughage offered to does on daily (adjusted to the body weight)	82
Table 5.3	Composition of concentrate (% air dried basis)	83
Table 5.4	Chemical composition of concentrate and roughage used in the experiment (% DM basis).	83
Table 5.5	Quantitative RT-PCR primers	87
Table 5.6	Effect of stair-step feeding regimen on growth performance	88
Table 5.7	Effect of stair-step feeding regimen on feed intake	89
Table 5.8	Effect of stair-step feeding on serum glucose and BUN concentration in goat	90
Table 5.9	Means $\pm$ SE of serum NEFA and insulin concentrations in goat	92
Table 5.10	Effect of stair-step feeding regimen on numbers of preovulatory follicle (1 <sup>st</sup> laparotomy)	94
Table 5.11	Effect of stair-step feeding regimen on percentage of good oocytes quality (2 <sup>nd</sup> laparotomy)	95
Table 5.12	Percentage of proliferative cell nuclear antigen (PCNA) of follicular size 1-3, 4-6, and $\geq 7$ mm	96