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Synthesizing maternal and paternal lines of rabbits suitable for Saudi conditions through crossbreeding program involving Saudi Gabali and Spanish V-line rabbits. 1-Litter traits and feed consumption and conversion ratios.

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ABSTRACT:

Four-year crossbreeding project involving Spanish maternal line called V-line (V) and Saudi Gabali (G) rabbits was carried out to produce six genetic groups of V, G, $\frac{1}{2}V\frac{1}{2}G$, $\frac{1}{2}G\frac{1}{2}V$, $\frac{3}{4}V\frac{1}{4}G$ and $\frac{3}{4}G\frac{1}{4}V$. Interse matings for genetic groups of $\frac{1}{2}V\frac{1}{2}G$, $\frac{1}{2}G\frac{1}{2}V$, $\frac{3}{4}V\frac{1}{4}G$ and $\frac{3}{4}G\frac{1}{4}V$ were also practiced.

Keywords: Crossbreeding, Litter traits and feed consumption, conversion ratios, Animal model.