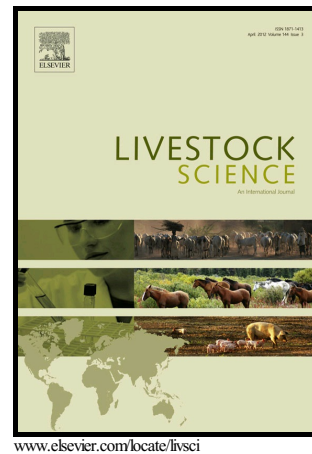


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Expected value of crossbred dairy cattle artificial insemination breeding strategies in virgin heifers and lactating cows

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ABSTRACT

Research on sexed semen breeding techniques has largely focused on purebred cattle production systems and little work has been done evaluating sexed semen use in crossbred dairy cattle. Complementing a crossbreeding reproduction strategy with sexed semen artificial insemination (**AI**) has the potential to increase profit potential of sexed semen technology in the short and long run. The objective of this project was to estimate and compare the expected net present value (**NPV**) of reproduction management programs considering several conventional and sexed semen breeding strategies, cow ages, and breed compositions. While the potential benefits of

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