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# Effects of stocking density and climatic conditions on forage and soil intake of crossbred beef heifers in a montane grazing system

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Consumed forage (% offered)	Grasses	Forbs	Legumes
Period-effect	✓ P1 > P2	✓ P1 > P2	ŧ P1 > P2
Stocking density-effect	ŧ SD+ > SD-	✓ SD+ > SD-	x SD+ vs. SD-
✓ P<0.05	× ns		

## Grazing exclusion cages were used to estimate forage selection

### Summary and Conclusions

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By intense rainfall events and high stocking density: Forage intake and digestibility of DM and OM decreased and soil intake increased maybe due to higher trampling and soiling of the forage. The percentage consumption of grasses and forbs increased.

In such situation, adapting stocking density may improve consumed forage quality and reduce soil intake 🐆



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