

## Accepted Manuscript

Effect of sole or combined administration of nitrate and 3-nitro-1-propionic acid on fermentation and *Salmonella* survivability in alfalfa-fed rumen cultures *in vitro*

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PII: S0960-8524(17)30032-9  
DOI: <http://dx.doi.org/10.1016/j.biortech.2017.01.012>  
Reference: BITE 17507

To appear in: *Bioresource Technology*

Received Date: 12 November 2016  
Revised Date: 6 January 2017  
Accepted Date: 7 January 2017

Please cite this article as: Correa, A.C., Trachsel, J., Allen, H.K., Corral-Luna, A., Gutierrez-Bañuelos, H., Ochoa-Garcia, P.A., Ruiz-Barrera, O., Hume, M.E., Callaway, T.R., Harvey, R.B., Beier, Ross.C., Anderson, R.C., Nisbet, D.J., Effect of sole or combined administration of nitrate and 3-nitro-1-propionic acid on fermentation and *Salmonella* survivability in alfalfa-fed rumen cultures *in vitro*, *Bioresource Technology* (2017), doi: <http://dx.doi.org/10.1016/j.biortech.2017.01.012>

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