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Title: Glycerine levels in the diets of crossbred bulls finished in feedlot: Apparent digestibility, feed intake and animal performance

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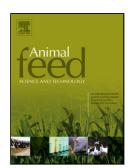
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ACCEPTED MANUSCRIPT

1	Glycerine levels in the diets of crossbred bulls finished in feedlot: apparent digestibility,
2	feed intake and animal performance
3	
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10	
11	Abstract
12	This work was carried out to study different levels of glycerine as a partial replacement of
13	corn on apparent digestibility, feed intake and efficiency and animal performance in young
14	Purunã bulls finished in a feedlot. This study used 40 Purunã bulls of 209 ± 33.3 kg live
15	weight and 8 ± 0.9 months old at the start of the experiment. The bulls were kept in a feedlot
16	for 240 days. The diets were as follows: no glycerine and glycerine added at 60, 120 and 178
17	g/kg DM. The apparent digestibility of nutrients increased with increasing glycerine in the
18	diet, with the exception of ether extract and neutral detergent fibre. Feed efficiency was
19	improved by increasing glycerine level in the diet. The feed intake and animal performance
20	were similar among the four diets.
21	Key words: Animal performance; Cattle; Feed efficiency; Energy, Glycerine
22	
23	1. Introduction

24 High global demand for energy has led to the increasing production and trade of biofuels, 25 especially liquid fuels for transportation to replace fossil energy sources, improve energy

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