

## Figure captions

Fig.1. Weather data from March to August 2014 (Red vertical lines show start and end date of the two experiments described).

Fig. 2. Chemical composition of grazed sward from Exp 1 and trends over each grazing week: panels "A"= crude protein (g/kg DM); "B"= neutral detergent fiber (g/kg DM); "C"= estimated NEL20 (MJ/kg DM); and "D"=estimated AAT20 (g/kg DM). Treatments: broken line = 7 days rotational grazing (7RG); dotted line = daily strip grazing (1SG) and solid line = daily forward grazing (1FG). [Black dot on day 1 indicate pregraze adaptation week samples where triplicate composite samples were analyzed for all groups regardless of treatments; days 8 to 14 stand for measurement week 1; days 15 to 21 stand for measurement week 2]

Fig. 3. Chemical composition of grazed sward from Exp 2 and trends over each grazing week: panels "A"= crude protein (g/kg DM); "B"= neutral detergent fiber (g/kg DM); "C"= NEL20 (MJ/kg DM); and "D"= AAT20 (g/kg DM). Treatments: broken line = 5 days rotational grazing (5RG); dotted line = daily strip grazing (1SG) and solid line = daily forward grazing (1FG). [Black dot on day 1 indicate pregraze adaptation week samples where triplicate composite samples were analyzed for all groups regardless of treatments; days 10 to 14 stand for measurement week 1; days 15 to 19 stand for measurement week 2]

Fig. 4. Grazing behaviour of cows. Time spent (min/h) on: (a) eating/grazing and (c) rumination during Exp 1 (7RG = 7 days rotational grazing; 1SG = daily strip grazing; and 1FG = daily forward grazing); (b) eating/grazing and (d) rumination during Exp 2 (5RG = 5 days rotational grazing; 1SG = daily strip grazing; and 1FG = daily forward grazing). Vertical broken lines demarcate sunrise and sunset to highlight duration of day length during each experiment: Exp1= 17:59:09 h and Exp 2= 15:43:48 h.

Fig.5. Trends in mean energy corrected milk yield of cows during Exp 1 (7RG = 7 days rotational grazing; 1SG = daily strip grazing; and 1FG = daily forward grazing) and Exp 2 (5RG = 5 days rotational grazing; 1SG = daily strip grazing; and 1FG = daily forward grazing).

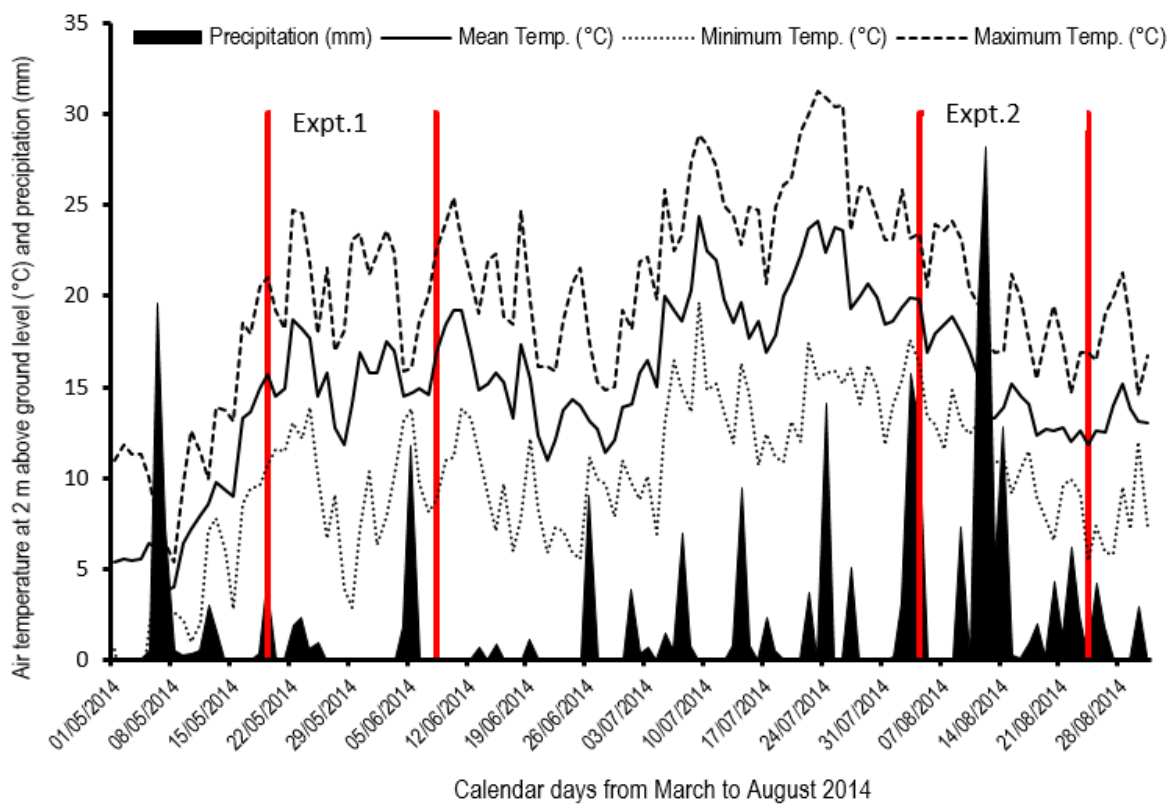


Fig. 1.

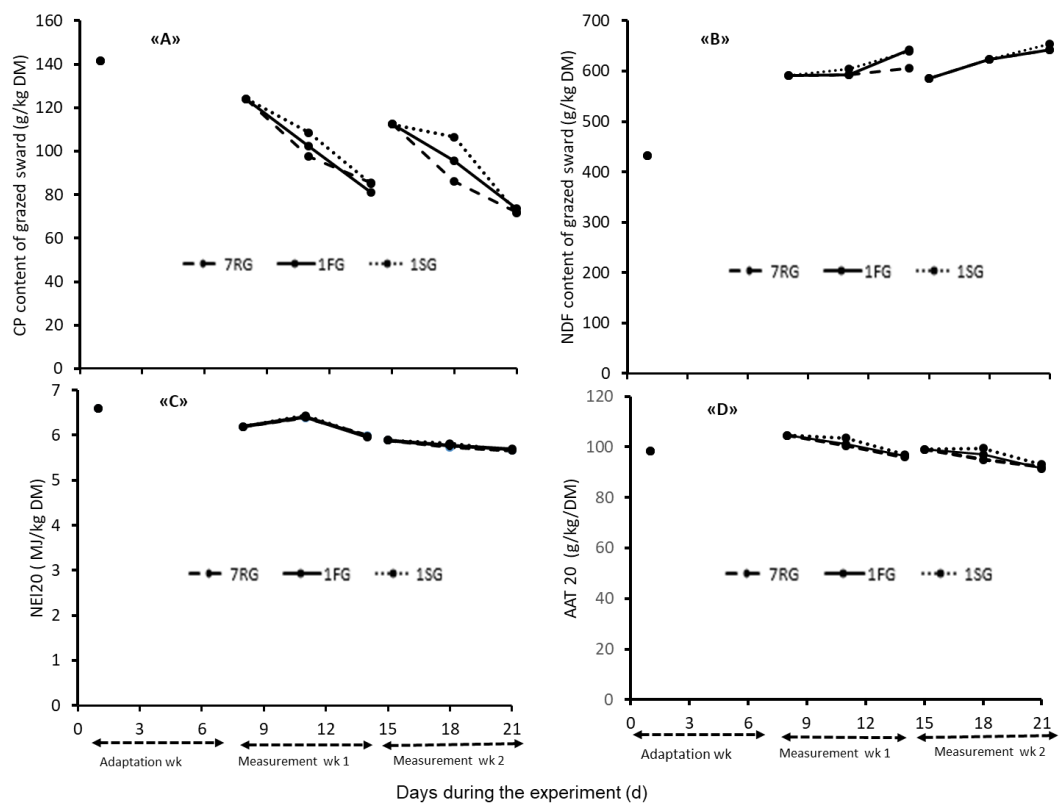


Fig. 2.

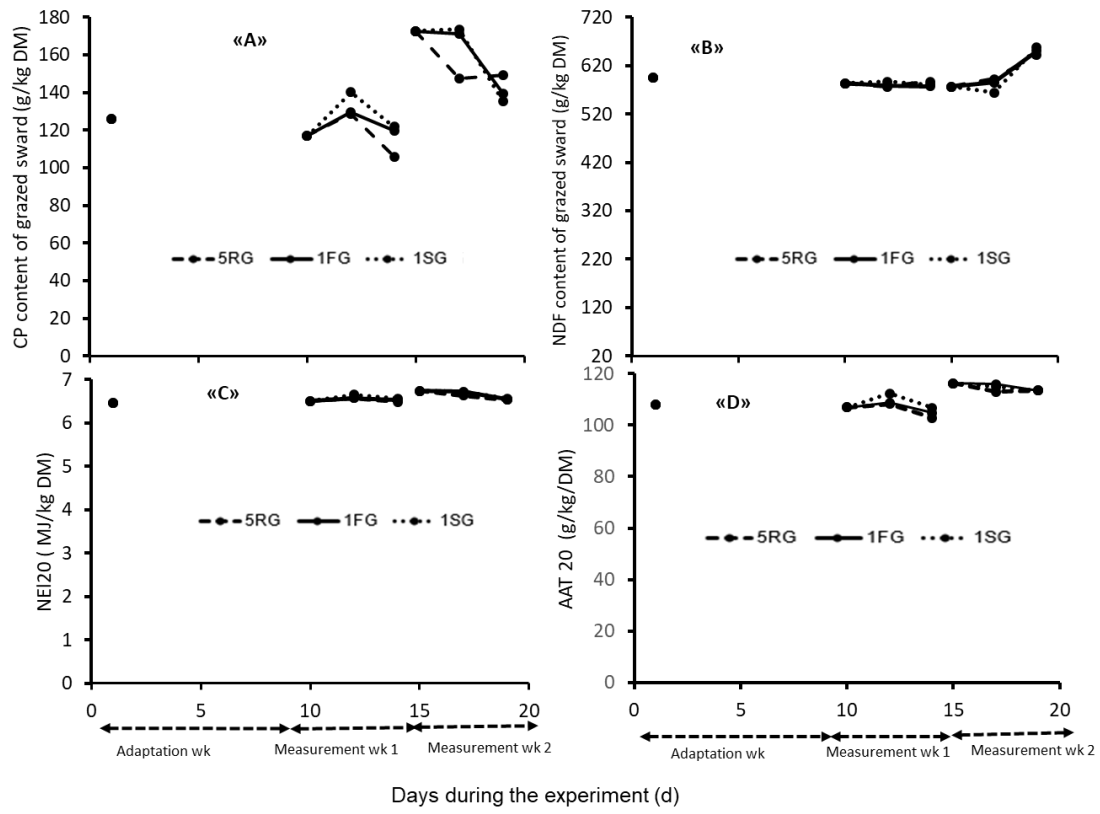


Fig. 3.

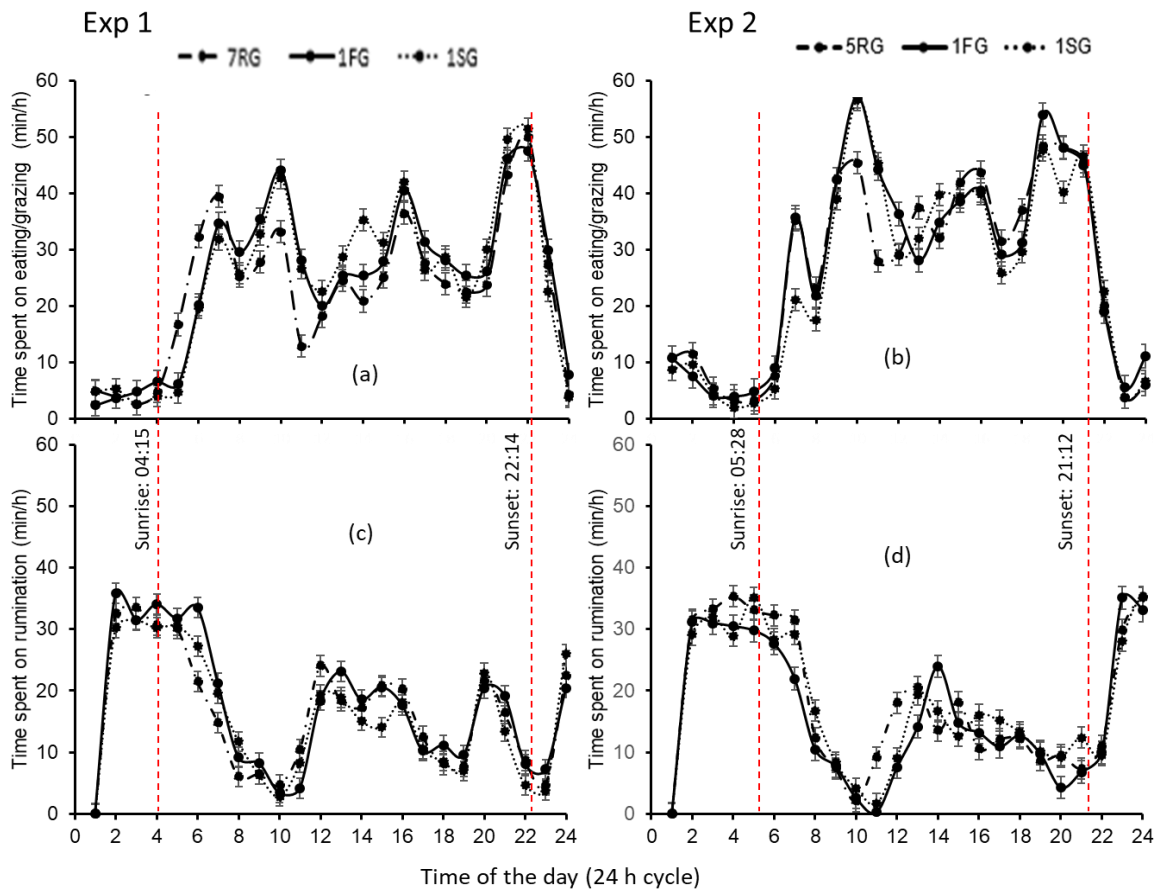


Figure 4

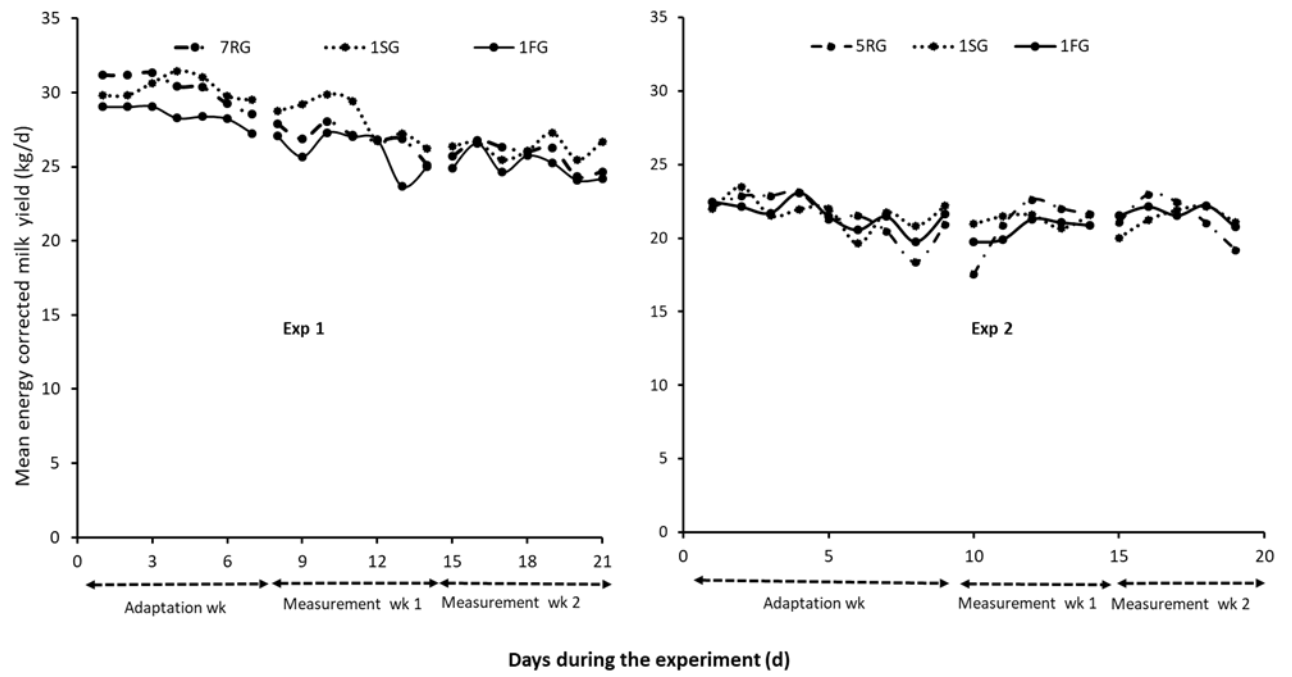


Figure 5