

SUPPLEMENTARY MATERIAL

Figure A.1. Nutritional blocks, collared wethers and typical landscapes at El Milagro ranch, Santa Cruz.

Figura A.1. Bloques nutricionales, capones con collares GPS y paisajes típicos de Estancia El Milagro, Santa Cruz.



Table A.1. Proportions of the different components used in the preparation of the nutritional blocks used on the range in the El Milagro ranch, Santa Cruz.

Tabla A.1. Proporción de los diferentes componentes usados en la preparación de los bloques nutricionales utilizados en los cuadros de pastoreo de la Estancia El Milagro, Santa Cruz.

Component	Percentage (%)
Sugar	25
Urea	10
Quicklime	10
Ground oats	30
Sunflower pellets	20
Gypsum (Magnesium + Calcium)	1
Mineral salts*	4

*Prelac Magnesium AP. Content: Calcium (216 g), Chlorine (42 g), Sodium (27 g), Magnesium (26.4 g), Phosphate (2.16 g), Zinc (1.255 mg), Manganese (1.067 mg), Iron (697 mg), Copper (152 mg), Iodine (17 mg), Cobalt (3.5 mg), Selenium (1.5 mg) and Excipients c.s.p. (1.000 g).

The composition of the blocks (Table A.1.) was defined by considering the goal of balancing the operability of the manufacturing, obtaining a high-quality nutritional product, as well as the capability of attracting the sheep. A total of 750 kg of nutritional supplement was manufactured per year, fractionated in 100 blocks of 7.5 kg each.

Table A.2. Average parameters (standard deviation) of quality evaluated regarding the nutritional blocks used on the range in the El Milagro ranch, Santa Cruz. Based on three random samples of the blocks and analyzed in the Animal Nutrition Laboratory of the National University of the South.

Tabla A.2. Parámetros promedio (desvío estándar) de la calidad evaluada sobre los bloques nutricionales usados en los cuadros de pastoreo de la Estancia El Milagro, Santa Cruz. Basado en tres muestras aleatorias de los bloques y analizado en el Laboratorio de Nutrición Animal de la Universidad Nacional del Sur.

Item	Result
Dry matter (%)	97.3 (0.4)
Crude Protein (%)*	43.6 (3.7)
Neutral detergent fiber (%)*	15.3 (1.7)
Digestibility of dry matter (%)	77 (1.3)
Metabolic Energy (Mcal/kg DM)	2.77 (0.06)

*Expressed as a percentage of dry matter

Figure A.2. Residuals *vs.* predicted for the fitted models presented in tables 1 and 2 of the results section. a) Model on the counts of sheep GPS points around a 500 m radius of the nutritional blocks; b) model on the daily proportion used by sheep in the paddock.

Figure A.2. Residuales *vs.* predichos para los modelos ajustados presentados en las tablas 1 y 2 de la sección de resultados. a) Modelo sobre los conteos de geoposiciones ovinas en torno a un radio de 500 m de los bloques nutricionales; b) modelo sobre la proporción diaria utilizada por los ovinos del cuadro ganadero.

