

**Table 1.** Chemical composition of the actual ingredients and nutrient composition of total mixed ration during the close-up dry period.

Item	RPL	CON
Ingredient composition		
Corn silage, kg DM/d	1.8	1.8
Grass silage, kg DM/d	6.7	6.7
Concentrate for dry cows <sup>(a)</sup> , kg DM/d	1.7	1.8
Rice bran, g DM/d	428	428
Vitamins, minerals, g DM/d	32	32
Rumen-protected lysine product <sup>(b)</sup> , g/d	80	-
Nutrient composition		
ME, Mcal/d	28.4	28.1
MP, g/d	1,019.5	1,000.6
NFC, % DM	27.7	27.9
NDF, % DM	45.2	45.5
CP, % DM	14.7	14.5
mLys, g/d	86.2	68.2
mMet, g/d	30.5	30.5

a) Farm aid 18 (nutrient composition on a DM basis: 18.0% CP, 2.0% crude fat, 10.0% crude fiber, 10.0% crude ash, 0.5% Ca, and 0.4% P; 74.0% TDN, including corn, rapeseed cake, soybean oil cake, corn gluten feed and corn distiller by-products, and bran; Snow Brand Seed Co. Ltd., Hokkaido, Japan).

b) AjiPro®-L (more than 40% lysine, 80.0% rumen bypass rate, 17.5% fecal excretion rate)

DM, Dry matter; ME, Metabolizable energy; MP, Metabolizable protein; NFC, Non-fibrous carbohydrates; NDF, Neutral detergent fiber; CP, crude protein; mLys, metabolizable lysine; mMet, metabolizable methionine.