IMPACT OF MACRO MINERAL NUTRIT2 Tc 0 N (M 35.7308 pe /F ,ò q Œ£ `ÞÌÖ ABSTRACT

Macro minerals (sodium (Na), potassium (K), calcium (Ca), and magnesium (Mg) are important and health. Overfeeding hands is not feasible by proper ingredient control, and application of discussed to excessive concentrations for evaluating mineral excretion, methods for estimating excretion on farms, and procedures for managing nutrient excretion on farms.

INTRODUCTION

Many relations are likely to also affect significant operating, equipment, and facility costs to the performance and health while accepting manure as the inevitable by

Analyze water supplies. Livestock water supplies typically have a very low concentration of macrominerals (see Table 4) and provide only a few grams of each mineral per day under normal water consumption rates (Socha et al., 2009; Castillo et al., 2007; Castillo et al., 2013). However, "worst case" water supplies can provide 50% or more of the animal's daily requirements for that nutrient (Table 4). Ration adjustments may be required if the livestock water supply has high mineral content. See Beede (2006) for a thorough discussion on water

Avoid free choice feeding of mineral. Supplemental salt and phosphorus minerals are

Avoid overfeeding Na and K to keep DCAD in the appropriate range and reduce mineral

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