

Effects of Ensiling of Citrus Pulp on the Chemical Composition of Citrus Pulp

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The aim of this study was to evaluate the effects of ensiling of citrus pulp on the chemical composition of citrus pulp. In this experiment, the whole citrus pulp was manually chopped (3-4 cm length) and then was ensiled under anaerobic conditions for 6 weeks. Each treatment has 4 replicates. After 42 days, trial silages were evaluated for chemical composition (CPS). Treatment 2 involved dried citrus pulp, provided from a factory that produces citrus juice, that resulted from drying wet citrus pulp at the end of production for feeding to cattle and sheep. Some of the wet citrus pulp manually dried in the sunshade (MDCP) for comparison with DCP and CPS for chemical composition. The data was analyzed by SAS (2004) program and Proc GLM in a completely randomizing design. Means were separated by Duncan test at 0.05 probability level. Results showed that there are significant differences between treatments for DM%, CP%, EE%, and Ash%. There were no significant differences between treatments for NDF% and ADF%. This study showed that ensiling the fresh citrus pulp instead drying of citrus pulp in factories can improve the CP% and Ash%.

Key Words: Citrus pulp silage, Dried citrus pulp