Relationship of Lime Treatments and Mo, Ca Fertilizer to Three Legume Species. (S04-wise090013-Poster)

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Abstract:

Legume crops are important forages for livestock production, but the yield and quality of legume crops are affected by soil acidity. This study was conducted to determine the effect of lime on redclover, white clover, and alfalfa production on an acid soil. In addition, the effect of molybdenum (Mo) and calcium (Ca) fertilizer on alfalfa yields was examined. In April 2000, 0.9, 1.6, 2.7, 4.6, and 8.2 Mg/ha of effective calcium carbonate equivalent lime were applied to plots. Ca and Mo fertilizers were applied to the lowest lime treatment of alfalfa plots. There were no significant differences in yields for the crops. Also, there was no significant increase in alfalfa yields as a result of Mo and Ca fertilization for this experiment.

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