

erated in molds (17) and in germinating legume seeds (7). The ease whereby the galactomannans as well as gum guar, tragacanth, and arabic were hydrolyzed by some commercial mold enzyme preparations was determined. Experimental results are summarized in Table IV.

Except in a few instances, the enzyme preparation referred to as Cellulase 36 degraded the galactomannans to monosaccharide units to the greatest extent (42 to 75%). Kleezyme was the least effective (30 to 52%). The galactan from *Centrosema* seed was degraded to galactose extensively by all three enzyme preparations. Guar gum was degraded to monosaccharide units only to the extent of 15 to 17% by Pectinol 10M and Kleezyme, respectively. Cellulase 36 degraded the gum to monosaccharide units to an extent of about 30%. Why guar gum was so much more resistant to the hydrolytic action of the enzymes was not investigated.

Mucilage from the leaves of *Leucaena glauca* was degraded by the enzymes in an interesting fashion. Both Kleezyme and Cellulase 36 removed almost all of the rhamnose units. Only a small proportion of the galactose residues were removed from the polymer, while 74 to 78% of the polymer was left in the form of larger oligosaccharide fragments. Pectinol 10M removed a smaller quantity of rhamnose and 85% of the polysaccharide remained as larger oligosaccharide fragments. In the case of gum arabic and gum tragacanth, considerable arabinose was removed, but in either case, the specific removal of a particular constituent was not as evident. The possibility exists that in the case of the mucilage from the leaves of *Leucaena glauca*, the rhamnose units may be terminal and the presence of a rhamnosidase accounted for the somewhat specific removal of these sugar residues.

Acknowledgment

The authors thank J. C. Moomaw, University of Hawaii, for supplying seed of some of the legume species. Samples of the commercial mold enzyme preparations were kindly supplied by G. G. Dull, Pineapple Research Institute, Honolulu, Hawaii.

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Received for review January 18, 1961. Accepted June 12, 1961. Published with the approval of the Director, Hawaii Agricultural Experiment Station, as Technical Paper, Paper No. 501.

Correction

Chelometric Titration of Calcium and Magnesium in Plant Tissue. Method for Elimination of Interfering Ions

In this article by R. M. Carlson and C. M. Johnson [*J. Agr. Food Chem.* **9**, 460 (1961)], the following corrections should be made:

On page 460, column 2, line 24, the order: Mg < Ca < Mn < Al < Zn should read the order: Mg < Ca < Mn < Al < Zn. On page 461, column 1, line 19 of the paragraph titled "Anion Exchange Columns": CyDTA and washing with 2 ml. of should read CyDTA and washing with 20 ml. of. On page 462, column 2, the first sentence should read: Five plant tissue samples were analyzed for calcium and magnesium in 11 replicates each, using the dry-washing technique. (The comma should come after the word "each" instead of before it.)