

HERITABILITY OF RAW RUBBER PROPERTIES IN A HEVEA POPULATION

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Raw rubber properties such as Mooney viscosity, Plasticity Retention Index, Ash, Volatile Matter, Nitrogen and Dirt Content were measured in a population of 190 clones from 26 families of hand pollinated origin. The heritability of these raw rubber properties was found to be low in this population.

Correlations between measurements of hardness of rubber such as Wallace Plasticity and Mooney Viscosity are obviously significant as essentially different measurements of the same parameter. Nitrogen Content was found to be significantly correlated at 1% level with Wallace Plasticity.

Increased hardness of rubber with increasing cation content is indicated by significant correlation of Wallace Plasticity with Ash Content.