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Effect of Pectimorf® - A traditional growth regulator on the development and distribution in clones 'CMC-40' and 'Señorita' of Cassava (*Manihot esculenta* Crantz) stomata

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ABSTRACT:

The development of more efficient and sustainable technologies in the production of materials in '*in vitro*' cassava (*Manihot esculenta* Crantz), favor the improvement of seed quality and sanitation of the plant material. The purpose of the research is to evaluate the effectiveness of Pectimorf® (mixed oligo-galacturonide), it's safe and natural availability in Cuba. It is used as a possible complement or substitute for growth regulators traditionally used in the culture medium for the propagation of this crop *in vitro*. In this study, the results obtained indicate that, at least, under the experimental conditions, the Pectimorf®, altered patterns of development and distribution of stomata in the leaves of cassava plants, where the effect was most evident when the product is added to the culture medium. The new results contribute to the elucidation of the mechanisms of action of this substance.

Keywords:
Cassava, Medium, Plant anatomy, Stoma, Oligosaccharides.

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