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“Global food security and food safety:
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Growing Agricultural Sector in Colombia and Prospectives. Case of Avocado Hass

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Abstract

Latin-American it will be the future Food Reserve in 2050, according to FAO. Colombia, one of the Latinoamerican countries with a sustained growth on agriculture during the last 10 years (6 %), involving production volumes and real agricultural incomes. After the peace process that Colombia is living, the agriculture is one of the emerging sectors. According Rojas et al. (2016) Colombia has limitations in its agricultural sector related to technological gaps, presenting difficulties at the industrial level, inefficient commercialisation, poor investment on infrastructures, among others.

The Colombian government and the research institution Corpoica (Corporación Colombiana de Investigación Agropecuaria) are working to reduce these difficulties of the agricultural producers, by means of the agricultural technological offer proposals for the producers and structuring a national system of agriculture innovation. Since 2018 the Colombian government is promoting cofounded research projects to minimise these technological gaps based on producers' demands and roadmaps, which are developed by means of enterprises and research centres. Additionally since 2015 the public programme “Plan Semilla” is addressed to renew ageing plantations in 17 conventional crop tillages (250 000 hectares annually) important on the Global food security and peasant agriculture.

Avocado Hass (*Persea Americana*) crop in Colombia, is experiencing a recent rise of agricultural expansion, considering national consume and exportation of quality fruits. Particularly for avocado Hass, between 2014 and 2017 a research project funded by the Colombian government was carried in Corpoica to characterise the socioeconomical sector and the territorial zoning perspectives of the avocado Hass in Antioquia Colombia, considering biotic, environmental and socioeconomical parameters by means of field work and research.

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