



**INTEGRATED ACTIONS TO INTRODUCE ANDEAN ROOT YACON
(SMALLANTHUS SONCHIFOLIUS POEP & ENDL) IN ESPIRITO SANTO STATE:
AUTUMN PLANTING AT LOW ALTITUDE AND HIGH TEMPERATURES**

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Yacon (*Smallanthus sonchifolius* Poep. & Endl.) is native to the Andes, at altitudes from 1500 to 3200m with wide climate adaptation whose roots are high content in inulin, has attracted attention as functional food and medicine for consumption 'in natura' and dietary products industry. In order to promote innovation and agroecological gardens as option for crop diversification in agriculture local family. Was introduced at the Municipal School of Agricultural in Afonso Claudio City, Espírito Santo State-Brazil, with 200m altitude, as space for learning and teaching in the discipline "Agricultural Techniques" for children and adolescents, the period of activity was from March 2010 to March 2012. To introduce the school was set up a participatory research, in May 2010 (autumn) and the last harvest in February 2011, to study the behavior of the plant in different management systems (0.80 x 0.40 m and 1.0 x 0.50 m; planting in ridges and grooves), with and without use of substrate for soil moisture retention, use of mulching (rice straw) in all treatments. Phytotechnical and phytosanity evaluation in plant and seedlings. Has the occurrence of the fungus *Sclerotium rolfsii* in rhizophores stored for next crops; ant occurrence in roots maturing due sweet taste, occurred as a result of root rot; besides the occurrence of caterpillar on the leaves-not yet identified. Harvests indicated low productivity in all treatments proving the necessity of research on crops techniques to enrich management agroecosystems.