

LIFE Low Carbon Feed - Climate Change Mitigation through an innovative goat feed based on agricultural waste recycling

LIFE16CCM/ES/000088



Recovery of 69,43 tons of citrus waste and 18,73 tons of rice straw for its conversion into feed

<p>Responsible partner/s:</p>	<p>La Unió de Llauradors i Ramaders</p>
<p>Deliverable*:</p>	<p>Action C.1.</p>
<p>Development:</p>	<p>A Logistic Plan for the collection and transportation of citrus pruning residues and rice straw was carried out, detailing the required characteristics and adequate conditions, to revalue and treat these two agricultural residues as part of the new animal feed.</p> <p>The Logistics Plan analyzed different alternatives of methodologies, procedures, machinery or equipment, in such a way that it was possible to compare and select the most suitable one, to achieve a reduction in costs, times and, above all, a reduction in the contamination generated by each activity.</p> <p>The ratios and parameters obtained, derived from the logistics processes, were obtained after several field visits in which necessary information was taken regarding the times and quantities of different phases: crushing, collection, loading, transport, unloading, etc. Likewise, other data such as surfaces, people working or travel speeds were taken.</p>
<p>Results obtained:</p>	<p>At the end of this action, 69,43 tons of citrus residues and 18,73 tons of rice straw residues were collected, the latter value being slightly lower than that foreseen in the proposal (25 tons).</p> <p>The 10 control parameters planned to be studied in both residues were increased to the point of making possible the analysis of 32 controlled parameters in rice straw and 13 parameters in the case of citrus residues; greater control over the parameters allows to increase possible logistical performances, as well as to decrease costs.</p> <div data-bbox="429 1527 1500 1910" data-label="Image"> </div> <p style="text-align: center;">Image 1. Collection of residues of rice straw (left) and citrus pruning (right)</p>

* Available on this website.