MODERN RICE PROCESSING TECHNIQUES USING SOLAR DRYER IN TOGO

RUTH ATCHOGLO, Agro bio engineer in Togo

Buying of Tové rice -> Solar drying -> Milling -> Packaging of rice into 1 kg, 2 kg, 5 kg -> Selling

Background and objective

Togo population: 7,990,926 inh (FAOSTAT 2016)

Rice is as a daily menu of Togolese

Problems: drying system non hygienic, insufficiency of drying area and processed rice factory

Objective: Improve the performance of rice sector in Togo using Solar bubble dryer and improved packaging

SOLUTION: use solar bubble dryer to dry the paddy for milling and selling

Financial performance

<table>
<thead>
<tr>
<th></th>
<th>Thousand FCFA</th>
<th>Thousand Euro</th>
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</thead>
<tbody>
<tr>
<td>Gross output</td>
<td>384,000</td>
<td>586</td>
</tr>
<tr>
<td>Cost</td>
<td>303,420</td>
<td>463</td>
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<tr>
<td>Profit</td>
<td>805,795.52</td>
<td>123</td>
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