INTRODUCTION;

COUNTRY;  UGANDA


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2) MAIZE

Milling industry structure

<table>
<thead>
<tr>
<th>SCALE</th>
<th>EST.CAP. MT/DAY</th>
<th>NUMBER (ESTIMATED)</th>
<th>LOCATION</th>
<th>AV.CAPACITY UTILIZATION</th>
<th>TYPE OF MILLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Mills</td>
<td>50mt</td>
<td>6</td>
<td>Kampala, Jinja and Wakiso</td>
<td>20%</td>
<td>Roller Mills</td>
</tr>
<tr>
<td>Medium Mills</td>
<td>10 – 50mt</td>
<td>50</td>
<td>Kampala, Jinja, Wakiso and Mbarara</td>
<td>25%</td>
<td>Roller and Hammer Mills</td>
</tr>
<tr>
<td>Small Mills</td>
<td>10 mt</td>
<td>500</td>
<td>Scattered all over the country in towns and trading centers</td>
<td>50%</td>
<td>All hammer mills</td>
</tr>
</tbody>
</table>

PRODUCTION OUTPUTS ON HAMMER MILLS

While assembling the machine, consideration must be made on the size in horse powers since most hammer mills are locally fabricated.

<table>
<thead>
<tr>
<th>SIZE OF MACHINE</th>
<th>TARGETED OUTPUT</th>
<th>TIME TAKEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>100HP</td>
<td>100kgs</td>
<td>8min</td>
</tr>
<tr>
<td>75HP</td>
<td>100kgs</td>
<td>8min</td>
</tr>
<tr>
<td>60-65HP</td>
<td>100kgs</td>
<td>10min</td>
</tr>
<tr>
<td>50 – 55HP</td>
<td>100kgs</td>
<td>12min</td>
</tr>
<tr>
<td>40 -45HP</td>
<td>100kgs</td>
<td>14min</td>
</tr>
</tbody>
</table>

Thats if all the operations conditions are constant.
PACKAGING

1 - 100kgs
2 - 50kgs
3 - 25kgs
4 - 10kgs
5 - 5kgs
6 - 2kgs
7 - 1kgs

STATUS OF FORTIFICATION IN UGANDA

- Small mills do not fortify
- Most of the medium mills as well do not fortify.
- A few large mills do carry out fortification.

However not all the flour from the large mills and medium mills that carry out fortification is fortified.

MAIN CHALLENGES TO IMPLEMENT MAIZE FLOUR FORTIFICATION.

- Most Fortifications are not readily available in the country.
  They have to be imported.
- Sourcing of the dosers is not easy.
- Selecting of the correct dozers is a challenge.
- Fortificants have to be kept under cool storage. This increases on power costs.
- Knowledge to carry out fortification is not common.
- Lack of quality control labs at the milling facilities.
- Delay of the release of results of micronutrients / tracers by accredited labs.