**COSTOS DE PRODUCCION POR HECTAREA (Bs.)**

**CULTIVO MANZANA**

<table>
<thead>
<tr>
<th>DEPARTAMENTO</th>
<th>La Paz</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUNICIPIO</td>
<td>Sapahaqui</td>
</tr>
<tr>
<td>CAMPAÑA AGRICOLA</td>
<td>Huancollo 2012/2013</td>
</tr>
<tr>
<td>VARIEDAD</td>
<td>California, Chilena</td>
</tr>
<tr>
<td>NIVEL TECNOLÓGICO</td>
<td>Tradicional</td>
</tr>
<tr>
<td>MES DE SIEMBRA</td>
<td>Cultivo Perene</td>
</tr>
<tr>
<td>PERÍODO VEGETATIVO</td>
<td>60 meses</td>
</tr>
</tbody>
</table>

### 1. COSTOS DIRECTOS

#### A. GASTOS DE CULTIVO

1. **Mano de Obra:**
   - **Preparación de terreno**
     - Desmalezado: jornal 5, valor 70,0, costo 350,0
     - Carpida (couspi): jornal 20, valor 70,0, costo 1,400,0
     - Limpieza y nivelado: jornal 5, valor 70,0, costo 350,0
   - **Plantación**
     - Apertura de hoyos: jornal 10, valor 70,0, costo 700,0
     - Transplante de 850 plantas: jornal 10, valor 70,0, costo 700,0
     - Refalle: jornal 2, valor 70,0, costo 140,0
   - **Abonamiento**
     - jornal 5, valor 70,0, costo 350,0
   - **Labores Culturales**
     - Tratamiento fitosanitario (12 v): jornal 2, valor 70,0, costo 140,0
     - Deshierbe y abonado: jornal 10, valor 70,0, costo 700,0
     - Riego cada 15 días (6 meses): jornal 24, valor 70,0, costo 1,680,0
     - Poda de formacion: jornal 3, valor 70,0, costo 210,0
   - **Control Fitosanitario**
     - jornal 3, valor 70,0, costo 210,0

#### SUB-TOTAL DE MANO DE OBRA

<table>
<thead>
<tr>
<th>AÑO</th>
<th>UNIDAD</th>
<th>Nº</th>
<th>VALOR</th>
<th>COSTO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MEDIDA</td>
<td></td>
<td>(Bs.)</td>
<td>(Bs.)</td>
</tr>
<tr>
<td>AÑO 1</td>
<td>jornal</td>
<td>5</td>
<td>70,0</td>
<td>350,0</td>
</tr>
<tr>
<td>AÑO 2</td>
<td>jornal</td>
<td>2</td>
<td>70,0</td>
<td>140,0</td>
</tr>
<tr>
<td>AÑO 3</td>
<td>jornal</td>
<td>5</td>
<td>70,0</td>
<td>350,0</td>
</tr>
<tr>
<td>AÑO 4</td>
<td>jornal</td>
<td>5</td>
<td>70,0</td>
<td>350,0</td>
</tr>
<tr>
<td>AÑO 5</td>
<td>jornal</td>
<td>5</td>
<td>70,0</td>
<td>350,0</td>
</tr>
</tbody>
</table>

#### 2. Maquinaria Agrícola y/o Traccion animal

<table>
<thead>
<tr>
<th>AÑO</th>
<th>UNIDAD</th>
<th>Nº</th>
<th>VALOR</th>
<th>COSTO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MEDIDA</td>
<td></td>
<td>(Bs.)</td>
<td>(Bs.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### SUB-TOTAL DE MAQUINARIA AGRICOLA y/o TRACCION ANIMAL

<table>
<thead>
<tr>
<th>AÑO</th>
<th>UNIDAD</th>
<th>Nº</th>
<th>VALOR</th>
<th>COSTO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MEDIDA</td>
<td></td>
<td>(Bs.)</td>
<td>(Bs.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUB-TOTAL DE MANO DE OBRA:** 6,230,0

**SUB-TOTAL DE MAQUINARIA AGRICOLA y/o TRACCION ANIMAL:** 0,0
<table>
<thead>
<tr>
<th><strong>3.1 Plantines</strong></th>
<th><strong>plantin</strong></th>
<th>850</th>
<th>5,0</th>
<th>4.250,0</th>
<th><strong>plantin</strong></th>
<th>40</th>
<th>5,0</th>
<th>200,0</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3.2 Fertilizantes Organicos (bioles)</strong></td>
<td><strong>Lt</strong></td>
<td>5</td>
<td>5,0</td>
<td>25,0</td>
<td><strong>Lt</strong></td>
<td>10</td>
<td>10,0</td>
<td>100,0</td>
</tr>
<tr>
<td><strong>3.3 Estércol</strong></td>
<td><strong>qq</strong></td>
<td>80</td>
<td>5,0</td>
<td>400,0</td>
<td><strong>Lt</strong></td>
<td>10</td>
<td>10,0</td>
<td>100,0</td>
</tr>
<tr>
<td><strong>3.4 Pesticidas</strong></td>
<td><strong>Azufre</strong></td>
<td><strong>qq</strong></td>
<td>0,5</td>
<td>650,0</td>
<td><strong>Lt</strong></td>
<td>10</td>
<td>10,0</td>
<td>100,0</td>
</tr>
<tr>
<td><strong>3.5 Materiales</strong></td>
<td><strong>Estiércol</strong></td>
<td><strong>qq</strong></td>
<td>80</td>
<td>5,0</td>
<td>400,0</td>
<td><strong>Lt</strong></td>
<td>10</td>
<td>10,0</td>
</tr>
<tr>
<td><strong>3.6 Herbicidas y fungicidas</strong></td>
<td><strong>Kg</strong></td>
<td>3</td>
<td>80,0</td>
<td>240,0</td>
<td><strong>Kg</strong></td>
<td>5</td>
<td>80,0</td>
<td>400,0</td>
</tr>
<tr>
<td><strong>Canastas y otros</strong></td>
<td><strong>unidad</strong></td>
<td>10</td>
<td>50,0</td>
<td>500,0</td>
<td><strong>unidad</strong></td>
<td>10</td>
<td>50,0</td>
<td>500,0</td>
</tr>
</tbody>
</table>

**SUB-TOTAL DE INSUMOS** 5.240,0 1.350,0 1.550,0 2.050,0 2.700,0

<table>
<thead>
<tr>
<th><strong>B. GASTOS GENERALES</strong></th>
<th>1. Imprevistos (10%) cultivo</th>
<th>917,0</th>
<th>917,0</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C. ALQUILER DE TERRENO</strong></td>
<td>Periodo vegetativo del cultivo</td>
<td>0,0</td>
<td>0,0</td>
</tr>
<tr>
<td><strong>SUB-TOTAL DE ALQUILER DE TERRENO</strong></td>
<td>0,0</td>
<td>0,0</td>
<td>0,0</td>
</tr>
</tbody>
</table>

| **D. DEPRECIACION** | Herramientas y equipo | global | 136,3 | 136,3 |
|---------------------|-----------------------|-------|-------|
| **SUB-TOTAL DEPRECIACION** | 136,3 | 136,3 | 136,3 |

**TOTAL DE COSTOS DIRECTOS (A+B+C+D)** 11.606,3 5.616,3 6.656,3 7.906,3 10.223,3

<table>
<thead>
<tr>
<th><strong>II.- COSTOS INDIRECTOS</strong></th>
<th>A. Costos Financieros (1.58% C.D./mes)</th>
<th>0,0</th>
<th>0,0</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TOTAL DE COSTOS INDIRECTOS</strong></td>
<td>0,0</td>
<td>0,0</td>
<td>0,0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>III.- COSTO TOTAL DE PRODUCCION</strong></th>
<th>11.606,3</th>
<th>5.616,3</th>
<th>6.656,3</th>
<th>7.906,3</th>
<th>10.223,3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rendimiento Probable (kg./ha.)</strong></td>
<td>0,0</td>
<td>0,0</td>
<td>0,0</td>
<td>6.000,0</td>
<td>3.881,0</td>
</tr>
</tbody>
</table>