### COMPOSICIÓN DE LA GALLINAZA CON DIFERENTES TIPOS DE CAMA EN COSTA RICA

<table>
<thead>
<tr>
<th>NUTRIENTE</th>
<th>BORUCHA</th>
<th>SIN CAMA</th>
<th>TOTAL</th>
<th>PROMEDIO</th>
<th>DE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humedad %</td>
<td>12.60</td>
<td>10.20</td>
<td>10.40</td>
<td>4.40</td>
<td></td>
</tr>
<tr>
<td>Cenizas %</td>
<td>28.50</td>
<td>26.90</td>
<td>26.90</td>
<td>9.00</td>
<td></td>
</tr>
<tr>
<td>Fibra Cruda %</td>
<td>15.90</td>
<td>10.80</td>
<td>11.30</td>
<td>5.70</td>
<td></td>
</tr>
<tr>
<td>Extracto Etéreo %</td>
<td>1.00</td>
<td>1.70</td>
<td>1.70</td>
<td>0.90</td>
<td></td>
</tr>
<tr>
<td>E.L.N. %</td>
<td>22.80</td>
<td>26.80</td>
<td>26.30</td>
<td>6.80</td>
<td></td>
</tr>
<tr>
<td>Proteína Cruda %</td>
<td>14.50</td>
<td>17.80</td>
<td>17.70</td>
<td>6.10</td>
<td></td>
</tr>
<tr>
<td>Calcio %</td>
<td>5.44</td>
<td>6.29</td>
<td>6.13</td>
<td>2.78</td>
<td></td>
</tr>
<tr>
<td>Fósforo %</td>
<td>1.00</td>
<td>2.18</td>
<td>2.06</td>
<td>0.77</td>
<td></td>
</tr>
<tr>
<td>Cobre mg/kg</td>
<td>34.00</td>
<td>34.00</td>
<td>34.00</td>
<td>7.00</td>
<td></td>
</tr>
<tr>
<td>Hierro mg/kg</td>
<td>3.585.00</td>
<td>5.319.00</td>
<td>5.027.00</td>
<td>2.409.00</td>
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</tr>
<tr>
<td>Zinc mg/kg</td>
<td>283.00</td>
<td>215.00</td>
<td>226.00</td>
<td>84.00</td>
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</tr>
<tr>
<td>Magnesio %</td>
<td>--</td>
<td>0.46</td>
<td>0.46</td>
<td>0.15</td>
<td></td>
</tr>
<tr>
<td>Manganese mg/kg</td>
<td>--</td>
<td>486.00</td>
<td>486.00</td>
<td>65.00</td>
<td></td>
</tr>
<tr>
<td>Sodio mg/kg</td>
<td>--</td>
<td>180.00</td>
<td>180.00</td>
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<td></td>
</tr>
<tr>
<td>Potasio %</td>
<td>2.01</td>
<td>2.01</td>
<td>2.01</td>
<td>0.18</td>
<td></td>
</tr>
<tr>
<td>DIVMS %</td>
<td>--</td>
<td>86.40</td>
<td>86.40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TDN Bovino %</td>
<td>--</td>
<td>36.00</td>
<td>36.00</td>
<td>8.30</td>
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</tr>
<tr>
<td>ED Bovino Kcal/kg</td>
<td>--</td>
<td>1.748.00</td>
<td>1.748.00</td>
<td>364.00</td>
<td></td>
</tr>
<tr>
<td>EM Bovino Kcal/kg</td>
<td>--</td>
<td>1.389.00</td>
<td>1.389.00</td>
<td>37.00</td>
<td></td>
</tr>
</tbody>
</table>

**FUENTE:** Base de datos de composición de alimentos CINA. 1993.

**NOTA:** Información adaptada de investigaciones realizadas por el Dr. Emilio Vargas del CINA-U CR.

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**MAG**

**PROGASA**

SISTEMA INSTITUCIONAL DE INVESTIGACIONES AGROPECUARIAS

**BOLETIN INFORMATIVO SOBRE EL USO DE SUBPRODUCTOS**

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**LA GALLINAZA**

Adaptado por:
Ing. Johnny Hernández Alvarado
Ing. Argerie Cruz Méndez

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**PARA MAYOR INFORMACION COMUNICARSE CON EL ING. JOHNNY HERNANDEZ O LA ING. ARGERIE CRUZ . MINISTERIO DE AGRICULTURA Y GANADERIA APDO. 10094-1000, SAN JOSE, COSTA RICA FAX (506) 296 0858. E. MAIL: argerie@hotmail.com**

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