Innovations for Enhanced Livestock Productivity

Iain A Wright
24 August 2015
4 of 5 highest value global commodities are livestock

Cow milk has overtaken rice

Eggs have displaced maize

FAOSTAT 2014 (values for 2012)
Gains in meat consumption in developing countries are outpacing those of developed countries.
Livestock sector in Pakistan

- Contribute 11.9% of GDP
- Contributes 55.4% of Ag GDP
- Employs 35M people
Large productivity gaps

Source: (Steinfeld et al 2006; FAO 2003)

Milk (kg/cow/yr)

<table>
<thead>
<tr>
<th></th>
<th>1980</th>
<th>2005</th>
</tr>
</thead>
<tbody>
<tr>
<td>Africa</td>
<td>411</td>
<td>397</td>
</tr>
<tr>
<td>Latin America</td>
<td>1021</td>
<td>1380</td>
</tr>
<tr>
<td>South Asia</td>
<td>517</td>
<td>904</td>
</tr>
<tr>
<td>Industrialized Countries</td>
<td>4226</td>
<td>6350</td>
</tr>
</tbody>
</table>

Pakistan
- Buffaloes: 2,353 kg
- Cows: 1,450 kg

Source: (Steinfeld et al 2006; FAO 2003)
Effects of improving health care and value chain links on producer profits (% change)
Market pull – the value chain
Stimulating improved value chain performance

- Feeding
- Health
- Breeding
- Management
- Knowledge
- Finance
- Collective action
- Adding value
- Consumers
- Quality
- Price
- Food safety
- Inputs & Services
- Production
- Processing
- Marketing

- Stimulating improved value chain performance
- Feeding
- Health
- Breeding
- Management
- Knowledge
- Finance
- Collective action
- Adding value
- Consumers
- Quality
- Price
- Food safety
- Inputs & Services
- Production
- Processing
- Marketing
better lives through livestock

ilri.org