

Opportunities of emerging feed market in northern Ghana

S. P. Konlan¹, A. A. Ayantunde², F. K. Avornyo¹, W. Addah³ and H. K. Dei³

¹ Council for Scientific and Industrial Research – Animal Research Institute, Box 52, Tamale, Ghana

² International Livestock Research Institute, c/o CIFOR, 06 BP 9478 Ouagadougou, Burkina Faso

³ University for Development Studies, Department of Animal Science, P. O, Box TL 1350 Tamale, Ghana

Corresponding author email: kspigangsoa@yahoo.com

Key research activities

- Feed market survey was conducted in 3 main markets (Tamale, Bolgatanga and Wa).
- Semi-structured questionnaire was used to gather data on quarterly basis across seasons for one year.
- Samples of feed sold were bought from 3 different sellers for each feed type per market and determined price of feed per kg

Results and main findings

- Over 60% of the respondents were feed buyers (Table 1.)
- Crop residues, agro-industrial by-products (bran of maize, rice and sorghum), fresh grass (*Rotteboellia cochinchinensis*) and local browses (*Ficus sp*, *Azalia sp* and *Pterocarpus erinaceus*) were sold.
- Feed prices were high in Bolgatanga market (Fig. 1). Prices of cereal bran had no significant difference across seasons
- Crop residues prices were significantly higher in dry season ($P < 0.05$).
- Cowpea haulm recorded the highest mean price (Table 2).
- Major constraints were lack of storage facilities and market stalls

Implications of the research for generating development outcomes

- Development of the emerging feed market through establishment of stalls with storage facilities will help increase feed sales, income generation and availability of feed for livestock
- It provide job opportunity for employment and poverty reduction
- The growth of the feed market will trigger the cultivation of more feed/feed crops for sale of grain and residues

How this work would continue in Africa RISING phase 2

Further studies could be done on the volume of feed sold and income generated by feed sellers across seasons to fully understand the features of the emerging feed market



A livestock feed market in northern Ghana

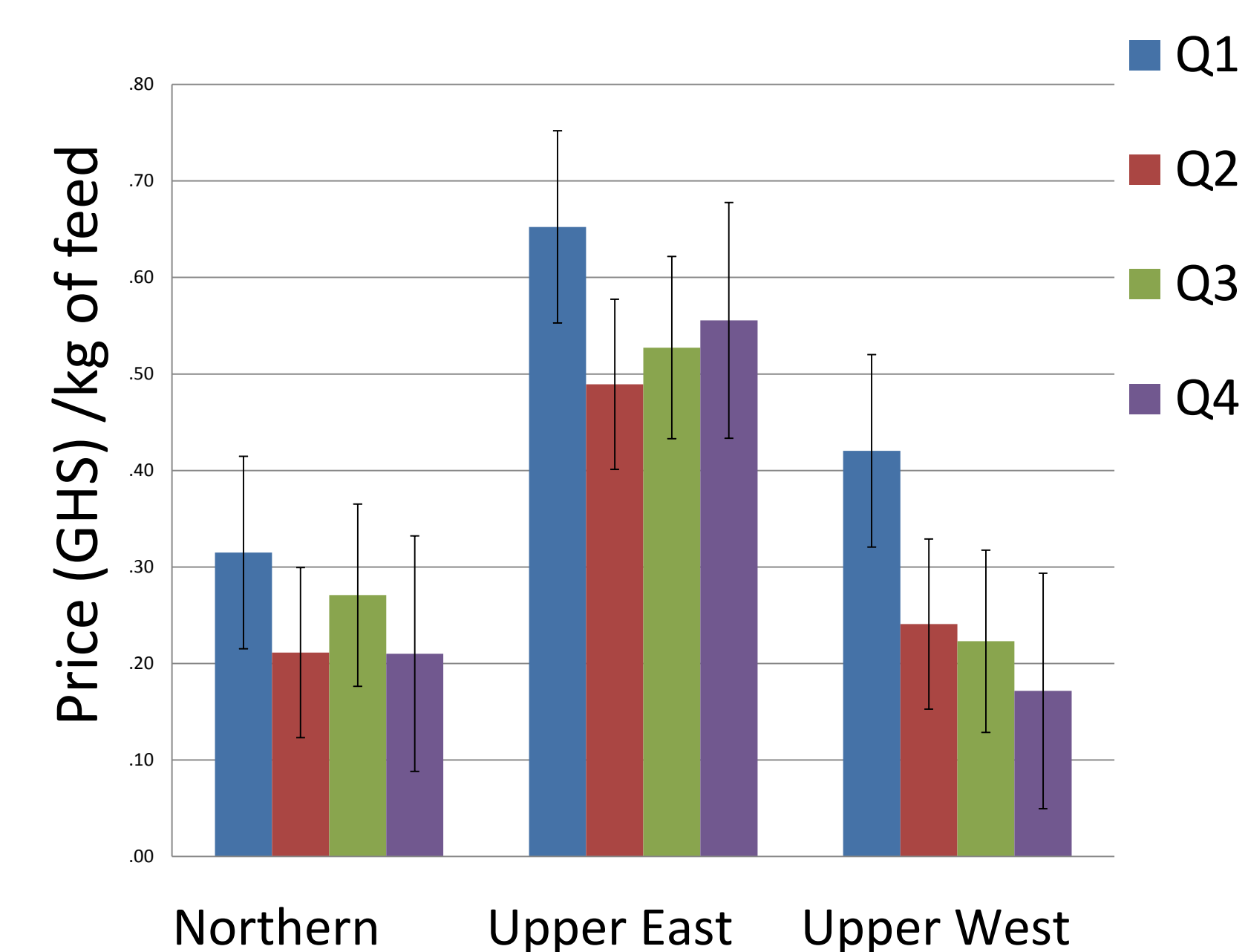


Figure 1: Quarterly (Q1-4) mean feed prices in the study area

Table 1: Percentage of respondents

Respondent	Wa	Bolgatanga	Tamale	Total
Sellers %	20.5	4.4	3.0	27.8
Buyers %	8.9	30.2	26.6	65.7
Both %	0.6	4.1	1.8	6.5
Total %	32.0	36.7	31.4	100.0

Table 2: Common feed traded by feed sellers and buyers

Feed name	Nature of feed	Mean price (GHS/kg) adb*
Maize bran	Dry maize bran from grain	0.46
Groundnut haulms	Harvested dry groundnut tops	0.35
Cowpea haulm	Cowpea vines and leaves	0.62
<i>Ficus sp</i>	Fresh leaves and twigs	0.34
<i>Pterocarpus erinaceus</i>	Fresh leaves and twigs	0.34
<i>Azalia sp</i>	Fresh leaves and twigs	0.27
Sorghum bran	Dry bran from grain	0.23
Rice bran	Seed testa and husk	0.14

Key: 1 USD ≈ 3.05 GHS, GHS; Ghana cedis, adb* = air dry basis

Current partnerships and future engagements for out scaling

University for Development Studies (UDS) and Ministry of Food and Agriculture (MoFA)