Linkage Between Large Cardamom (Amomum subulatum, **Roxburg)** Value Chain and Food and Nutritional Security in **Bhojpur District of Nepal**

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Introduction

In Nepal, over 21,960 households in 51 districts are engaged in large cardamom (LC) farming (MoAD, 2017). KC and Upreti (2017) reported that farmers of Illam (eastern hill) depend on income from LC for fulfilling their need of food, health services, education, and paying their debts.





Objective

- Examine value chain map of large cardamom.
- Find the role of LC in maintaining food nutritional security among LC & growers.

Methodology

The research was conducted in major growing municipality Of cardamom Bhojpur district. Altogether 150 LC growers and 40 traders were chosen for study. Collected information was analyzed using SPSS 20, MS-Excel and STATA 12. and nutritional security Food was analyzed using food security index and dietary diversity score respectively.

| Local | (812) | 4.5) | | | | |
|----------------------|---------|------|---|------|---|-----|
| collector | | | | | | |
| Farmer \rightarrow | 105 | 5.32 | | 1.56 | | 5-8 |
| Medium | (1231 | 2.8) | | | | |
| trader | | | | | | |
| Farmer \rightarrow | 127 | 7.42 | | 1.89 | | 5-8 |
| Exporter | (1489 | 5.7) | | | | |
| | | | | | | |
| OILS AND FATS | | | | | | |
| DAIRY PR | | | | | | |
| LEGUMES, NU | | | | | | |
| | | | | | | |
| MEAT, POULTRY A | | | | | | |
| VEGE | ETABLES | | | | | |
| | FRUITS | | | | | |
| GRAINS, ROO | TS, AND | | | | | |
| | | | 2 | Л | C | 0 |
| | | J | 2 | 4 | 0 | 8 |
| | | | | | | |



•Number of active member involved in LC production from a household = 2.38•B:C ratio = 1.49•Average Gross margin = 479.45 USD (NRs. 56,050.617)

Figure 4: Food availability based on own production



Figure 7: Median Dietary diversity score of respondents (consumption per week) • Lack improved variety, bio-Input supply pesticides, tool & equipment • Lack of motivation due to Production decreasing price trend • Poor storage, traditional Post Harvest drying method, Lack of Storage & Processing grading No local auction facilities, Distribution Lack of MIS, Price and Marketing discrimination Figure 8: Problems in different steps of value chain Conclusion Value chain of large cardamom plays pivotal role for maintaining the food and

•Mean per capita food share = 94.71 USD (NRs.11,072) (per month)





nutritional situation security by generating greater economic returns, positively influencing food affordability, and diversifying the consumed food resources. For improving the food and nutritional security, upgrading of value chain is necessary.

References

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