

COST- BENEFIT ANALYSIS OF SUSTAINABLE INTENSIFICATION PRACTICES PROMOTED IN EASTERN ZAMBIA

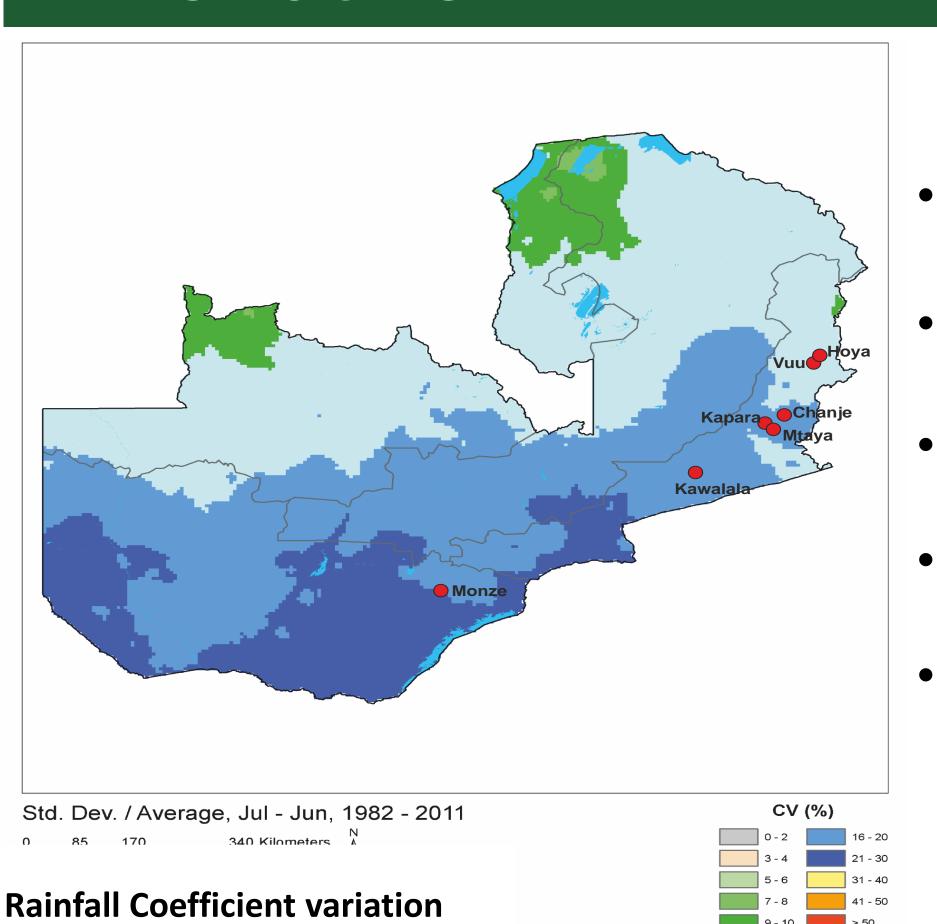
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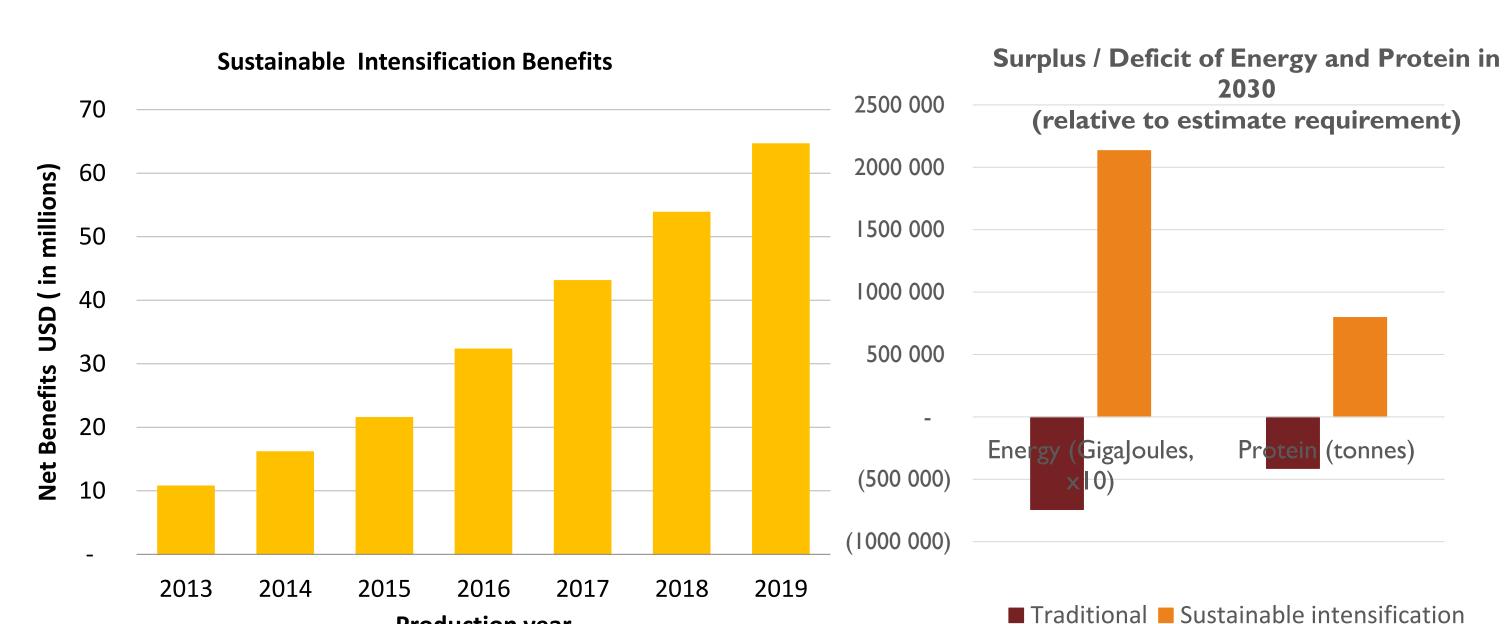
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INTRODUCTION



- Reliance on rain-fed agriculture
- Very prone to moderate droughts
- Low agricultural productivity
- Environmental degradation
- High extreme poverty level

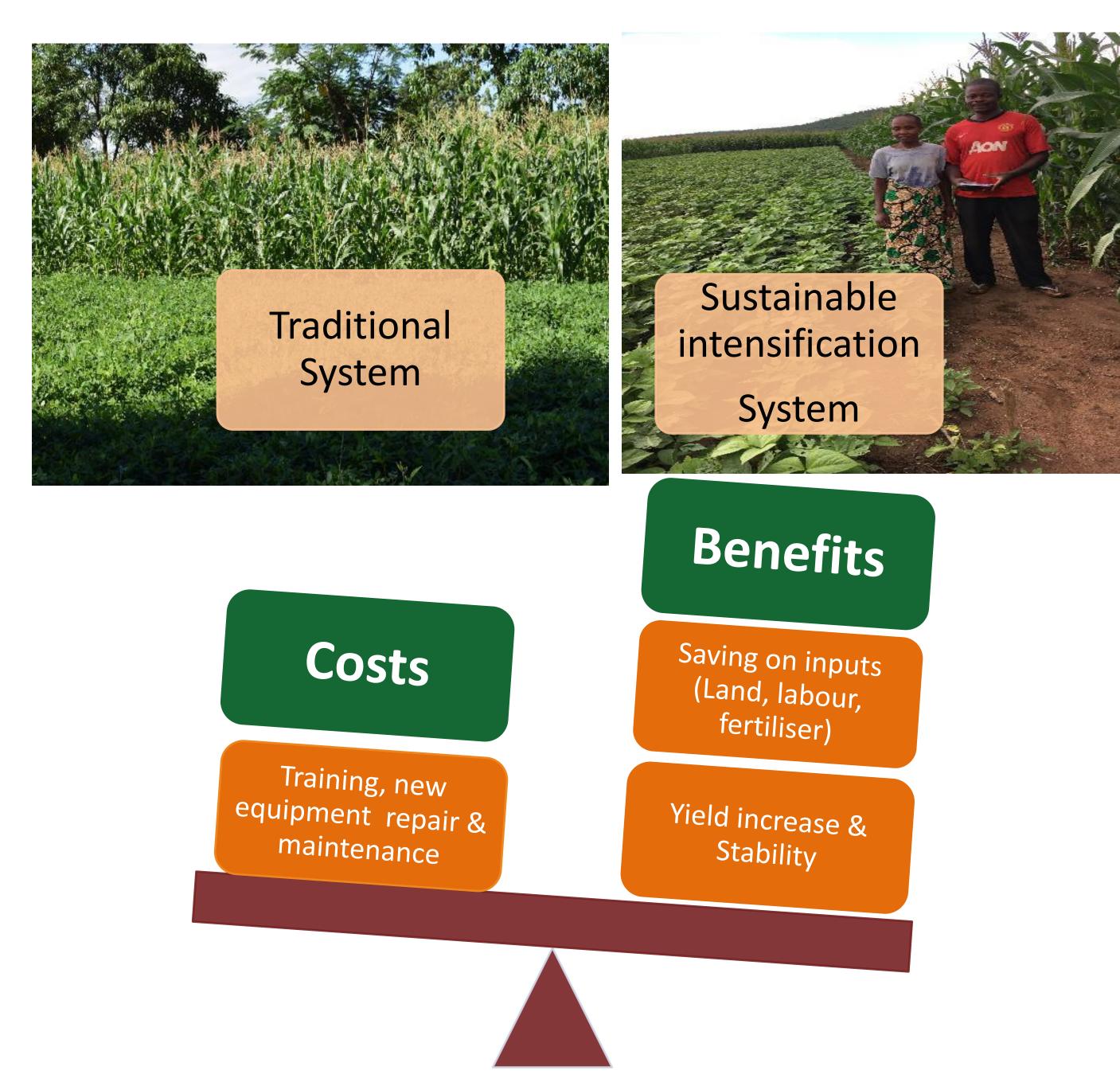
FINDINGS



	Benefits USD (millions)	Costs USD (millions	Benefit-Cost Ratio
5	12877	3135	4.1
8	10625	2701	3.9
14	7444	2065	3.6

STRATEGIC APPROACH

Research question: Which interventions most effectively deliver sustained food and nutrition security and improved dietary diversity within sustainable farming models?



SUMMARY OF FINDINGS

Promotion of Sustainable intensification practices has the potential to

- Increase net farm incomes to USD \$70 million per annum in the long run
- Quadruple household net farm income per ha, with a social benefit-cost ratio (BCR) of 4.1
- Provide surplus calories for the province by 2030
- Resulting in return on investment of 754%





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