Promotion of Soya bean (*GLYCIMEMAX*), value addition and marketing in Ethiopia

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Background

- Africa produces less than 1% of the world's soybeans .
- Soybeans was first grow in Ethiopia around in 1950
- About 95% of Ethiopia's soya bean export is to India, China, Vietnam, Canada and Pakistan.
- Soybean is a multipurpose crop with increasing demand as a feed, food & fuel crop (Mubichi, 2017).
- Growing demand for soybeans offers opportunity for SHFs to increase their incomes and nutrition (Lubungu et al., 2013).
- Soybean is a major industrial raw material in Ethiopia (e.g oil

Problem statement and objectives

Production Problem	Current yield is 1.5 MT /Ha lower than the potential of 2.5 MT/Ha.
Marketing Problem	No linkage between farmers of processing factories
Value addition Problem	Limited knowledge and skills on improved storage
Objective	Increase production from 1.8 mt/ha to 2.5 m.t/ha

Methodology

2.1. Description of the study area

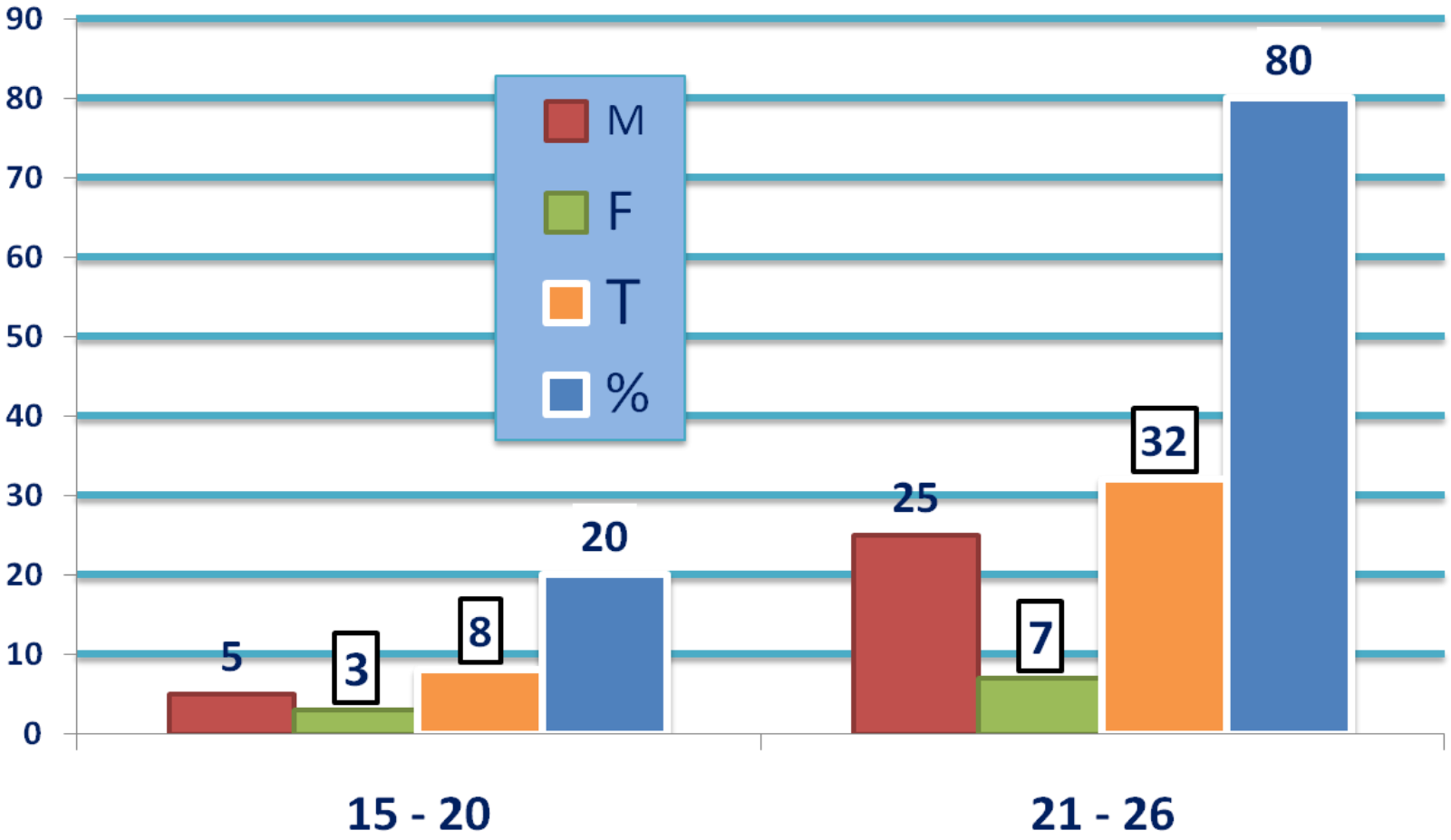
- Total population of the district is 116,076
- The district total area is 58,795 hectare of land
- Forest land 24%
- Cultivated land 54%
- Grazing land 22%
- Agro ecological zones 700 masl –1,900 masl

- mixed research approach (qualitative and quantitative).
- The research design of this study is experimental because ,
- target farmers were selected by using purposive sampling (40 SB producers)
- Follower farmers were selected by using systematic sampling (80)
- Primary and secondary data also collected
- Descriptive statistics had been used to analysis both the qualitative and quantitative data

Key findings

- 20% of farmers produce 1.5- 2.0mt/ha on average 1.75 mt/ha and
- 80 % of farmers which is produce 2.1-2.6 mt/ha on average 2.35 mt/ha .
- Mean of this summary production objective is **1.75+2.35 = 4.1/2=2.05mt/ha.**
- after intervention Productivity increased **2.0.5 – 1.8**(average productivity before intervention) = 0.**25** mt/ha on average each target farmers add per hectare of land.
- Legal contractual agreements b/n farmers and BICA factories
- Reduce 6 % of yield losses /qu or (100Kg) of products during storage time

Key findings



Conclusion

- Farmers by applying scientifically recommended agronomic practices can added 0.25 mt/ha on average
- Contractual agreement increase farmers profitability by reducing market channels & increase market share
- Field day improve farmers' knowledge and skill
- PICS bag reduce yield loss by 6% /qt (100 kg) during storage

- Need assessment play a vital role to identify farmer's real problems

Key Recommandations

- Continuous training and follow up are needed for testing farmers skill and attitude change and fill the gaps.
- For the successful improvement of yield care should taken for farmers to perform all key recommendations .
- Coordination among different stakeholders is along the soya bean value chain.
- Different extension methods should be used to improve farmers K,A,S
- For sustainability all stakeholders should participate continuously in technology adoption process.

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