Enhancing wheat production and productivity through an Integrated Agricultural Technologies in Ethiopia

Mezgebu Aynalem, Debre Markos University

INTRODUCTION

Socio-economic background of the Study

- Ethiopia is one of developing countries in the world with subsistence agrarian economy.
- Large number of population is leaving under poverty line, with daily per capita income of less than $1.

Role of wheat

- Ethiopia is the second next to Egypt in Africa in wheat production which is 4.54 million tons in 2016 (CSA, 2017).
- The production of wheat in the country is increasing, with fluctuation, because, the agriculture is not seaport improved technologies of wheat.
- Wheat is an important market oriented commodity and a major source of income for many farmers in Ethiopia; it is crucial for improving their way of life and food security of developing countries.

Main challenges: lack of market information, low quality of inputs used, weak market linkage, weak use of technology, low bargaining power of producers and post harvest loss etc.

OBJECTIVES

The main objective of this project is to enhance wheat production & productivity through integrated agricultural technologies in Ethiopia, Debre Elias District.

- To enhance adoption and adaptation of different Integrated Agricultural technologies
- To link small holder farmers with market through value chain and market development
- To reduce post harvest losses
- To increase wheat production and productivity by implementing Integrated Agricultural technologies

EXPECTED COSTS

<table>
<thead>
<tr>
<th>Cost element</th>
<th>Total estimated cost (€)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stationary cost</td>
<td>1,068</td>
</tr>
<tr>
<td>Direct labor</td>
<td>28,800</td>
</tr>
<tr>
<td>Input cost</td>
<td>14,420</td>
</tr>
<tr>
<td>Per-ridium</td>
<td>16,860</td>
</tr>
<tr>
<td>Travel and Misc.</td>
<td>13,752</td>
</tr>
<tr>
<td>Training cost</td>
<td>1,620</td>
</tr>
<tr>
<td>Project result and dissemination cost</td>
<td>300</td>
</tr>
<tr>
<td>Total</td>
<td>76,620</td>
</tr>
</tbody>
</table>

EXPECTED OUTCOMES

- Reduced post harvest loss
- Enhance adoption and adaptation of different Integrated Agricultural technologies
- Improve awareness in smallholders on Integrated Agricultural technologies
- Creating market linkage between producers and different market agents
- Finally to increase wheat production in the country