

Topic:

**Lack of Agricultural
Modernization and Population explosion**

Thesis Statement:

Inadequate agricultural techniques are indeed a deeper challenge to a country with exploding population. Therefore, its importance must be recognized to meet the basic requirements of the people.

Outline:

1- Introduction:

Insufficient agricultural techniques, challenge of over population, reasons to fall behind, importance, enhancement of Agricultural Sector.

2- Connection between Agriculture and Population Growth

3- Impacts of joint issue in Context of Pakistan:

a) Food insecurity in the Country

- b) Incessant increase in inflation
- c) Rise in Domestic instability
- d) Poor Living standard of middle and Lower class
- e) Perpetual increase in crimes

4- Why Agricultural Modernization has not been acquired by Pakistan?

- a) Lack of Agricultural Education
- b) Poor Research and Development institutes
- c) Lack of Resources and Slump in economy

5- Importance of Modernized agriculture for Rise in Population

- a) More productivity to meet the requirements of huge Population
- b) Rise in stability and prosperity of a country

6- Effective measures to enhance Agricultural Sector

- a) Shifting to Drip irrigation system and Sprinklers

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- b) Enhancement in poor tilling techniques
- c) Awareness among Farmers to adopt Modern methods of Agriculture
- d) Strengthening Research and Development institutes regarding Hybrid Technology

7- Conclusion

Already going through certain major issues, need of time to modernize agriculture to bring about prosperity and to fulfill needs of exploding population, otherwise, instability will become the fate.

"Investment in agriculture are the best weapons against hunger and poverty, and they have made life better for billions of people."
(Bill and Melinda Gates Foundation)

Agriculture is among those sectors on which stability of a country depends. If this segment is not fully flourished or under developed or the dependency is still on older and insufficient techniques, then it becomes a vicious challenge to feed its people. Similarly, if the population of a country is increasing with an accelerated rate and there are not enough resources against hunger, such nations fall behind in their future race. Food insecurity, high inflation and domestic instability becomes the fate of such country. Consequently, living standards of the people decreases which give rise to other social crimes. Hence, the importance of modern technology, especially in the context of agriculture, must be the first priority of a state. This portion should be enhanced

with respect to modern day farming. Modern techniques of irrigation, enhancement in tilling techniques, awareness among farmers to adopt modern methods of agriculture and research in hybrid technology are some of the adequate remedial steps that can flourish not only a country's economy but would also help in raising living standards of the people. Hence, its importance must be recognized to meet the basic requirements of the people of a country.

Agriculture is the backbone of any country. It not only provides food to its inhabitants but also helps to enhance the GDP of a country. More better this sector, more stability and prosperity develops among people. With the rapid increase in population, it exacerbates the pressure on food production. As a result, food insecurity begins to rise. People, then not only suffers physically but economically their condition become miserable. Rise in population

also intensify emission of green house gases and environmental degradation as more and more food demand of people increases. Thus, it is need of time to put aside ancient, older and inadequate agricultural techniques and work of research and development to walk side by side with growing population and their needs.