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Topic : Lack of Agriculture Modernization and Population Explosion.

Outline

- ▷ Introduction.
 1. Evolution of agriculture.
 2. What is Agriculture modernization and population explosion
 3. Thesis statement.
- ▷ Impact of Population Explosion
 1. Challenges to food demand and resource utilization.
 2. Strain on agricultural system to meet needs of an expanding population
 3. Case study regarding consequences of population explosion on agriculture.
- ▷ Importance of Agriculture Modernization
 1. How agriculture modernization can address the challenges posed by population growth.
 2. Agriculture modernizing benefits: increased productivity and efficiency.
 3. Examples of few world successful agriculture modernization initiatives.
- ▷ Barriers to Agriculture Modernization
 1. Socio economic challenges;
 - a. Poverty
 - b. Lack of education
 - c. Limited access to resources
 2. Influence of political factors, policy gaps and institutional barriers on modernization efforts.

- ▷ Addressing lack of Agricultural Modernization
- 1. Present strategies and interventions that can help overcome barriers.
- 2. Importance of investment in agricultural research, development and infrastructure
- 3. Role of government policies and international collaborations in promoting agricultural modernization
- 4. Empower farmers;
 - a. Provide education
 - b. Trainings
 - c. Enhance access to market
- ▷ Conclusion

One of the basic need of human being is food. Agriculture is the main source to fulfill this basic need. Agriculture also evolve with time as humans evolve from stone age to the present digital world. Agriculture modernization means the use of modern tools, techniques and equipments to increase the food production. This is one of the way to fulfill the needs of this abrupt population explosion. Population explosion poses a great threat to food supply and to available resources. Ultimately this put a great strain on agriculture sector. Agriculture modernization is the only way to combat this challenge. Modern world has adopted a lot of new techniques

in the field of agriculture such as drip irrigation, hydroponic farming. But there are certain barriers as well which leads to lack of agricultural modernization. But in order to address these issues, it is required to review the present strategies. Research and development should be enhanced in the domain of agriculture. Those techniques should be proposed which are compatible with our environment. We should also train our workforce according to these new techniques. The lack of agriculture modernization in the face of population explosion presents significant challenges to global food security and sustainable development.