

GS-III- Major crops cropping patterns in various parts of the country, different types of irrigation and irrigation systems storage, transport and marketing of agricultural produce and issues and related constraints; e-technology in the aid of farmers.

1. What do you understand by agricultural development? Discuss how big data can play a major role in supporting farmers and agricultural development.

Why This Question:

- ✚ The rising farmers suicide due to agricultural distress and falling farmers income has made us to strike at new innovative technological ideas.

Key Demand Of The Question:

- ✚ First of all, give a basic definition for agricultural development.
- ✚ Then give a basic definition of big data. Give few examples where it has contributed for development.
- ✚ Discuss what role it can play in agriculture and allied fields.
- ✚ Write how it can increase farmers income and contribute for agricultural development.
- ✚ Conclude with way forward.

Directive Word:

Discuss

- ✚ Essentially this is a written debate where we have to use our skill at reasoning, backed up by carefully selected evidence to make a case for and against an argument, or point out the advantages and disadvantages of a given context.
- ✚ So, we should talk over, write about, consider or examine by argument or from various point of view; debate; present the different sides but we have to give reasons for both for and against arguments.
- ✚ And we should remember to arrive at a conclusion.

Structure of The Answer:

Introduction:

- ✚ Write why this question has been asked. (context- rising farmers suicide and falling farmers income).

- ✚ Then write what do you understand by the term agricultural development.

Body:

- ✚ After writing what is agricultural development, write the real time scenario agriculture is facing.
- ✚ Then explain what is big data and its current application in various fields.
- ✚ Write what role big data can play in agriculture.
- ✚ Write its various application in agriculture and allied fields and explain how it can fill the existing shortcomings.
- ✚ Write how it can increase farmers income and contribute for agricultural development.
- ✚ Write various roadblocks that big data can face while applying in agriculture field.

Conclusion

- ✚ Conclude with way ahead with suggestions for overcoming the roadblocks big data can face in its contribution.

