

INDIAN SCHOOL NIZWA
SCIENCE-WORKSHET 1
CH.15 IMPROVEMENT IN FOOD RESOURCES

DATE: _____ NAME: _____ CLASS: IX

1. What is a GM crop? Name any one such crop which is grown in India.
2. If there is low rainfall in a village throughout the year, what measures will you suggest to the farmers for better cropping?
3. Define the term hybridization and photoperiod.
4. Cultivation practices and crop yield are related to environmental condition. Explain.
5. An Italian bee variety *A. mellifera* has been introduced in India for honey production. Write about its merits over other varieties.
6. In agricultural practices, higher input gives higher yield. Discuss how?
7. Discuss the role of hybridisation in crop improvement.
8. What do you understand by composite fish culture?
9. Give the merits and demerits of fish culture?
10. Discuss why pesticides are used in very accurate concentration and in very appropriate manner?
11. What would happen if poultry birds are larger in size and have no summer adaptation capacity? In order to get small sized poultry birds, having summer adaptability, what method will be employed?
12. Though fertilizers increase crop production, they are to be used in limited amount. Why?
13. Differentiate between mixed cropping and crop rotation? Give one reason for the need to remove weed from the cultivated fields during early stages of crop growth.
14. State the advantages of changing the maturity duration of the crop.
15. "Quality consideration of crop products varies from crop to crop". Justify giving three examples.
16. What are weeds? Give two examples. Mention any two methods of preventing the growth of weeds.
17. (a) Name any four methods of irrigation and briefly describe them. (b) Name any two fresh initiatives taken for increasing the water available for agriculture.

18. (a) List three ways by which insect pests attack the plants. (b) List three pathogens that may cause diseases in plants. How are they transmitted. Mention the method by which these can be controlled. State the harmful effects of these methods.
19. (a) Write names of two fish of high economic value. (b) Explain how composite fish farming is done. Mention giving examples the criterion for selection of species. State the problem faced in this method.
20. (i) How is manure different from fertilizer? Explain the classification of manures.
(ii) State two advantages and two disadvantages of using fertilizers.
21. (i) Define mixed cropping.
(ii) Name the crops grown together.
(iii) State the advantage of the above practice.
22. (a) What are milch and draught animals? Give an example for each.
(b) Name the two components of cattle feed.
(c) Name the method which is commonly used for improving cattle breed?
23. (a) Compare mixed cropping and intercropping.
(b) What is Green Manure? How is it prepared? State its advantages.
24. What are pests? How can plant pests be controlled? In what way biopesticides are better than the chemical pesticides?
25. A poultry farmer wants to increase his broiler production. List three management practices he must follow to enhance the yield. State and explain the daily food requirement of broilers.