

REPRODUCTION IN PLANTS

Q1 - What is artificial pollination?

Ans - Artificial pollination means transfer of pollen grains to the stigma manually.

Q2 - What are the steps of artificial pollination?

Ans - ~~Observe~~ ~~Step~~ Nowadays, artificial pollination is practised by plant breeders for developing new varieties. The breeders select two different varieties of a crop plant with desired characteristics. For example, one variety may be high-yielding and the other may be disease-resistant. Cross breeding between them is done by artificial pollination. After selecting the male and female plants out of the two, the anthers from the flowers of the female plants are removed. These female flowers are then pollinated with the pollen grains taken from the flowers of the male plant. Many ~~are~~ high yielding of rice, ~~cotton~~ ~~maize~~, wheat, maize, etc. have been produced by this process.

Q3 - Why artificial pollination is beneficial to horticulturist?

Ans - The advantage of artificial pollination is that it produces large numbers of the fruit and increases size and seed nos.

The artificial pollination also provides high conversion from flowers to export fruits. We can also produce a large variety of hybrid plants by the use of artificial pollination.