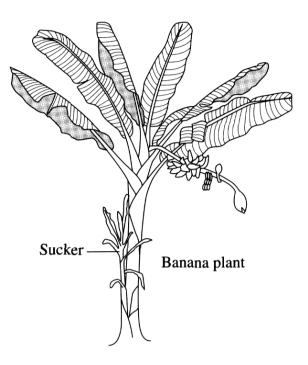
Marks

Question 24 (4 marks)

Traditionally, banana plants in Australia have been propagated asexually by cutting 4 out and planting suckers from the adult plant.



There is a growing trend to produce disease-free plants in laboratories through a process of cloning from disease-free tissues from existing plants.

Assess the potential impact of this cloning process on the genetic diversity of banana plants in Australia.

weetration man May vicinificantly reduce the great, plats in panona feure oppartmitis in c ١١ نر her to occur, reducing the opportunit reduced nutution for the development of a disease - resistand · situlior. -Reduced quetic diversity resulting may also increase the rise of the population of a whole to disease - fewer random muteriors allows the development of funer resistant traits, although this is los marked for barrange of they are grown from quetically - identical antingo anytary.