

Nitrogen fixing bacteria can substitute for a great amount of mineral fertilizers containing nitrogen. This is another field where the genetic possibilities are not utilized enough and the perspectives are very promising.

Plant growing adapting to the natural conditions of both the region and the micro-environment reckons with the characteristics of the soil, the climate and natural water supply, and wants to achieve maximum production through adaptation to all these. Complex research in the field of agro-eco-systems will be related in the future to research on mineral fertilizers. The ecological aspects of agricultural policy have gradually come to the fore.

The era when industrial and commercial interests stimulated by all means the global increase of the use of mineral fertilizers is over. In many countries the principle of quality took the first place instead of the principle of quantity in plant growing. However, I would like to stress it again that without the rational use of mineral fertilizers, the food supply of mankind cannot be secured on a global scale. At the same time it is also true that much more attention should be paid to the use of organic manure than it used to be in the industrialized countries in the last twenty-thirty years.