

## C – 01

Although many statistical methods used in agricultural research were developed before the advent of computers, the underlying principles by which the analysis of data is carried out in the design of experiments, surveys and other similar studies are the same when they are carried out using computers and computer software.

This review reveals that though there are many software packages for data analysis, so far no single package has been developed to handle all the data types collected in agriculture research. Two major reasons may be pointed out for this. First, methods of data analysis required by the agriculture research very much depend on the types of the crop, secondly statistical packages provide methods only for standard statistical analyses. Therefore, many agricultural research organizations in the world have developed their own computer systems by considering their data analysis requirements. Some of them include facilities for answering user queries about the data which is also an important requirement of agriculture research.

Writing specific package considering all requirements may perhaps be the ideal solution for these data processing tasks. This may be arguable as reliability of such a system is low, as it needs along time of usage to be guaranteed as free of bugs. Therefore in meaningful ways, is to use available suitable software packages together with new programs which are written are for specific functions, not yet available in these packages.