

DIRECT DATA CAPTURING SYSTEM FOR BUNCH ANALYSIS

by: ISA, Z A; HAFIEZAL; MOHD DIN, A; NOH, A; MAIZURA, I; KUSHAIRI, A and RAJANAIDU, N



MPOB INFORMATION SERIES • ISSN 1511-7871 • JUNE 2005

MPOB TT No. 262

Oil palm breeders routinely carry out bunch analysis to estimate oil and kernel content in bunches (Rao *et al.*, 1983). Normally, three to five bunches are analysed per palm and breeding trials involve thousands of experimental palms generating voluminous data. At present, bunch analysis data is captured manually in a record sheet and later the data is entered into a computer. This method is found to be time-consuming, error-prone and expensive. MPOB has developed a direct data capturing system to overcome the above limitations.

METHODOLOGY

Direct data capturing is a process where information is instantly entered into the computer after each weighing. Data will be captured in two stages (*Figure 1*). Once samples are placed on the weighing balance, data will be captured in Microsoft Excel worksheet format. The second step involves importation of data into bunch analysis direct data capturing system (BA d-capture). BA d-capture has the ability to update, delete, view, sort and export the analysed data from Microsoft Access database to Microsoft Excel worksheet (*Table 1*).



A conventional method where data are manually recorded followed by manual data entry into computer. This requires data checking before analysis.



Direct data capturing system where data are automatically captured into the computer and the error-free data can instantly be retrieved.

BENEFIT

Instant data capturing with reliable results is the main feature of this system as it is punching-error-free. One worker will be reduced, as data punching and error checking are not required.

ISSN 1511-7871



9 771511 787001

Malaysian Palm Oil Board, Ministry of Plantation Industries and Commodities, Malaysia
P. O. Box 10620, 50720 Kuala Lumpur, Malaysia. Tel: 03-89259155, 89259775, Website: <http://mpob.gov.my> Telefax: 03-89259446



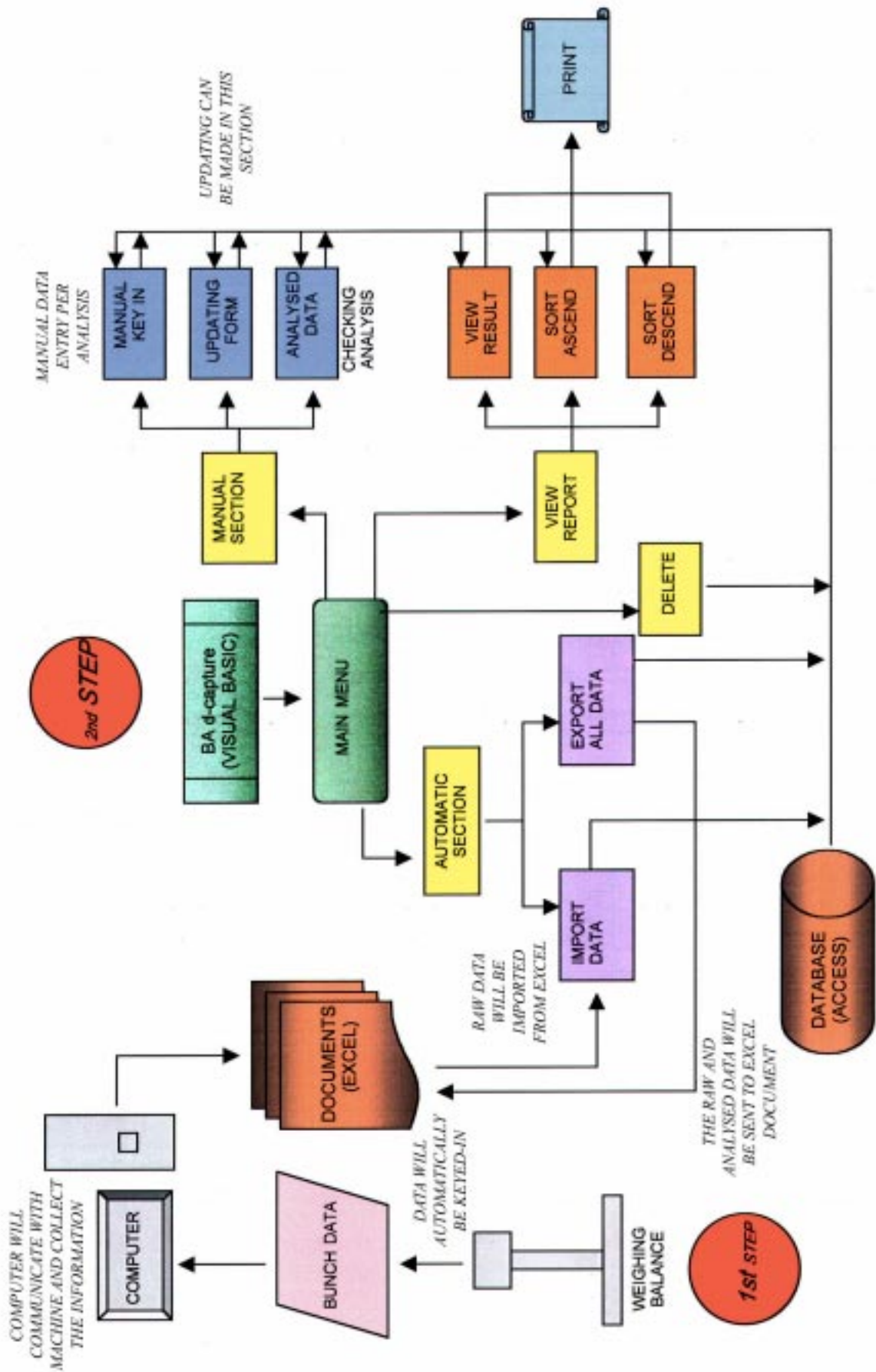


Figure 1. Flow chart of direct data capturing system.

