Demo
prepared by :

ITC

Demo
sponsored by:

UNEP

WELCOME
to
The Land Use Database :

Demo-6 :
Land Use Data : Part 2

Shown is how to enter Operations and Observations (4th level only)

Emphasis is put on the following software aspects :

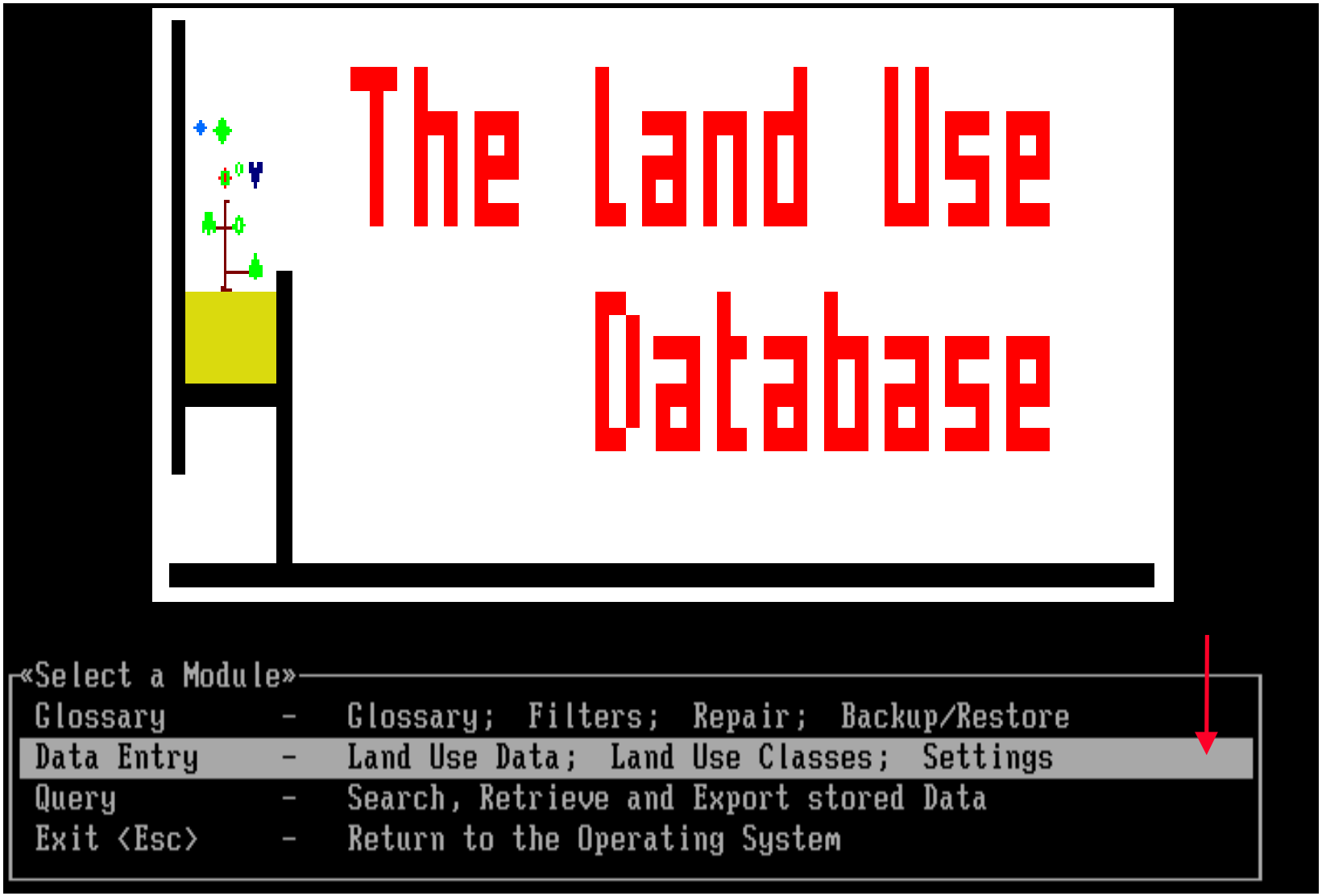
1 **The Operations and Observation Picklist.**

2 **The Data Entry Screens for Operation Data.**

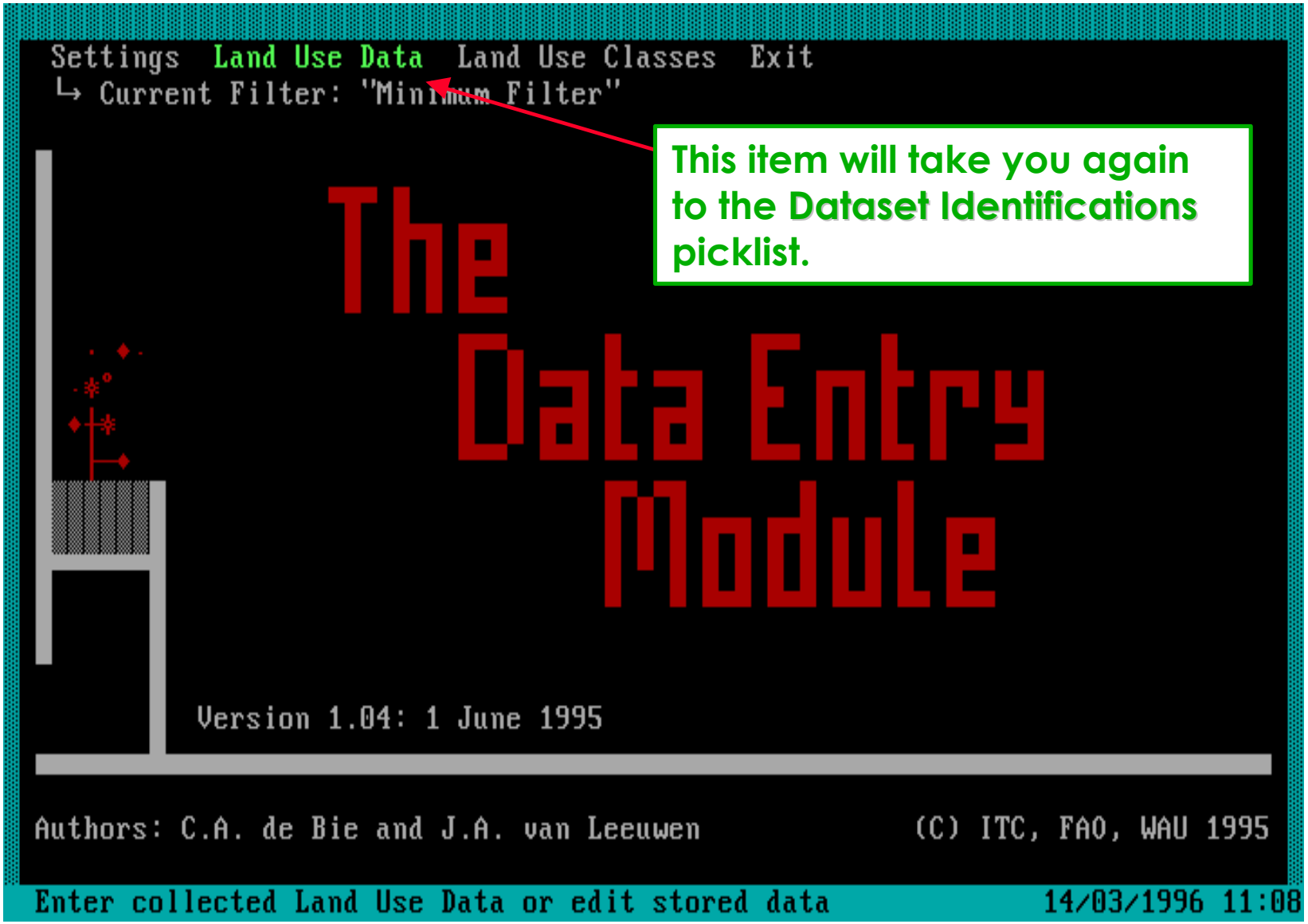
3 **The Data Entry Screens for Observation Data.**

4 **Links regarding Species / Services - Products / Benefits.**

First of all, select the Data Entry option of the Main Menu.

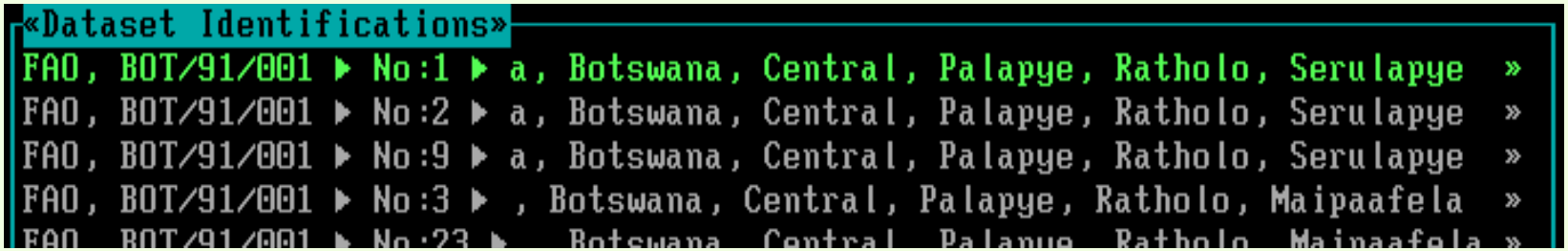


Then, select the *Land Use Data* item of the *Data Entry* Menu . . .



Level 1

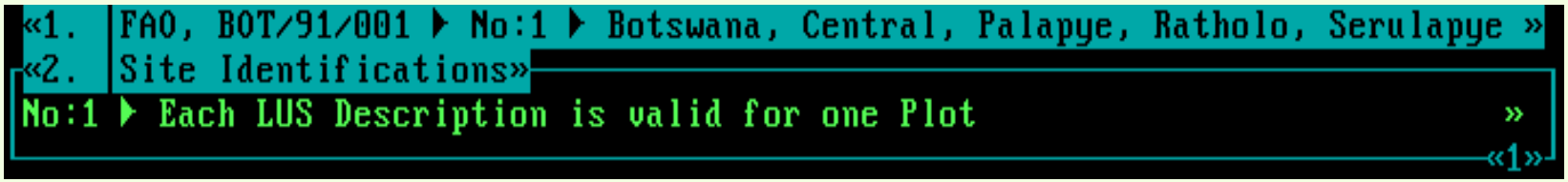
Then select an existing *Dataset Identification* from the picklist . . .



Level 2

Depending on the Dataset Structure (see next page) :

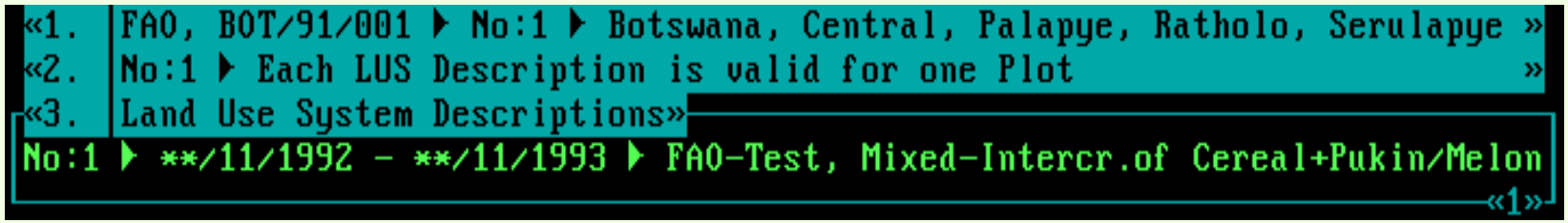
select next a *Site Identification* from the displayed picklist . . .



Level 3

Depending on the Dataset Structure (see next page) :

and last of all, select an existing *Land Use System Description* .



Depending on the Dataset Structure

refers to the selected Dataset Structure in Settings.

L1	L2	L3	L4
1	x	x	x
1	x	1	x
1	1	x	x
1	1	1	x

In Demo 5 it was shown that the first 3 Levels can relate to each other in 4 different ways.

. . . and thus, you arrive at the *Operations and Observations* picklist.

```
«1.  FAO, BOT/91/001 ▶ No:1 ▶ Botswana, Central, Palapye, Ratholo, Serulapye »
«2.  No:1 ▶ Each LUS Description is valid for one Plot                        »
«3.  No:1 ▶ **/11/1992 - **/11/1993 ▶ FAO-Test, Mixed-Intercr.of Cereal+Pukin»
«4.  Operations and Observations»
«Operations»
**/11/1992 - **/01/1993  Fallow Grazing
04/01/1993 - 08/01/1993  lanting, Se./Pl. without Pattern, Broadcasted Seeding
04/01/1993 - 08/01/1993  Tillage, Ploughing, Along Contours (or Flat), » -
07/02/1993 - 21/02/1993  ry Production Related, Crop Maintenance, Weeding, » -
**/05/1993 - **/11/1993  Fallow Grazing
**/05/1993 - **/05/1993  Primary Production Related, Harvesting, Picking
«Observations»
**/04/1993 - **/05/1993  Reducing Factors, Infectious Plant Related, Livestock
                                                                        «9»
```

Software aspect no.-1 :

1 **The Operations and Observation Picklist.**

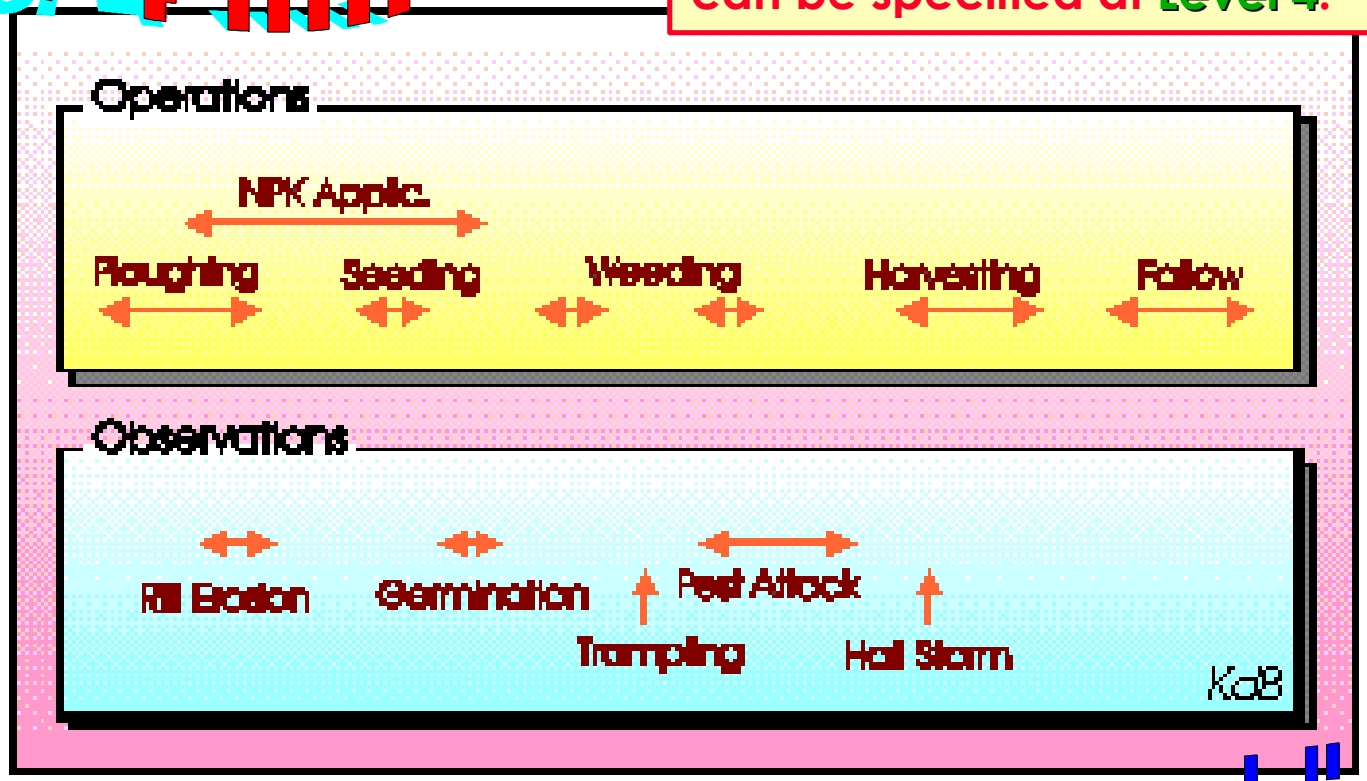
2 The Data Entry Screens for Operation Data.

3 The Data Entry Screens for Observation Data.

4 Links regarding Species / Services - Products / Benefits.

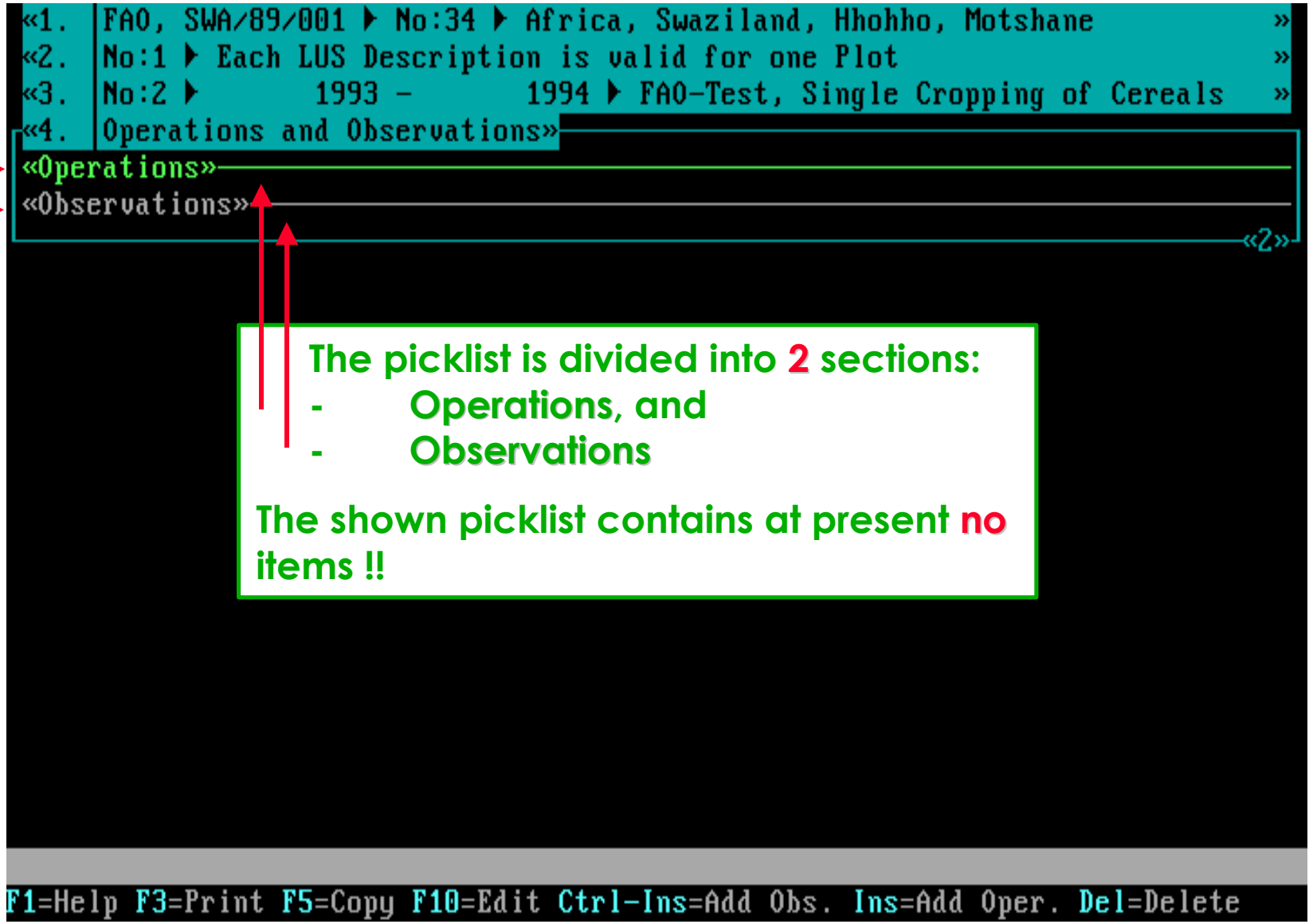
Level 4 .....

Any Operation or Observation of a single Land Use System can be specified at Level 4.



Detailed Info on one Land Use System Description !!

Shown below are two (merged) empty picklists (both at **Level 4**);
one refers to **Operations-Id. s** and one to **Observations Id. s.**



The picklist is divided into **2** sections:

- **Operations**, and
- **Observations**

The shown picklist contains at present **no** items !!

Now a picklists (at **Level 4**) is shown that already contains items, i.e. six **Operations-Id. s** and one **Observations Id.**

The picklist contains summarized information on defined Operations and Observations.

We will continue explaining these two options.

Software aspect no.-2 :

1 The Operations and Observation Picklist.

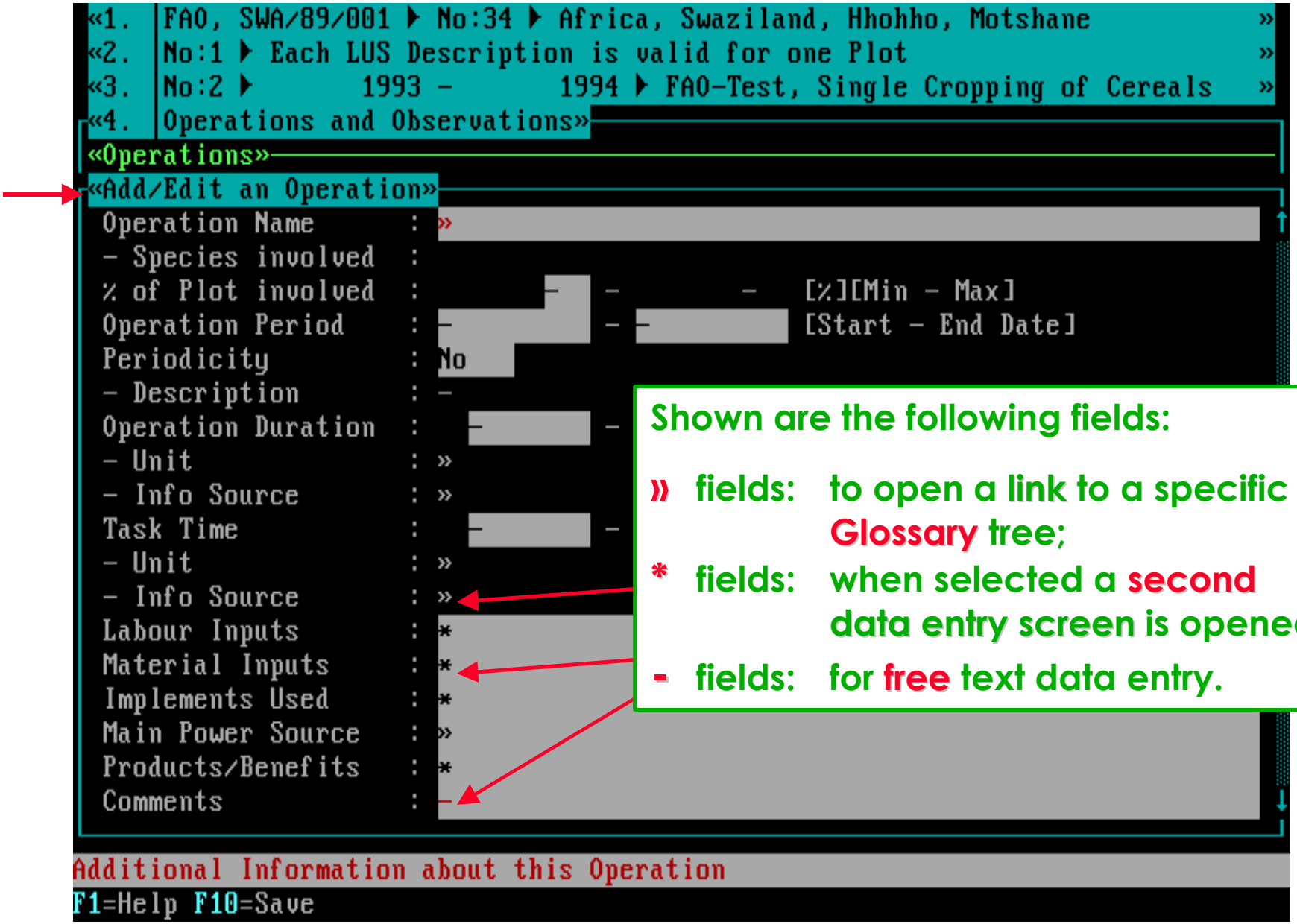
2 **The Data Entry Screens for Operation Data.**

3 The Data Entry Screens for Observation Data.

4 Links regarding Species / Services - Products / Benefits.

All optional data entry fields will be shown . . .

After pressing **Ins** , an empty **Operation** data entry screen appears.



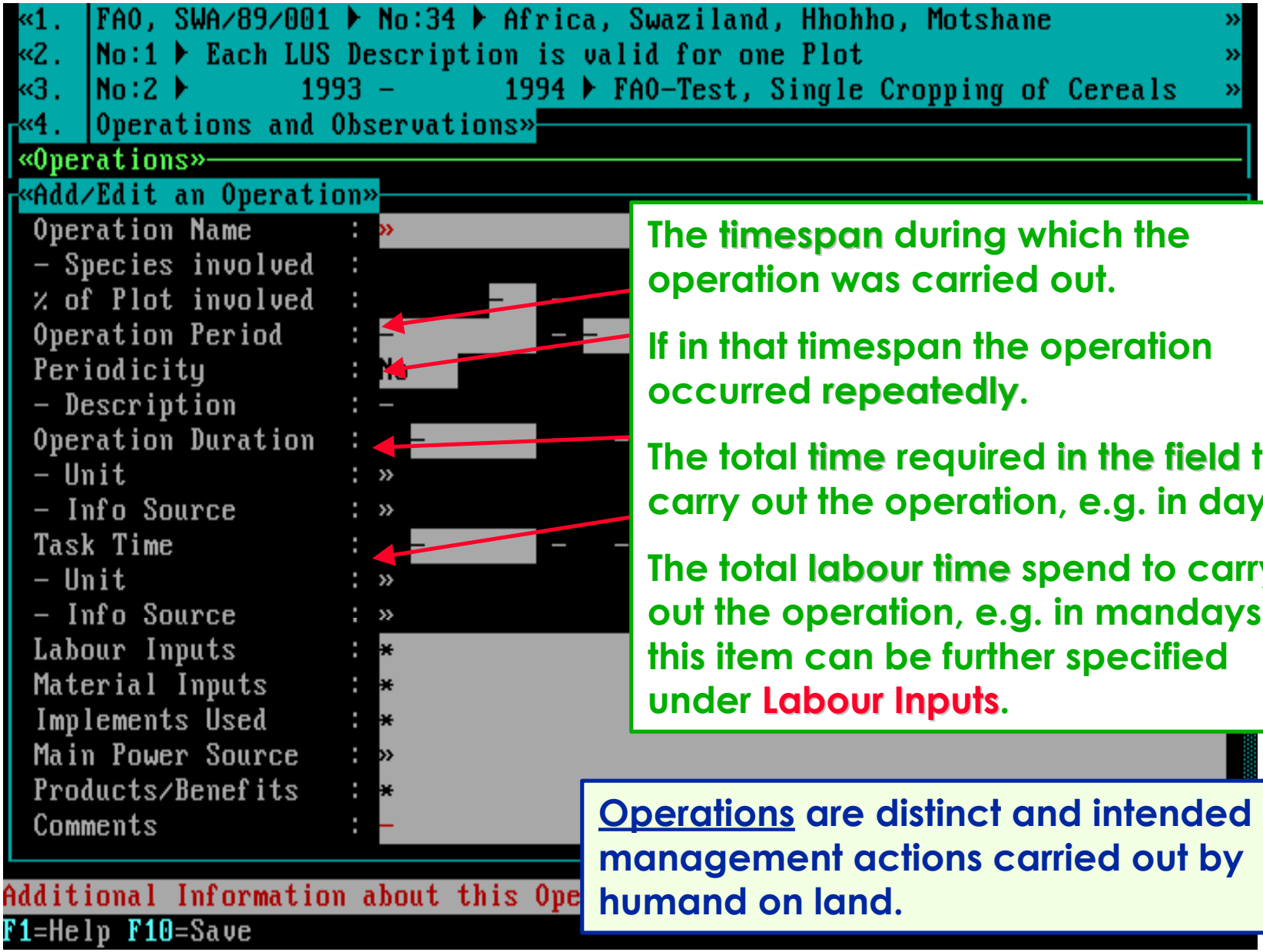
Shown are the following fields:

» fields: to open a link to a specific Glossary tree;

* fields: when selected a second data entry screen is opened;

- fields: for free text data entry.

Certain fields need a bit more explanation . . .



The timespan during which the operation was carried out.

If in that timespan the operation occurred repeatedly.

The total time required in the field to carry out the operation, e.g. in days.

The total labour time spend to carry out the operation, e.g. in mandays; this item can be further specified under Labour Inputs.

Operations are distinct and intended management actions carried out by humand on land.

Selecting the * field called **Labour Inputs** will open the second data entry screen as shown below.

1 : x ratio

Several (as required) **Labour Inputs** can be specified.

Selecting the * field called **Material Inputs** will open the second data entry screen as shown below.

1 : x ratio

Several (as required) **Material Inputs** can be specified.

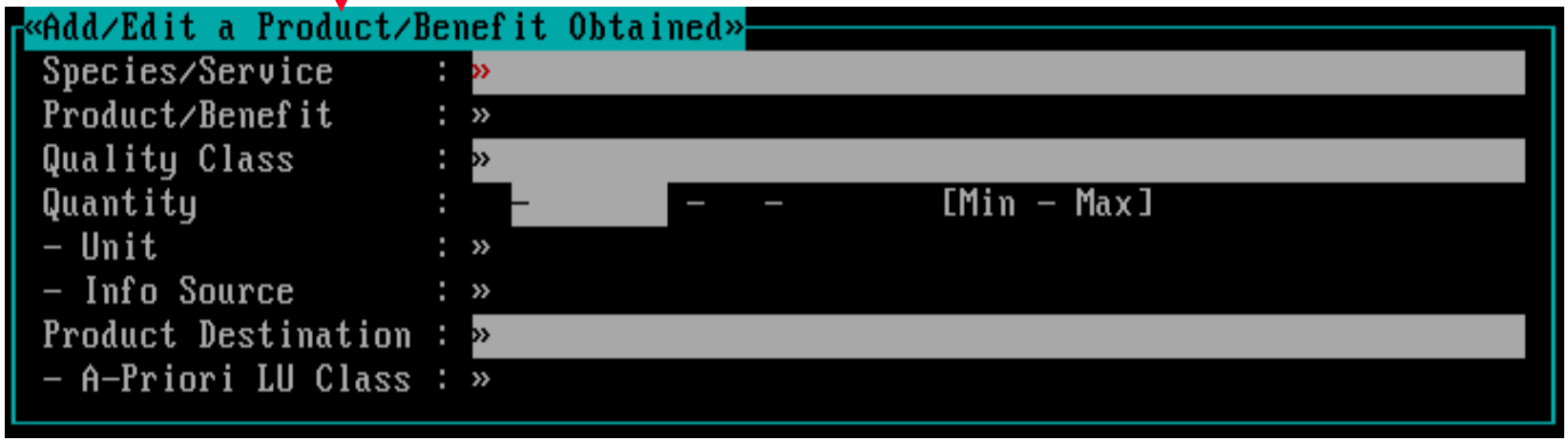
Selecting the * field called **Inplements Used** will open the second data entry screen as shown below.

1 : x ratio

Several (as required) **Implements Used** can be specified.

Selecting the * field called **Products/Benefits** will open the second data entry screen as shown below.

1 : x ratio



Several (as required) **Products/Benefits** can be specified.

Software aspect no.-3 :

1 The Operations and Observation Picklist.

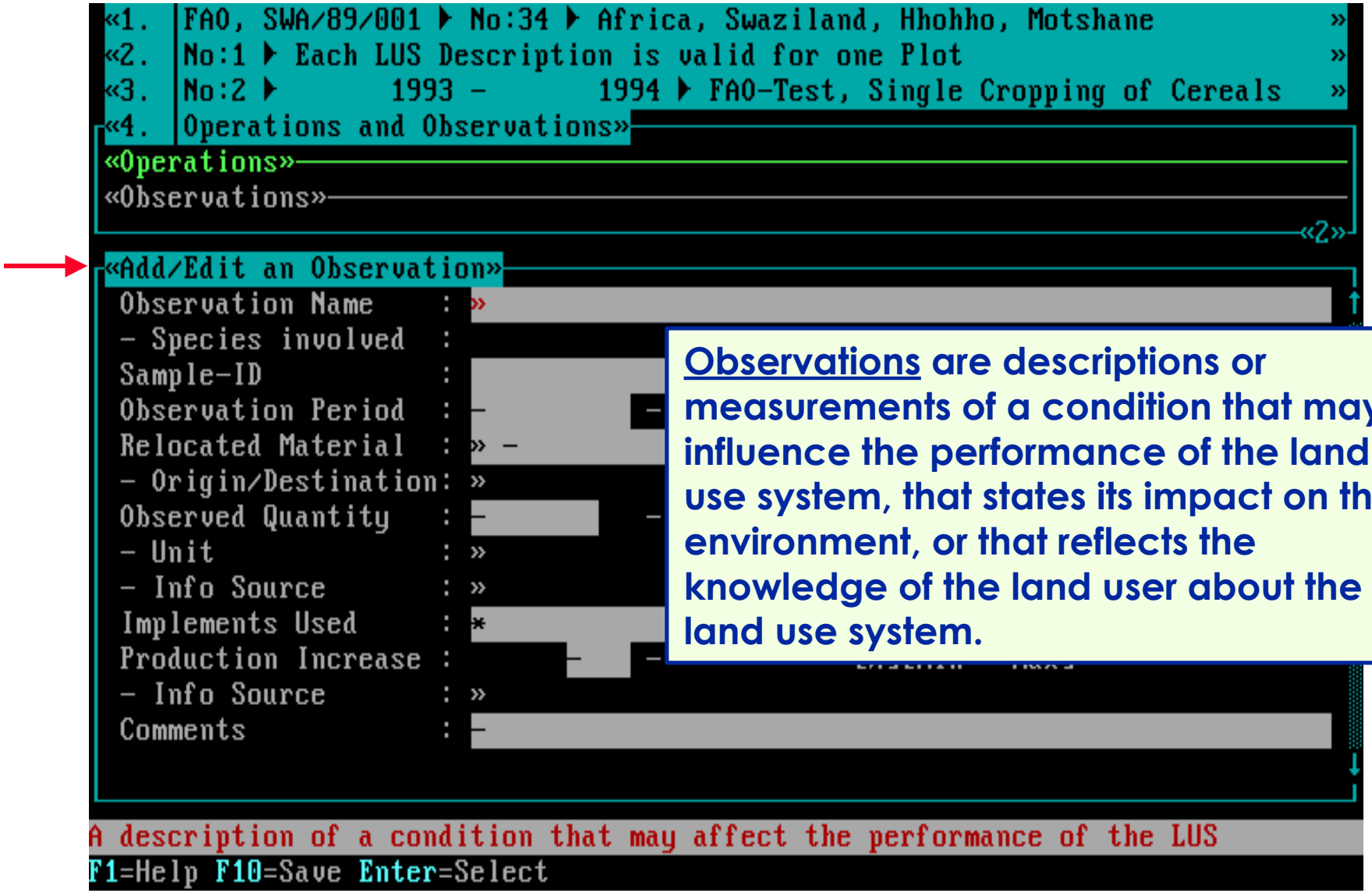
2 The Data Entry Screens for Operation Data.

3 **The Data Entry Screens for Observation Data.**

4 Links regarding Species / Services - Products / Benefits.

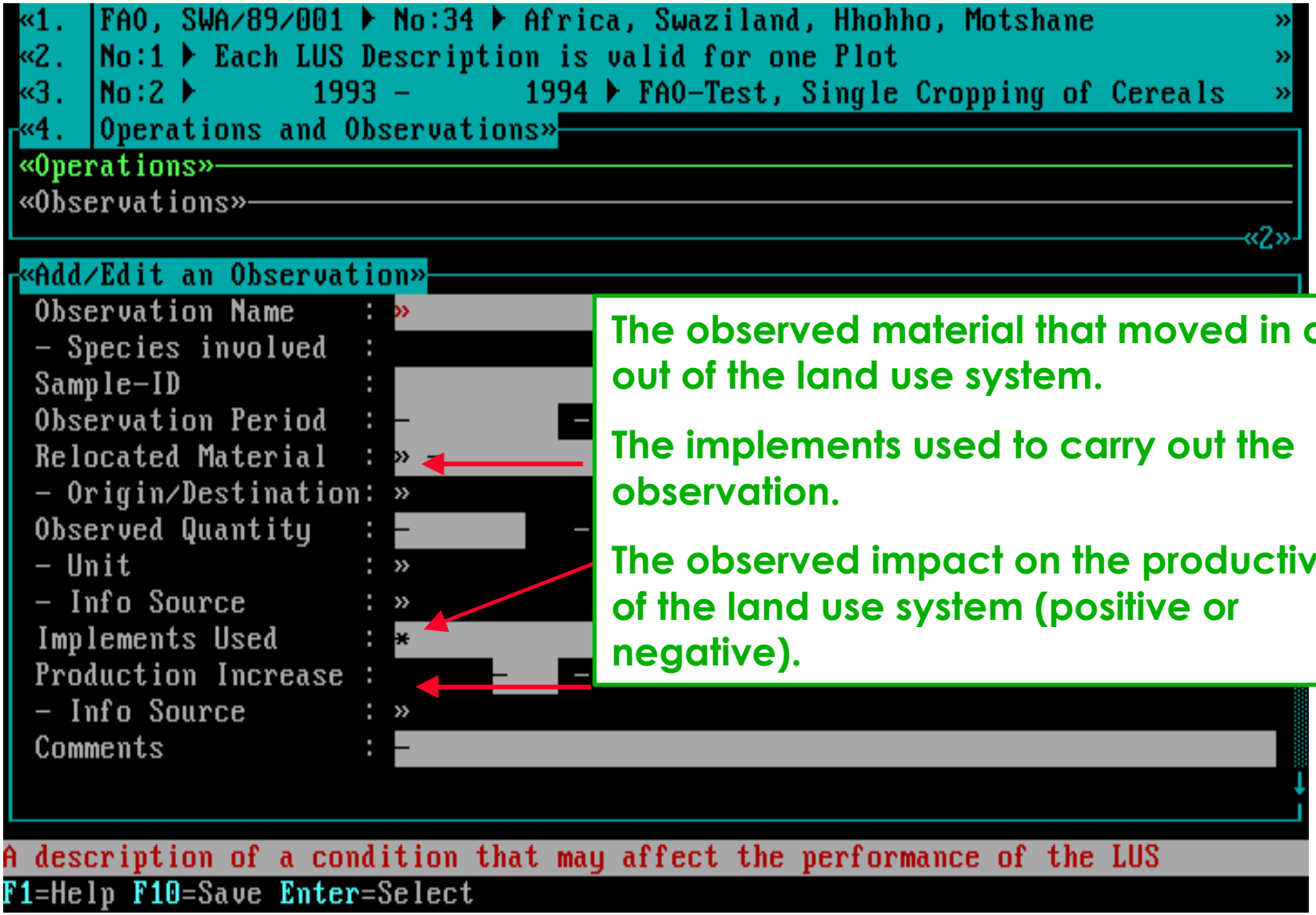
All optional data entry fields will be shown . . .

After pressing **Ctrl-Ins** simultaneously, an empty **Observation** data entry screen appears.



Observations are descriptions or measurements of a condition that may influence the performance of the land use system, that states its impact on the environment, or that reflects the knowledge of the land user about the land use system.

Certain fields need a bit more explanation . . .

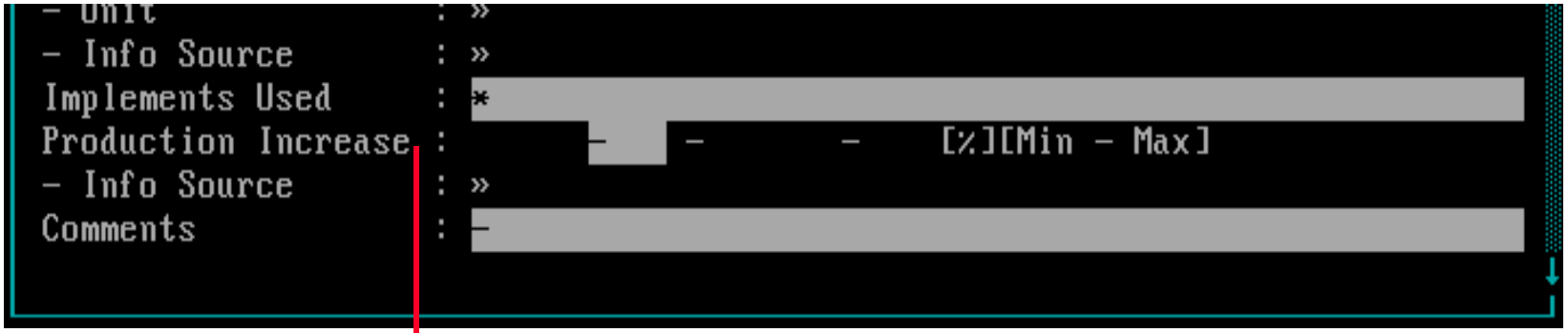


The observed material that moved in or out of the land use system.

The implements used to carry out the observation.

The observed impact on the productivity of the land use system (positive or negative).

Selecting the * field called **Inplements Used** will open the second data entry screen as shown below.



1 : x ratio

Any Implement Used can be Specified

Several (as required) **Implements Used** can be specified.

Software aspect no.-4 :

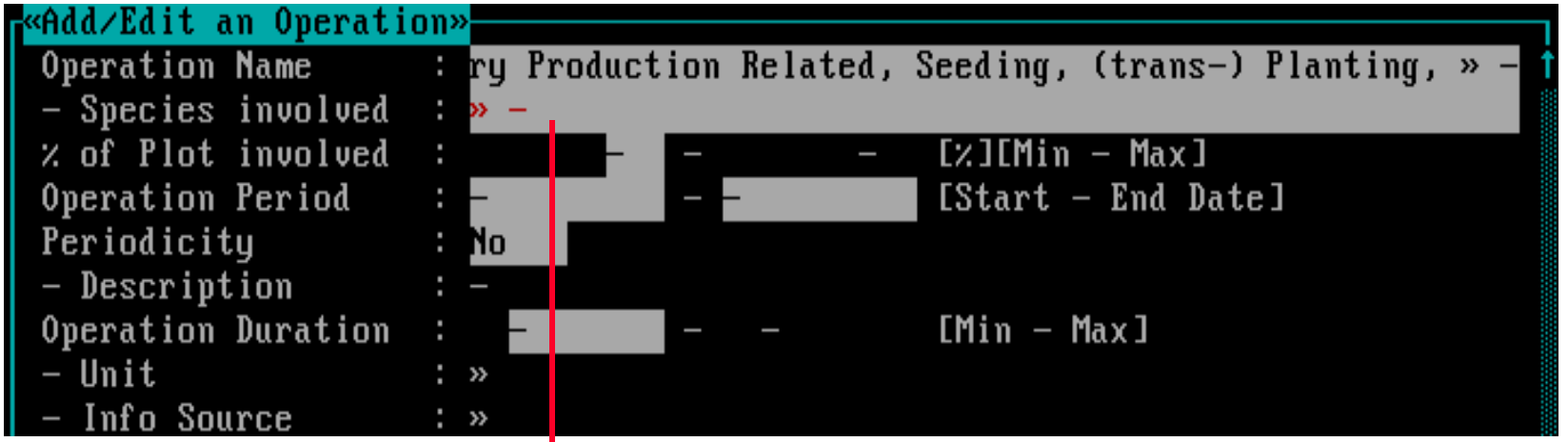
1 The Operations and Observation Picklist.

2 The Data Entry Screens for Operation Data.

3 The Data Entry Screens for Observation Data.

4 **Links regarding Species / Services - Products / Benefits.**

Attached to the **Operation Name** field is the **Species Involved** field.

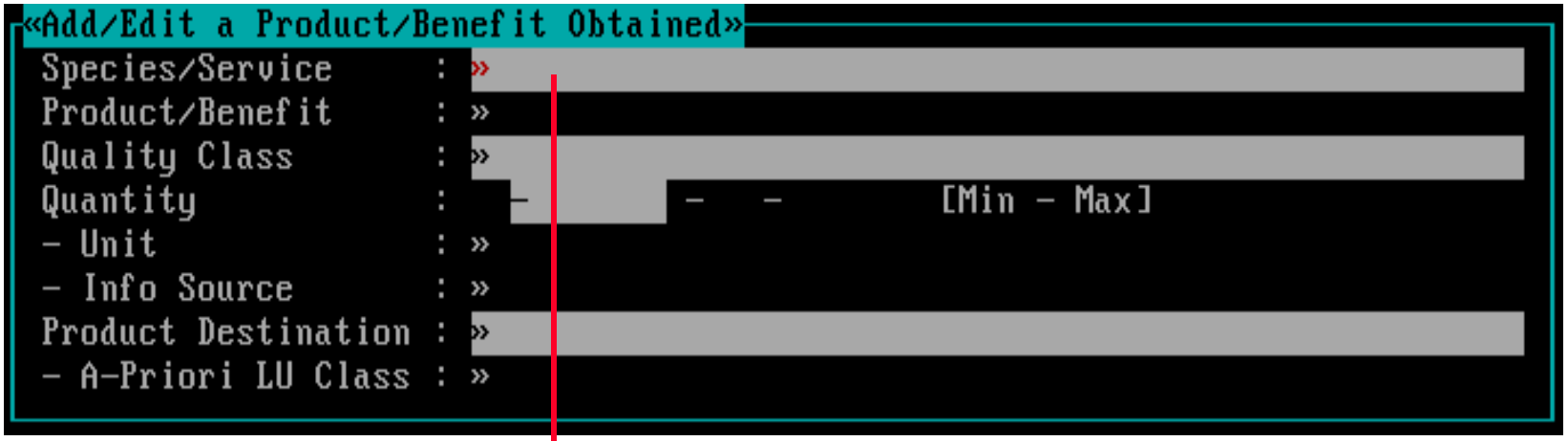


The operation **may** be **specific** for a specific species grown.

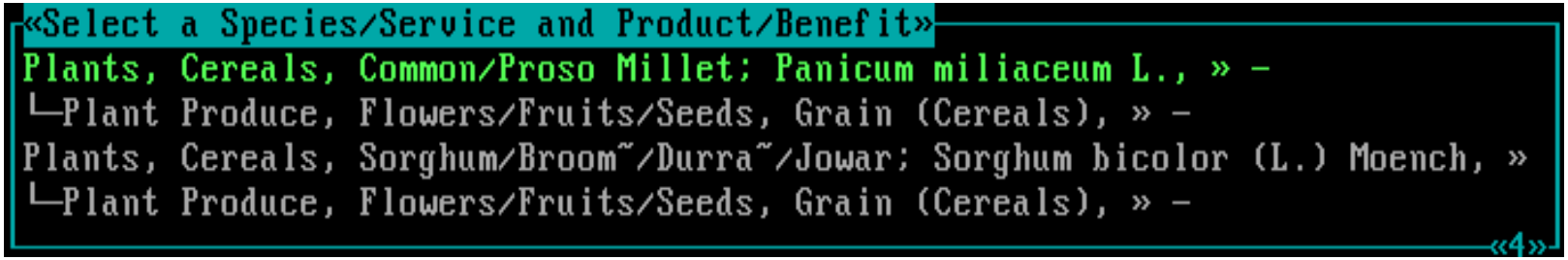
If more species are grown, that species **must** thus be entered here.

You may select one of the **species / services** as specified at **Level 3** , otherwise you must enter **unspecified** (**F6** key).

In the **Product/Benefit Obtained** edit screen, a **Species/Service** plus **Product/Benefit** must be specified.



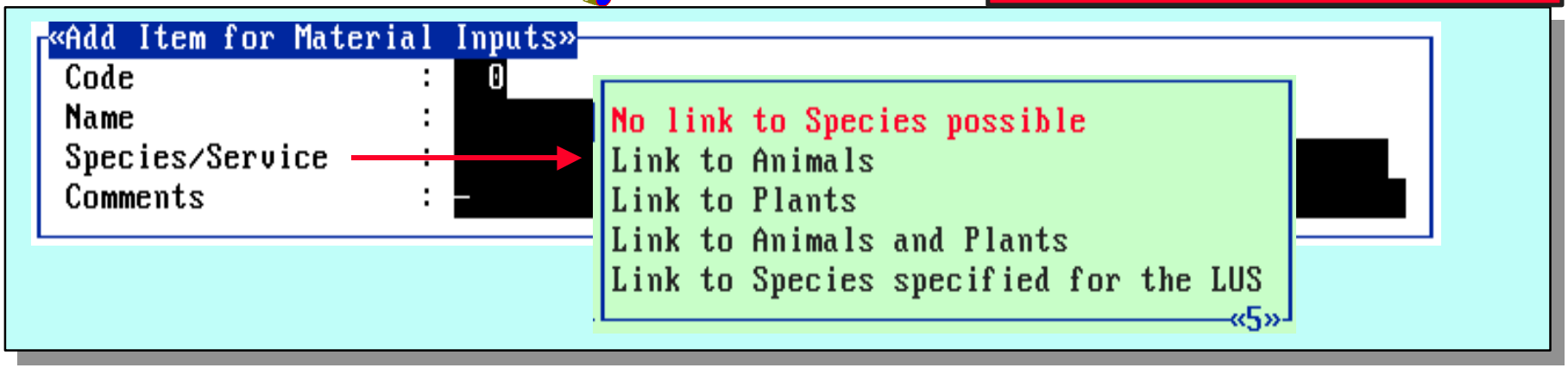
Note: The picklist below contains only two [S/S-P/P] combinations to select from.



You can only select one of the [Species/Services - Product/Benefit] combinations as specified at **Level 3** .

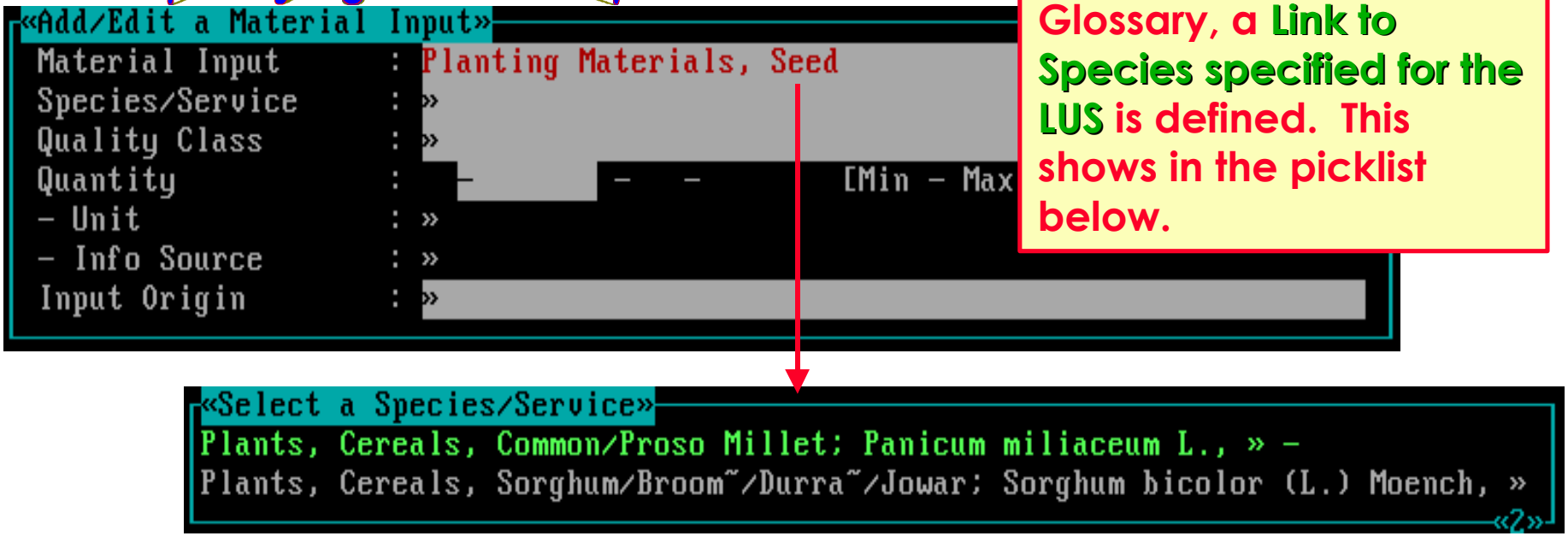
Review of the Glossary :

Inputs can originate from various origins . . .

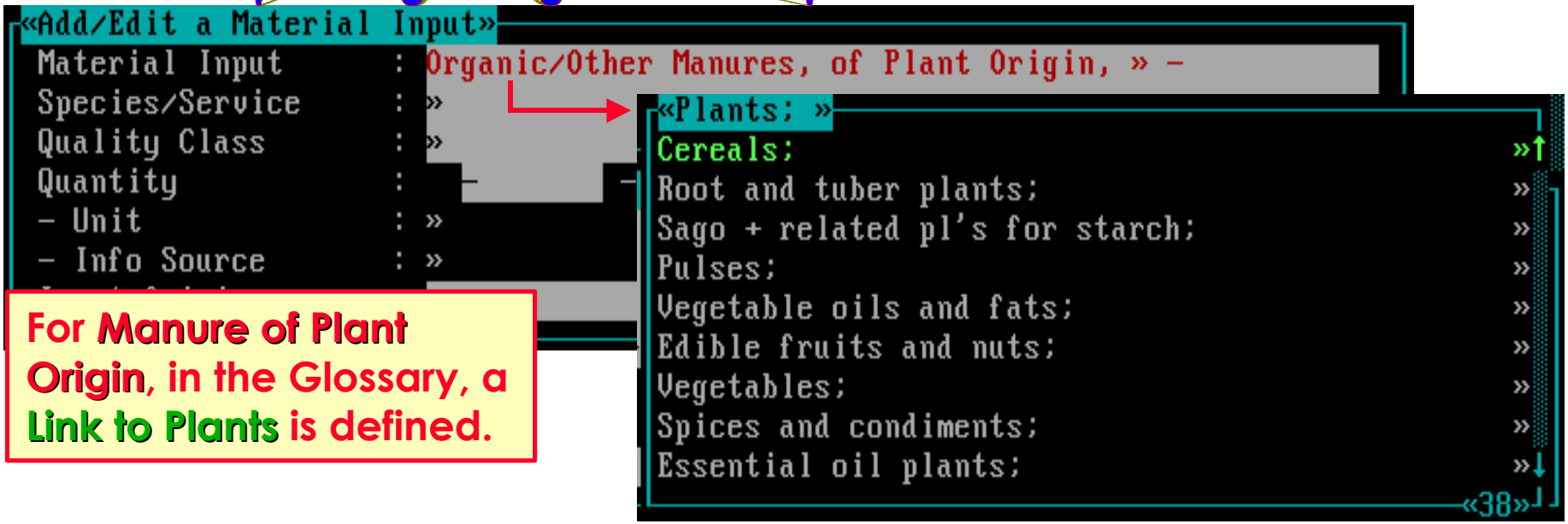


When specifying Material Inputs :

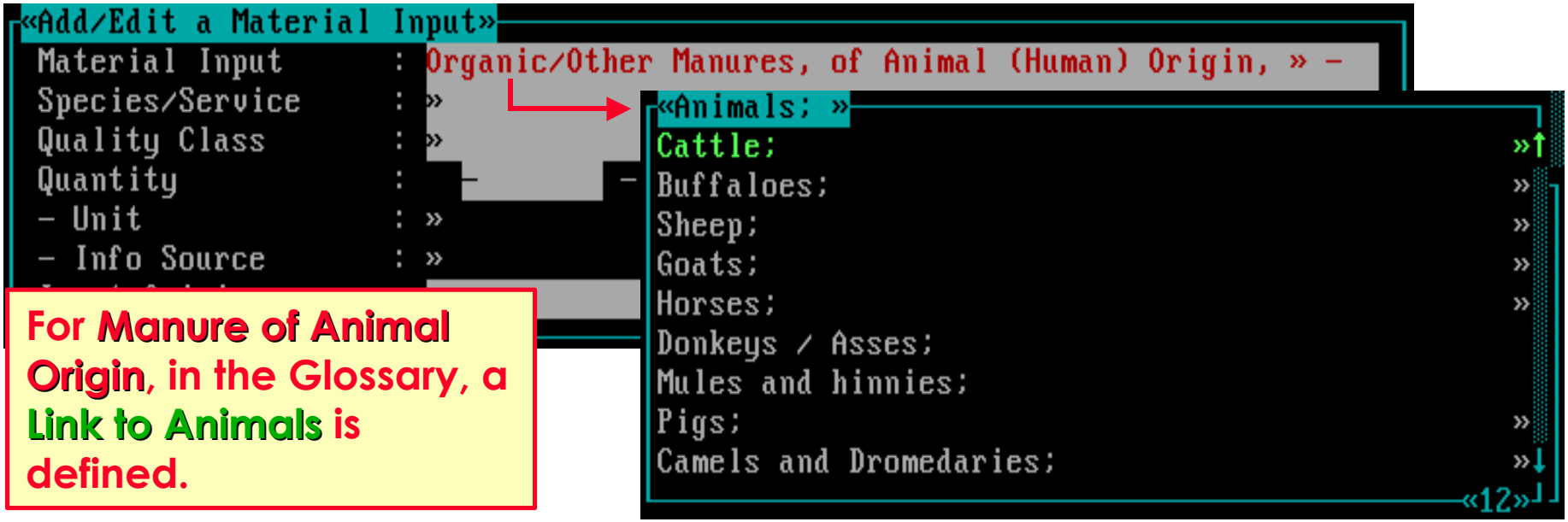
For seed, in the Glossary, a Link to Species specified for the LUS is defined. This shows in the picklist below.



Other examples regarding Material Inputs :



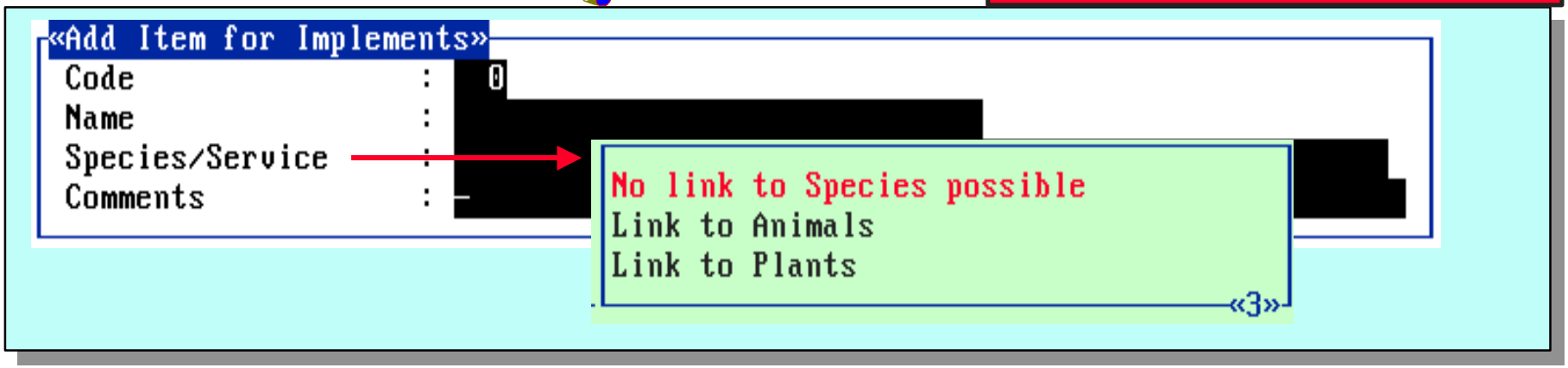
For Manure of Plant Origin, in the Glossary, a Link to Plants is defined.

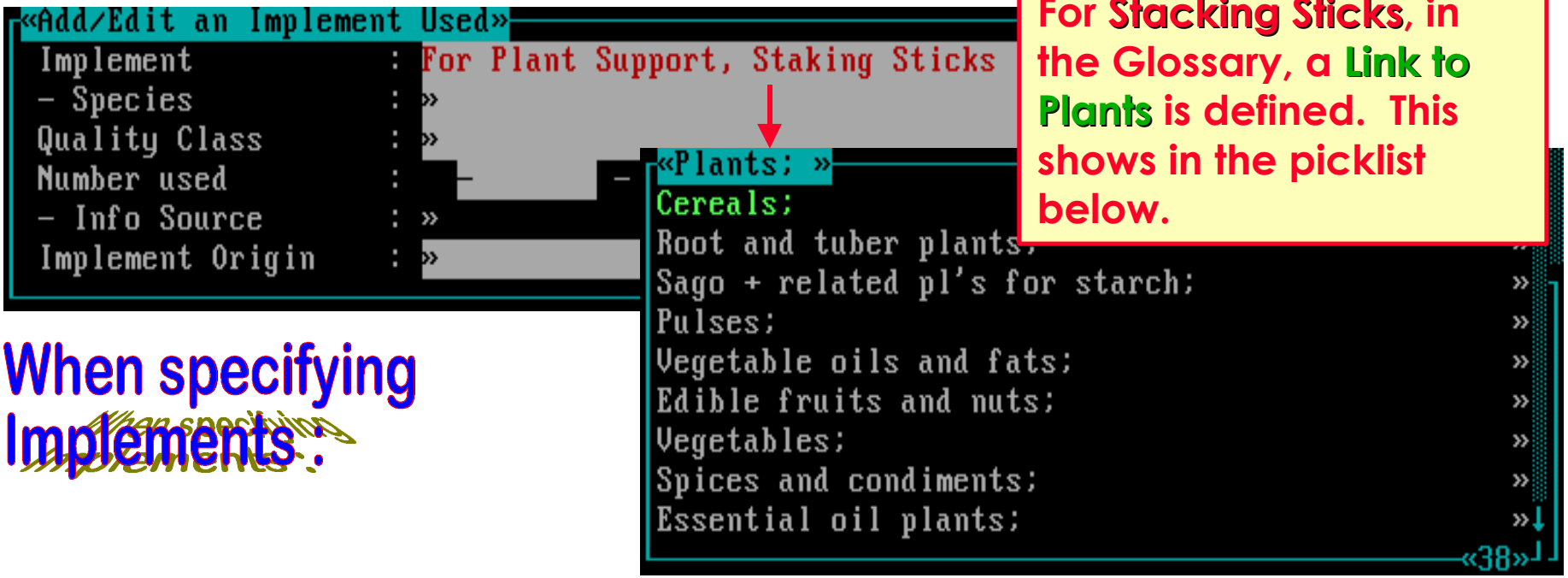


For Manure of Animal Origin, in the Glossary, a Link to Animals is defined.

Review of the Glossary :

Implements can originate from various origins . . .

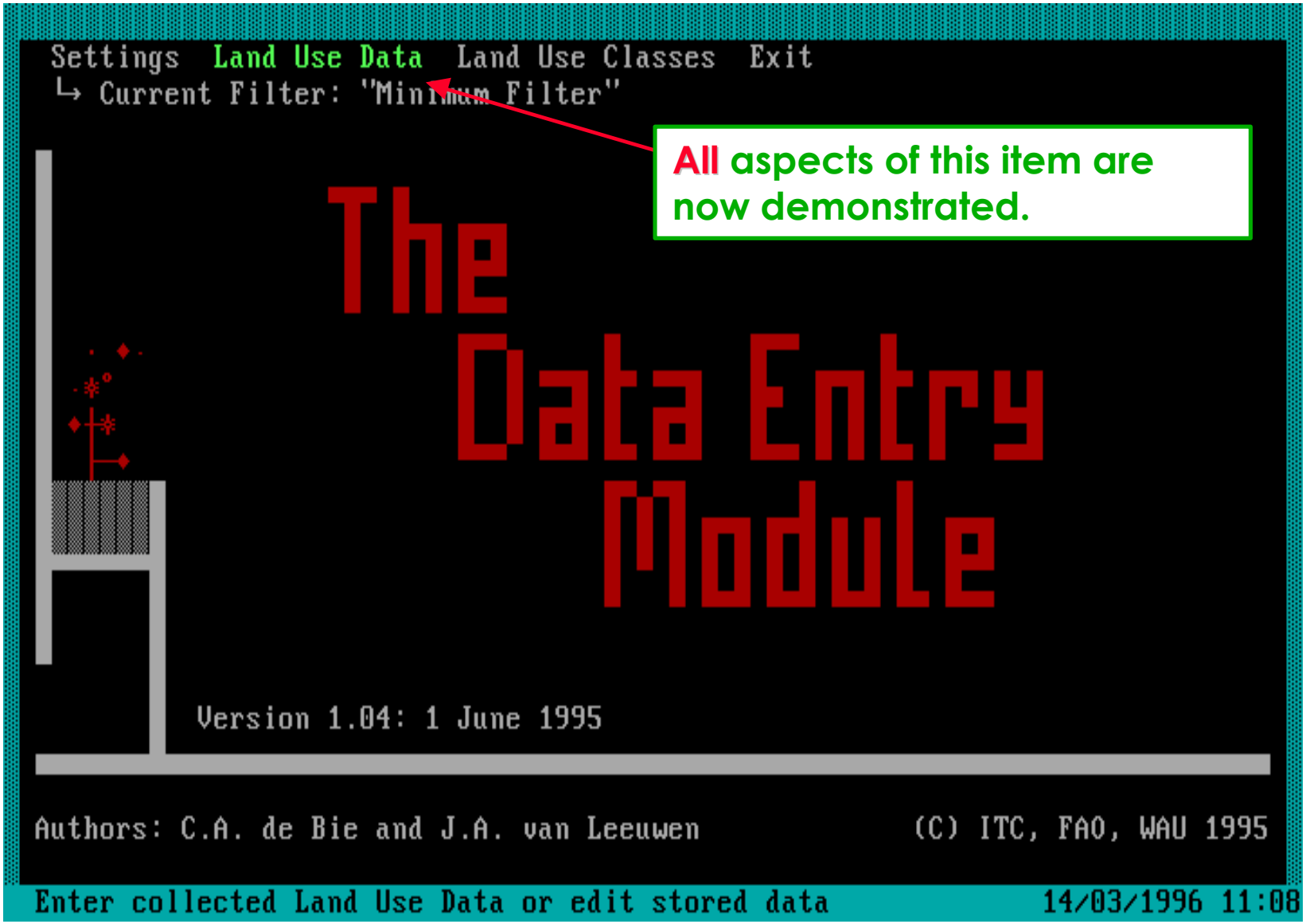




For **Stacking Sticks**, in the Glossary, a **Link to Plants** is defined. This shows in the picklist below.

When specifying Implements :

This is the end of the demo on Land Use Data: **Part 2** . . .



The Land Use Database

End of Demo-6 ....Thank YOU

ITC

FAO

UNEP

LUW