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| <b>S22</b> | <b>Session Summary</b>                         | <b>Duration</b> |
|            | <b>What is eLocust and how can it be used?</b> | <b>1 hour</b>   |

**Aim:** To introduce the concept of using a handheld data logger to record and transmit data, and teach how to use eLocust so that trainees appreciate that there are new technologies that can be used during surveys.

**Objectives:** The trainee will be able to demonstrate the use of the latest version of eLocust and use it for recording and transmitting data in the field.

**Key survey points**

- Touch screen, immediate on (requires vehicle power), built-in GPS
- eLocust = electronic version of FAO Survey & Control form
- eLocust = data recording + transmission
- transmit data via satellite

**Equipment:**

- PS, pens, eraser
- OHTs (S22 set)
- latest eLocust unit and a vehicle; up to 4 eLocust units and 4 vehicles
- AC wall adaptor for vehicle cigarette power plug
- XS22 exercise sheets

**Preparation:** none

- Make sure that each eLocust unit is working
- Make photocopies of the XS22 exercise sheets, one per group

**Guidelines page references:** none

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| <b>S22</b> | <b>Session Plan</b>                            | <b>Duration</b> |
|            | <b>What is eLocust and how can it be used?</b> | <b>1 hour</b>   |

| <b>SECTION</b>               | <b>TECHNIQUE AND CONTENT</b>  | <b>AIDS</b>  |
|------------------------------|---|--------------|
| <b>Introduction (5 mins)</b> | <b>1. Present:</b> Recall that information collected in the field during survey and control operations must be recorded in some manner. We have seen how to do this using forms.  |              |
| <b>Core (50 mins)</b>        | <b>1. Q&amp;A (everyone):</b> Hold up an eLocust unit. Does anybody know what this is? Any ideas of how we could use this for surveys? Pass it around.<br><i>Prompt for: handheld data logger that can be used to record and transmit information collected during surveys in the field.</i>  |              |
|                              | <b>2. Present:</b> On this device is a version of the <i>FAO Desert Locust Survey and Control Form</i> that you have been using in the previous session. Instead of completing a hardcopy of the form, you can enter the information at each survey location while on the spot and before moving to the next stop.  |              |
|                              | <b>3. Present:</b> Identify and explain the different parts of the eLocust unit, its basic operation and how to connect the cables and position the antenna.  | OHT (S22a,b) |
|                              | <b>4. Present:</b> Show how to use eLocust programme: start, enter data, send, history, message status.   | OHT (S22c,d) |
|                              | <b>5. Outdoor exercise:</b> Complete the exercise where each group enters location, habitat, locust, control and comments for two survey stops. (30 minutes)<br><i>Note: If only one eLocust unit and vehicle are available, have Group 1 enter location data, Group 2 habitat, Group 3 locust, and Group 4 control and comments. Change groups and repeat at second stop</i> | XS22         |
|                              | <b>6. Present:</b> Once data is entered in eLocust it can be sent via satellite directly from the field to the Locust Unit HQ where it arrives by email. This system has in operational use in all key Desert Locust countries.   | OHT (S22e,f) |
|                              | <b>7. Q&amp;A (everyone):</b> What difficulties did you have in using eLocust? What improvements would you like to see to make eLocust easier to use?   |              |

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| <b>Summary &amp; Conclusion (5 mins)</b> | <b>1. Q&amp;A (individual) (to test knowledge):</b> What are the advantages of using eLocust compared to the traditional method of completing hard copies of forms?<br>Prompt for: faster, easier, more accurate  |            |
|  | <b>2. Present (to summarize):</b> Every team in the field should have an eLocust unit and use it to enter survey and control data and then transmit it by satellite. This is not only more accurate but it allows National Information Officers more time to analyze the data which should lead to improved planning, better surveys and more accurate forecasts. | OHT (S22e) |
|  | <b>3. Present (to lead into next session):</b> Now, let's look at some difficulties that are faced during surveys.  |            |