

**Locust Control Capacity Info Sheet**

**COUNTRY:** ETHIOPIA

**I. LOCUST CONTROL SERVICE:**

**HQ: City:** ADDIS ABABA

**Official Title of the Locust Control Unit:** LOCUST SURVEY AND CONTROL UNIT

**Official Name of the Ministry:** MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT

**Human resources:** (number of Officers involved in locust control activities)

<b>HQ:</b>	Senior Officer (Manager):	1
	Locust Control Officers:	0
	Information Officers:	-
	Plant Protection Technicians:	-
	Master Trainers:	-
	Assistant staff:	1
	Scouts:	-
	Drivers:	2
	<b>Others:</b>	
	<input style="width: 100%;" type="text"/>	
	<input style="width: 100%;" type="text"/>	

**Financial resources:**

Annual budget for locust operation (in USD): 10,000

**Other Equipment:**

Fixed HF radio transceivers:	1
Mobile HF radio transceivers:	2
Fax-machines:	0
eLocust systems:	2
Satellite receiver:	1
RAMSES data base:	yes
Protective clothes:	
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	yes
<b>Other staff:</b>	
<input style="width: 100%;" type="text"/>	
<input style="width: 100%;" type="text"/>	

**Equipment:**

Vehicles (4x4):	1
Trucks:	1
Vehicle mounted ULVA mast sprayers:	2
Vehicle mounted Micronair sprayers:	2
Hand-held ULV sprayers:	279
Motorized Knapsack sprayers:	3
<b>Other Spray equipment:</b>	
1. <input style="width: 100%;" type="text"/>	
2. <input style="width: 100%;" type="text"/>	
GPS hand set:	1
Compass:	8
Anemometer:	10
Maps (Sets):	1
Stop-watch:	10
Hand-lens:	8
Tachometer:	8

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Ethiolathion 95%		8000
2. Chloropyrifos 24%		400
3. Ethiosulfan 25%		9800
4. Ethiothothion 95%		5200
5. <input style="width: 100%;" type="text"/>		
6. <input style="width: 100%;" type="text"/>		
7. <input style="width: 100%;" type="text"/>		
<b>B: EC Formulations</b>		in Litres
1. Ethiolathion 50%		15 000
2. Ethiozinone 60%		5000
3. Ethiosulfan 35%		800
4. Chlorpyrifops 48%		200
5. <input style="width: 100%;" type="text"/>		
<b>B: Dust Formulations</b>		in KG
1. <input style="width: 100%;" type="text"/>		
2. <input style="width: 100%;" type="text"/>		
3. <input style="width: 100%;" type="text"/>		
4. <input style="width: 100%;" type="text"/>		
5. <input style="width: 100%;" type="text"/>		

**\*) Put concentration in %**

**Any further important information:**

During locust outbreaks, ministry's prsonnel are involved and resources are mobilized for the locust control operations. NGOs and other ministries participate in the campaign. Some of the rersources indicated above (such as vehicles) are resources controlled by the pool system in the ministry but can be available for Desert locust activities when necessary. The federal government provide financial support for regional governments in order to carry out locust survey and control activities, especially during periods of locust outbreaks. Fore instance, in 2007 it provided more than 65 000 USD for regional beauros for supporting locust survey and control activities.

**II. Field Stations:**

The Field Stations (Outstations) are they under direct supervision of the Locust Control Service? Yes  No

**Questionnaire  
Capacities of the LCU**

**If NO: Which is the supervising authority? Please quote the official name.**

*Agricultural Bureaus of Regional States (Mainly the Crop Protection Departments).*

**Locust Control Capacity Info Sheet**

**II. Substation:**

City: Mekele

Province/State: Tgray regional State

**Human resources:** (number of Officers involved in locust control activities)

Station Manager):	1
Locust Officers:	3
Plant Protection Technicians:	
Trainers:	
Assistant staff:	1
Scouts:	
Drivers:	
<b>Other staff:</b>	

**Equipment:**

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	
Vehicle mounted Micronair sprayers:	
Hand-held ULV sprayers:	1100
Motorized Knapsack sprayers:	900
<b>Other Spray equipment:</b>	
GPS hand set:	1
Compass:	1
Anemometer:	1
Maps (Sets):	1
Stop-watch:	1
Hand-lens:	1
Tachometer:	1

**Other Equipment:**

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	135
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
<b>Others:</b>	

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Chlorpyrifos 24%		100
2. Malathion 95%		1000
3. Fenitrothion 95%		200
4.		
5.		
6.		
7.		
<b>B: EC Formulations</b>		in Litres
1. Malathion 50%		1000
2. Reldon 22.5%		200
3. Chlorpyrifos 48 %		1200
4.		
5.		
<b>B: Dust Formulations</b>		in KG
1.		
2.		
3.		
4.		
5.		

\*) Put concentration in %

**Any further important information for this station:**

Locust survey and control activities are integrated with other crop protection activities.

**Questionnaire  
Capacities of the LCU**

**Locust Control Capacity Info Sheet**

**II. Substation:**

City:

Province/State:

**Human resources:** (number of Officers involved in locust control activities)

Station Manager):	<input type="text" value="1"/>
Locust Officers:	<input type="text" value="2"/>
Plant Protection Technicians:	<input type="text"/>
Trainers:	<input type="text"/>
Assistant staff:	<input type="text"/>
Scouts:	<input type="text" value="15"/>
Drivers:	<input type="text"/>
<b>Other staff:</b>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

**Equipment:**

Vehicles (4x4):	<input type="text" value="1"/>
Trucks:	<input type="text"/>
Vehicle mounted ULVA mast sprayers:	<input type="text"/>
Vehicle mounted Micronair sprayers:	<input type="text" value="2"/>
Hand-held ULV sprayers:	<input type="text" value="80"/>
Motorized Knapsack sprayers:	<input type="text" value="28"/>
<b>Other Spray equipment:</b>	<input type="text"/>
<input type="text"/>	<input type="text"/>
GPS hand set:	<input type="text" value="1"/>
Compass:	<input type="text" value="1"/>
Anemometer:	<input type="text" value="1"/>
Maps (Sets):	<input type="text"/>
Stop-watch:	<input type="text" value="1"/>
Hand-lens:	<input type="text" value="1"/>
Tachometer:	<input type="text" value="1"/>

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Chloropyrifos 24%	<input type="text" value="1600"/>	
2. Fenitrothion 96%	<input type="text" value="1200"/>	
3. Fenitrothion 95%	<input type="text" value="1200"/>	
4. <input type="text"/>	<input type="text"/>	
5. <input type="text"/>	<input type="text"/>	
6. <input type="text"/>	<input type="text"/>	
7. <input type="text"/>	<input type="text"/>	
<b>B: EC Formulations</b>		in Litres
1. Carbosulfan 25%	<input type="text" value="200"/>	
2. Diazinone 60%	<input type="text" value="1000"/>	
3. <input type="text"/>	<input type="text"/>	
4. <input type="text"/>	<input type="text"/>	
5. <input type="text"/>	<input type="text"/>	
<b>B: Dust Formulations</b>		in KG
1. <input type="text"/>	<input type="text"/>	
2. <input type="text"/>	<input type="text"/>	
3. <input type="text"/>	<input type="text"/>	
4. <input type="text"/>	<input type="text"/>	
5. <input type="text"/>	<input type="text"/>	
*) Put concentration in %		

**Other Equipment:**

Fixed HF radio transceivers:	<input type="text"/>
Mobile HF radio transceivers:	<input type="text"/>
Fax-machines:	<input type="text"/>
eLocust systems:	<input type="text"/>
Satellite receiver:	<input type="text"/>
Walky-talkies:	<input type="text"/>
Protective clothes:	<input type="text" value="55"/>
Camping beds:	<input type="text"/>
Tents:	<input type="text"/>
Field Generators:	<input type="text"/>
Blood testing kits:	<input type="text"/>
Field lap-top computers:	<input type="text"/>
Digital Cameras:	<input type="text"/>
<b>Others:</b>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

**Any further important information for this station:**

There is no independent locust survey and control section but locust operation is integrated with other pest control works. The resources and trained manpower are also shared with other Crop Protection activities. There is one trained locust control officer and a few other experts in the districts who have been trained in nation locust training programmes.

Questionnaire  
Capacities of the LCU

**Locust Control Capacity Info Sheet**

**II. Substation:**

City: Dire Dawa

Province/State: Dire Dawa

**Human resources:** (number of Officers involved in locust control activities)

Station Manager:	
Locust Officers:	
Plant Protection Technicians:	2
Trainers:	
Assistant staff:	
Scouts:	2
Drivers:	
<b>Other staff:</b>	

**Equipment:**

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	1
Hand-held ULV sprayers:	35
Motorized Knapsack sprayers:	2
<b>Other Spray equipment:</b>	
GPS hand set:	1
Compass:	
Anemometer:	
Maps (Sets):	
Stop-watch:	
Hand-lens:	
Tachometer:	

**Other Equipment:**

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	10
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
<b>Others:</b>	

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Malathion 95%		200
2. Chlorpyrifos 24%		2000
3. Fenitrothion 95%		400
4.		
5.		
6.		
7.		
<b>B: EC Formulations</b>		in Litres
1. Fenitrothion 50%		400
2. Malathion 50%		600
3.		
4.		
5.		
<b>B: Dust Formulations</b>		in KG
1.		
2.		
3.		
4.		
5.		
*) Put concentration in %		

**Any further important information for this station:**

There is no independent locust unit. It shares resources including manpower with other sections under Crop Protection.

**Locust Control Capacity Info Sheet**

**II. Substation:**

City: Harar

Province/State: Harari Region

**Human resources:** (number of Officers involved in locust control activities)

Station Manager):	1
Locust Officers:	2
Plant Protection Technicians:	1
Trainers:	1
Assistant staff:	1
Scouts:	1
Drivers:	1
<b>Other staff:</b>	

**Equipment:**

Vehicles (4x4):	1
Trucks:	
Vehicle mounted ULVA mast sprayers:	
Vehicle mounted Micronair sprayers:	1
Hand-held ULV sprayers:	150
Motorized Knapsack sprayers:	1
<b>Other Spray equipment:</b>	
GPS hand set:	1
Compass:	1
Anemometer:	1
Maps (Sets):	
Stop-watch:	1
Hand-lens:	1
Tachometer:	1

**Other Equipment:**

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	5
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
<b>Others:</b>	

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Chlorpyrifos 24%	2500	
2. Fenitrothion 95%	400	
3.		
4.		
5.		
6.		
7.		
<b>B: EC Formulations</b>		in Litres
1. Malathion 50%	1100	
2. Chlorpyrifos 48%	200	
3. Endosulfan 35%	200	
4.		
5.		
<b>B: Dust Formulations</b>		in KG
1.		
2.		
3.		
4.		
5.		

\*) Put concentration in %

**Any further important information for this station:**

The locust activities share resources with all the activities of the Plant Health Clinic in Harar.

**Locust Control Capacity Info Sheet**

**II. Substation:**

City: Bahr Dar

Province/State: Amhara Regiona state

**Human resources:** (number of Officers involved in locust control activities)

Station Manager):	
Locust Officers:	
Plant Protection Technicians:	4
Trainers:	
Assistant staff:	3
Scouts:	
Drivers:	
<b>Other staff:</b>	

**Equipment:**

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	
Vehicle mounted Micronair sprayers:	
Hand-held ULV sprayers:	838
Motorized Knapsack sprayers:	2
<b>Other Spray equipment:</b>	
GPS hand set:	1
Compass:	1
Anemometer:	
Maps (Sets):	
Stop-watch:	
Hand-lens:	
Tachometer:	

**Other Equipment:**

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	166
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
<b>Others:</b>	

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Chlorpyrifos 24%		100
2. Malathion 95%		1500
3.		
4.		
5.		
6.		
7.		
<b>B: EC Formulations</b>		in Litres
1. Endosulfan 35%		1000
2. Malathion 50%		8000
3.		
4.		
5.		
<b>B: Dust Formulations</b>		in KG
1.		
2.		
3.		
4.		
5.		

**Any further important information for this station:**

There is no an independent locust control unit but locust activities are integrated with other pest control activities.