

**Locust Control Capacity Info Sheet**

**COUNTRY:** **ETHIOPIA**

**I. LOCUST CONTROL SERVICE:**

**HQ: City:** ADDIS ABABA

**Official Title of the Locust Control Unit:** MIGRATORY PESTS 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:	2
	Plant Protection Technicians:	-
	Master Trainers:	1
	Assistant staff:	0
	Scouts:	-
	Drivers:	0
	<b>Others:</b>	
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	<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	

**Financial resources:**

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

**Other Equipment:**

Fixed HF radio transceivers:	1
Mobile HF radio transceivers:	3
Fax-machines:	1
eLocust systems:	6
Satellite receiver:	2
RAMSES data base:	yes
Protective clothes:	50
Camping beds:	15
Tents:	15
Field Generators:	
Blood testing kits:	4
Field lap-top computers:	1
Digital Cameras:	10
<b>Other staff:</b>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	

**Equipment:**

Vehicles (4x4):	2
Trucks:	0
Vehicle mounted ULVA mast sprayers:	6
Vehicle mounted Micronair sprayers:	1
Hand-held ULV sprayers:	150
Motorized Knapsack sprayers:	5
<b>Other Spray equipment:</b>	
1. AU 8000 mistblower	28
2. <span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
GPS hand set:	10
Compass:	6
Anemometer:	10
Maps (Sets):	1
Stop-watch:	10
Hand-lens:	8
Tachometer:	8

**Pesticides for locust control:**

A: ULV Formulations *)	in Litres
1. Ethiolathion 95%	1000
3. Ethiotrathion 96%	1200
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	

B: EC Formulations	in Litres
1. Ethiolathion 50%	6600
2. Ethiosulfan 35%	4000
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<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	

B: Dust Formulations	in KG
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
<span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	

\*) 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.

**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):	
Locust Officers:	1
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:	2
Hand-held ULV sprayers:	120
Motorized Knapsack sprayers:	4
<b>Other Spray equipment:</b>	
Au 8000 mistblower	2
GPS hand set:	4
Compass:	2
Anemometer:	2
Maps (Sets):	2
Stop-watch:	2
Hand-lens:	2
Tachometer:	2

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Fenitrothion 95%		200
2. Malathion 95%		500

<b>B: EC Formulations</b>		in Litres
1. Malathion 50%		450
2. Reldon 22.5%		100

<b>B: Dust Formulations</b>		in KG
1.		
2.		
3.		
4.		
5.		

\*) Put concentration in %

**Other Equipment:**

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	105
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
<b>Others:</b>	

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

Locust survey and control activities are integrated with other crop protection activities. The resource including manpower represent at Regional office level.

**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="16"/>
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"/>
Trucks:	<input type="text"/>
Vehicle mounted ULVA mast sprayers:	<input type="text" value="1"/>
Vehicle mounted Micronair sprayers:	<input type="text" value="2"/>
Hand-held ULV sprayers:	<input type="text" value="56"/>
Motorized Knapsack sprayers:	<input type="text" value="4"/>
<b>Other Spray equipment:</b>	<input type="text"/>
AU 8000 mistblower	<input type="text" value="2"/>
<input type="text"/>	<input type="text"/>
GPS hand set:	<input type="text" value="4"/>
Compass:	<input type="text" value="2"/>
Anemometer:	<input type="text" value="2"/>
Maps (Sets):	<input type="text"/>
Stop-watch:	<input type="text" value="2"/>
Hand-lens:	<input type="text" value="2"/>
Tachometer:	<input type="text" value="2"/>

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Chloropyrifos 24%	<input type="text" value="400"/>	<input type="text" value="400"/>
2. Fenitrothion 96%	<input type="text" value="100"/>	<input type="text" value="100"/>
3. Fenitrothion 95%	<input type="text" value="400"/>	<input type="text" value="400"/>
<input type="text"/>	<input type="text" value="4"/>	<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"/>	<input type="text" value="200"/>
2. Diazinone 60%	<input type="text" value="1000"/>	<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="75"/>
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 national locust training programmes. The resource including manpower represent at Regional office level.

**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:	4
Plant Protection Technicians:	1
Trainers:	
Assistant staff:	
Scouts:	1
Drivers:	
<b>Other staff:</b>	

**Equipment:**

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	2
Hand-held ULV sprayers:	55
Motorized Knapsack sprayers:	3
<b>Other Spray equipment:</b>	
AU 8000 mistblower	2
GPS hand set:	2
Compass:	1
Anemometer:	1
Maps (Sets):	1
Stop-watch:	1
Hand-lens:	1
Tachometer:	1

**Pesticides for locust control:**

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

**Other Equipment:**

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	65
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
<b>Others:</b>	

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

There is no independent locust unit. It shares resources including manpower with other sections under Crop Protection. The resource including manpower represent at Regional office level.

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

**Equipment:**

Vehicles (4x4):	<input type="text" value="1"/>
Trucks:	<input type="text" value=""/>
Vehicle mounted ULVA mast sprayers:	<input type="text" value=""/>
Vehicle mounted Micronair sprayers:	<input type="text" value="1"/>
Hand-held ULV sprayers:	<input type="text" value="50"/>
Motorized Knapsack sprayers:	<input type="text" value="1"/>
<b>Other Spray equipment:</b>	<input type="text" value=""/>
AU 8000 mistblower	<input type="text" value="2"/>
<input type="text" value=""/>	<input type="text" value=""/>
GPS hand set:	<input type="text" value="3"/>
Compass:	<input type="text" value="2"/>
Anemometer:	<input type="text" value="2"/>
Maps (Sets):	<input type="text" value=""/>
Stop-watch:	<input type="text" value="2"/>
Hand-lens:	<input type="text" value="2"/>
Tachometer:	<input type="text" value="2"/>

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Chlorpyrifos 24%	<input type="text" value=""/>	<input type="text" value="200"/>
2. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
3. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
4. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
5. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
6. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
7. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<b>B: EC Formulations</b>		in Litres
1. Malathion 50%	<input type="text" value=""/>	<input type="text" value="200"/>
2. Chlorpyrifos 48%	<input type="text" value=""/>	<input type="text" value="100"/>
3. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
4. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
5. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
<b>B: Dust Formulations</b>		in KG
1. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
2. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
3. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
4. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
5. <input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>
*) Put concentration in %		

**Other Equipment:**

Fixed HF radio transceivers:	<input type="text" value=""/>
Mobile HF radio transceivers:	<input type="text" value=""/>
Fax-machines:	<input type="text" value=""/>
eLocust systems:	<input type="text" value=""/>
Satellite receiver:	<input type="text" value=""/>
Walky-talkies:	<input type="text" value=""/>
Protective clothes:	<input type="text" value="40"/>
Camping beds:	<input type="text" value=""/>
Tents:	<input type="text" value=""/>
Field Generators:	<input type="text" value=""/>
Blood testing kits:	<input type="text" value=""/>
Field lap-top computers:	<input type="text" value=""/>
Digital Cameras:	<input type="text" value=""/>
<b>Others:</b>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>

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

The locust activities share resources with all the other activities of the Bureau of Agriculture and Rural Development.

**Questionnaire  
Capacities of the LCU**

**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:	1
Plant Protection Technicians:	2
Trainers:	
Assistant staff:	1
Scouts:	
Drivers:	
<b>Other staff:</b>	

**Equipment:**

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	
Vehicle mounted Micronair sprayers:	3
Hand-held ULV sprayers:	85
Motorized Knapsack sprayers:	2
<b>Other Spray equipment:</b>	
AU 8000 mistblower	5
GPS hand set:	4
Compass:	1
Anemometer:	1
Maps (Sets):	1
Stop-watch:	
Hand-lens:	1
Tachometer:	1

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Chlorpyrifos 24%		
2. Malathion 95%	600	
3. Ethion 95%	400	
4.		
5.		
6.		
7.		
<b>B: EC Formulations</b>		in Litres
1. Endosulfan 35%	1200	
2. Malathion 50%	6000	
3.		
4.		
5.		
<b>B: Dust Formulations</b>		in KG
1.		
2.		
3.		
4.		
5.		
*) Put concentration in %		

**Other Equipment:**

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	1
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	50
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
<b>Others:</b>	

**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. The resource including manpower represent at Regional office level in the Bureau of Agriculture and rural development.

**Locust Control Capacity Info Sheet**

**II. Substation:**

City: Semera

Province/State: Afar

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

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

**Equipment:**

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	
Hand-held ULV sprayers:	35
Motorized Knapsack sprayers:	1
<b>Other Spray equipment:</b>	
AU 8000 mistblower	2
GPS hand set:	3
Compass:	2
Anemometer:	2
Maps (Sets):	2
Stop-watch:	2
Hand-lens:	2
Tachometer:	

**Pesticides for locust control:**

<b>A: ULV Formulations *)</b>		in Litres
1. Ethiolathion 95%		800
2. Chlorpyrifos 24%		800
<b>B: EC Formulations</b>		in Litres
1. Malathion 50%		800
2. Chlorpyrifos 48%		800
	3	
4.		
5.		
<b>B: Dust Formulations</b>		in KG
1.		
2.		
3.		
4.		
5.		

**Other Equipment:**

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	50
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
<b>Others:</b>	

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

The resource including manpower represent at Regional office level as there is no independent Locust unit.