

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

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

HQ:	Senior Officer (Manager):	1
	Locust Control Officers:	0
	Information Officers:	2
	Plant Protection Technicians:	-
	Master Trainers:	1
	Assistant staff:	0
	Scouts:	28
	Drivers:	2
	Others:	
	<input style="width: 100%;" type="text"/>	
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Financial resources:

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

Other Equipment:

Fixed HF radio transceivers:	2
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
Other staff:	
<input style="width: 100%;" type="text"/>	
<input style="width: 100%;" type="text"/>	

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
Other Spray equipment:	
1. AU 8000 mistblower	36
2. <input style="width: 100%;" type="text"/>	
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%	5	3900
3. Ethiotrathion 95%	6	5000
<input style="width: 100%;" type="text"/>	7	
<input style="width: 100%;" type="text"/>		

B: EC Formulations		in Litres
1. Ethiolathion 50%	5	5380
<input style="width: 100%;" type="text"/>		
<input style="width: 100%;" type="text"/>		

B: Dust Formulations		in KG
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, minstry's personnel 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 although the locust unit owns two Toyota Pickups.

II. Field Stations:

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

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:	1
Trainers:	
Assistant staff:	1
Scouts:	
Drivers:	
Other staff:	

Equipment:

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	2
Hand-held ULV sprayers:	1174
Motorized Knapsack sprayers:	926
Other Spray equipment:	
Au 8000 mistblower	2
GPS hand set:	3
Compass:	3
Anemometer:	3
Maps (Sets):	1
Stop-watch:	3
Hand-lens:	3
Tachometer:	

Other Equipment:

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

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Fenitrothion 96%		3200
2. Malathion 95%		2000

B: EC Formulations		in Litres
1. Malathion 50%		7135
2. Fenitrothion 50%		5800

B: Dust Formulations		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. The resource including manpower represent at Regional office level. Transportation during surveys and control operations are provided by the Bureau.

Locust Control Capacity Info Sheet

II. Substation:

City:

Province/State:

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

Station Manager):	
Locust Officers:	1
Plant Protection Technicians:	2
Trainers:	
Assistant staff:	
Scouts:	17
Drivers:	
Other staff:	
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<input type="text"/>	

Equipment:

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	2
Vehicle mounted Micronair sprayers:	
Hand-held ULV sprayers:	20
Motorized Knapsack sprayers:	2
Other Spray equipment:	
AU 8000 mistblower	2
<input type="text"/>	
GPS hand set:	3
Compass:	2
Anemometer:	
Maps (Sets):	
Stop-watch:	
Hand-lens:	2
Tachometer:	

Other Equipment:

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

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Chloropyrifos 24%		400
2. Fenitrothion 96%		100
3. Fenitrothion 95%		400
<input type="text"/>	4	
5.		
6.		
7.		
B: EC Formulations		in Litres
1. Carbosulfan 25%		200
2. Diazinone 60%		1000
3.		
4.		
5.		
B: Dust Formulations		in KG
1.		
2.		
3.		
4.		
5.		
*) Put concentration in %		

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. Transportation during surveys and control operations are provided by the Bureau.

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:	1
Plant Protection Technicians:	1
Trainers:	
Assistant staff:	
Scouts:	4
Drivers:	
Other staff:	

Equipment:

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	
Hand-held ULV sprayers:	88
Motorized Knapsack sprayers:	132
Other Spray equipment:	
AU 8000 mistblower	2
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:	6 Set
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	1
Others:	

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%		1000
2. Fenitrothion 95%		400
	3	
4.		
5.		
6.		
7.		
B: EC Formulations		in Litres
2. Malathion 50%		800
3.		
4.		
5.		
B: Dust Formulations		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. The resource including manpower represent at Regional office level. Transportation during surveys and control operations are provided by the Bureau.

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="1"/>
Plant Protection Technicians:	<input type="text" value="1"/>
Trainers:	<input type="text"/>
Assistant staff:	<input type="text" value="1"/>
Scouts:	<input type="text"/>
Drivers:	<input type="text" value="1"/>
Other staff:	<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" value="1"/>
Vehicle mounted Micronair sprayers:	<input type="text"/>
Hand-held ULV sprayers:	<input type="text" value="156"/>
Motorized Knapsack sprayers:	<input type="text" value="25"/>
Other Spray equipment:	<input type="text"/>
AU 8000 mistblower	<input type="text"/>
<input type="text"/>	<input type="text"/>
GPS hand set:	<input type="text" value="2"/>
Compass:	<input type="text"/>
Anemometer:	<input type="text"/>
Maps (Sets):	<input type="text"/>
Stop-watch:	<input type="text"/>
Hand-lens:	<input type="text"/>
Tachometer:	<input type="text"/>

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="Nill"/>
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" value="1"/>
Others:	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Dursban 96%	<input type="text"/>	<input type="text" value="600"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
3. <input type="text"/>	<input type="text"/>	<input type="text"/>
4. <input type="text"/>	<input type="text"/>	<input type="text"/>
5. <input type="text"/>	<input type="text"/>	<input type="text"/>
6. <input type="text"/>	<input type="text"/>	<input type="text"/>
7. <input type="text"/>	<input type="text"/>	<input type="text"/>
B: EC Formulations		in Litres
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
4. <input type="text"/>	<input type="text"/>	<input type="text"/>
5. <input type="text"/>	<input type="text"/>	<input type="text"/>
B: Dust Formulations		in KG
1. <input type="text"/>	<input type="text"/>	<input type="text"/>
2. <input type="text"/>	<input type="text"/>	<input type="text"/>
3. <input type="text"/>	<input type="text"/>	<input type="text"/>
4. <input type="text"/>	<input type="text"/>	<input type="text"/>
5. <input type="text"/>	<input type="text"/>	<input type="text"/>
*) Put concentration in %		

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. Transportation during surveys and control operations are provided by the Bureau.

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:	
Trainers:	
Assistant staff:	1
Scouts:	
Drivers:	
Other staff:	

Equipment:

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	3
Hand-held ULV sprayers:	85
Motorized Knapsack sprayers:	2
Other Spray equipment:	
AU 8000 mistblower	5
GPS hand set:	4
Compass:	1
Anemometer:	1
Maps (Sets):	1
Stop-watch:	
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:	50
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
Others:	

Pesticides for locust control:

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

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. Transportation during surveys and control operations are provided by the Bureau.

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="1"/>
Plant Protection Technicians:	<input type="text" value="1"/>
Trainers:	<input type="text" value=""/>
Assistant staff:	<input type="text" value=""/>
Scouts:	<input type="text" value=""/>
Drivers:	<input type="text" value=""/>
Other staff:	<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=""/>
Trucks:	<input type="text" value=""/>
Vehicle mounted ULVA mast sprayers:	<input type="text" value="1"/>
Vehicle mounted Micronair sprayers:	<input type="text" value=""/>
Hand-held ULV sprayers:	<input type="text" value=""/>
Motorized Knapsack sprayers:	<input type="text" value="2"/>
Other Spray equipment:	<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="2"/>
Stop-watch:	<input type="text" value="2"/>
Hand-lens:	<input type="text" value="2"/>
Tachometer:	<input type="text" value=""/>

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="50"/>
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=""/>
Others:	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>

Pesticides for locust control:

A: ULV Formulations *)	in Litres
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>

B: EC Formulations	in Litres
1. Malathion 50%	<input type="text" value="200"/>
<input type="text" value=""/>	<input type="text" value=""/>
<input type="text" value=""/>	<input type="text" value=""/>
4. <input type="text" value="3"/>	<input type="text" value=""/>
5. <input type="text" value=""/>	<input type="text" value=""/>

B: Dust Formulations	in KG
1. <input type="text" value=""/>	<input type="text" value=""/>
2. <input type="text" value=""/>	<input type="text" value=""/>
3. <input type="text" value=""/>	<input type="text" value=""/>
4. <input type="text" value=""/>	<input type="text" value=""/>
5. <input type="text" value=""/>	<input type="text" value=""/>

*) Put concentration in %

Any further important information for this station:

The resource including manpower represent at Regional office level as there is no independent Locust unit. Transportation during surveys and control operations are provided by the Bureau.

Locust Control Capacity Info Sheet

II. Substation:

City: **Addis Ababa**

Province/State: **Oromiya Regional state**

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

Station Manager):	
Locust Officers:	1
Plant Protection Technicians:	
Trainers:	
Assistant staff:	
Scouts:	10
Drivers:	
Other staff:	

Equipment:

Vehicles (4x4):	
Trucks:	
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	2
Hand-held ULV sprayers:	50
Motorized Knapsack sprayers:	3
Other Spray equipment:	
GPS hand set:	3
Compass:	4
Anemometer:	4
Maps (Sets):	
Stop-watch:	4
Hand-lens:	4
Tachometer:	4

Other Equipment:

Fixed HF radio transceivers:	
Mobile HF radio transceivers:	
Fax-machines:	
eLocust systems:	
Satellite receiver:	
Walky-talkies:	
Protective clothes:	75
Camping beds:	
Tents:	
Field Generators:	
Blood testing kits:	
Field lap-top computers:	
Digital Cameras:	
Others:	

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Ethiosulfan		500
2.		
3.		
4.		
5.		
6.		
7.		
B: EC Formulations		in Litres
1. Malathion		3000
2. Diazinon		2570
3.		
4.		
5.		
B: Dust Formulations		in KG
1. Sevin wp		1324
2.		
3.		
4.		
5.		
*) Put concentration in %		

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. Transportation during surveys and control operations are provided by the Bureau.

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"/>
Locust Officers:	<input type="text"/>
Plant Protection Technicians:	<input type="text"/>
Trainers:	<input type="text"/>
Assistant staff:	<input type="text"/>
Scouts:	<input type="text"/>
Drivers:	<input type="text"/>
Other staff:	<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"/>
Vehicle mounted Micronair sprayers:	<input type="text"/>
Hand-held ULV sprayers:	<input type="text"/>
Motorized Knapsack sprayers:	<input type="text"/>
Other Spray equipment:	<input type="text"/>
	<input type="text"/>
GPS hand set:	<input type="text"/>
Compass:	<input type="text"/>
Anemometer:	<input type="text"/>
Maps (Sets):	<input type="text"/>
Stop-watch:	<input type="text"/>
Hand-lens:	<input type="text"/>
Tachometer:	<input type="text"/>

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"/>
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"/>
Others:	<input type="text"/>
	<input type="text"/>
	<input type="text"/>

Pesticides for locust control:

A: ULV Formulations *)	in Litres
1.	<input type="text"/>
2.	<input type="text"/>
3.	<input type="text"/>
4.	<input type="text"/>
5.	<input type="text"/>
6.	<input type="text"/>
7.	<input type="text"/>
B: EC Formulations	in Litres
1.	<input type="text"/>
2.	<input type="text"/>
3.	<input type="text"/>
4.	<input type="text"/>
5.	<input type="text"/>
B: Dust Formulations	in KG
1.	<input type="text"/>
2.	<input type="text"/>
3.	<input type="text"/>
4.	<input type="text"/>
5.	<input type="text"/>
*) Put concentration in %	

Any further important information for this station: