

Locust Control Capacity Info Sheet

COUNTRY: **SUDAN**

I. LOCUST CONTROL SERVICE:

HQ: City: KHARTOUM NORTH

Official Title of the Locust Control Unit: CENTRAL INSTITUTION FOR LOCUST RESEARCH AND CONTROL

Official Name of the Ministry: PLANT PROTECTION DIRECTORATE (PPD), MINISTRY OF AGRICULTURE AND

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

HQ:	Senior Officer (Manager):	1
	Locust Control Officers:	5
	Information Officers:	3
	Plant Protection Technicians:	4
	Master Trainers:	3
	Assistant staff:	0
	Scouts:	0
	Drivers:	5
	Others:	
	Radio operators	5
	Store keepers	3

Financial resources:

Annual budget for locust operation (in USD): 862,441

Other Equipment:

Fixed HF radio transceivers:	3
Mobile HF radio transceivers:	2
Fax-machines:	2
eLocust systems:	10
Satellite receiver:	1
RAMSES data base:	1
Protective clothes:	100 set
Camping beds:	0
Tents:	10
Field Generators:	2
Blood testing kits:	0
Field lap-top computers:	3
Digital Cameras:	4
Other staff:	
Training sets	2
Kitchen kit	3

Equipment:

Vehicles (4x4):	30
Trucks:	4
Vehicle mounted ULVA mast sprayers:	20
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	0
Motorized Knapsack sprayers:	10
Other Spray equipment:	
1. Motorized wheel barrow	30
2. Aircraft	?
GPS hand set:	3
Compass:	3
Anemometer:	3
Maps (Sets):	3
Stop-watch:	3
Hand-lens:	3
Tachometer:	3

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%	24,800	
2. Diazinon 80%	30,000	
3. Marshal 200%	70,950	
4. Dursban 45%	21,000	
5. Adonis 12.5%	0	
6. Decis 12.5%	10,000	
7. Polytrin 20%	0	
B: EC Formulations		in Litres
1. Malathion 57%	77,600	
2. Diazinon 60%	81,286	
3. Metastox EC	0	
B: Dust Formulations		in KG
1. Ficam 1%	218,500	
2. Dursban 5%	38,049	
3. Dursban 1%	0	
4. Propoxur 2%	0	
5. Ondain 2%	30,000	

*) Put concentration in %

Any further important information:

Note: the budget for all desert locust outstations and HQ to cover only the operations expenses in case of limited outbreak for both survey and control, the budget is not included the flying hours, pesticides and survey and control equipment.

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.

[Redacted area]

Locust Control Capacity Info Sheet

II. Substation:

City: **FASHIR**

Province/State: **NORTH DARFUR STATE**

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

Station Manager):	1
Locust Officers:	7
Plant Protection Technicians:	3
Trainers:	0
Assistant staff:	43
Scouts:	0
Drivers:	7
Other staff:	
Radio operators	1
Store keeper & Accountant	2

Equipment:

Vehicles (4x4):	7
Trucks:	0
Vehicle mounted ULVA mast sprayers:	4
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	40
Motorized Knapsack sprayers:	28
Other Spray equipment:	
1. Motorized wheel barrow	16
2. Aircraft	0
GPS hand set:	3
Compass:	2
Anemometer:	2
Maps (Sets):	2
Stop-watch:	2
Hand-lens:	2
Tachometer:	2

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%		7,438
2. Diazinon 80%		0
3. Marshal 200%		100
4. Dursban 45%		1,247
5. Adonis 12.5%		1,620
6. Decis 12.5%		0
7. Polytrin 20%		1,000
B: EC Formulations		in Litres
1. Malathion 57%		2,000
2. Diazinon 60%		1,120
3. Metastox EC		0
4. Mobisan 57%		0
B: Dust Formulations		in KG
1. Ficam 1%		2,425
2. Dursban 5%		29
3. Dursban 1%		0
4. Propoxur 2%		0
5. Ondain 2%		0

Other Equipment:

Fixed HF radio transceivers:	2
Mobile HF radio transceivers:	0
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	30
Camping beds:	0
Tents:	0
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0
sollar cell	1

*) Put concentration in %

Any further important information for this station:

[Empty yellow box for additional information]

Locust Control Capacity Info Sheet

II. Substation:

City: **GENEINA**

Province/State: **WEST DARFUR STATE**

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

Station Manager):	1
Locust Officers:	9
Plant Protection Technicians:	4
Trainers:	0
Assistant staff:	55
Scouts:	0
Drivers:	6
Other staff:	
Radio operators	1
Store keeper & Accountant	2

Equipment:

Vehicles (4x4):	6
Trucks:	1
Vehicle mounted ULVA mast sprayers:	5
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	2
Motorized Knapsack sprayers:	34
Other Spray equipment:	
1. Motorized wheel barrow	8
2. Aircraft	0
GPS hand set:	3
Compass:	3
Anemometer:	3
Maps (Sets):	3
Stop-watch:	0
Hand-lens:	0
Tachometer:	0

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%		1,600
2. Diazinon 80%		3,000
3. Marshal 200%		1,500
4. Dursban 45%		0
5. Adonis 12.5%		0
6. Decis 12.5%		0
7. Polytrin 20%		750
B: EC Formulations		in Litres
1. Malathion 57%		120
2. Diazinon 60%		750
3. Metastox EC		0
B: Dust Formulations		in KG
1. Ficam 1%		0
2. Dursban 5%		1,600
3. Dursban 1%		0
4. Propoxur 2%		0
5. Ondain 2%		0

Other Equipment:

Fixed HF radio transceivers:	5
Mobile HF radio transceivers:	0
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	?
Camping beds:	0
Tents:	0
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

Any further important information for this station:

Locust Control Capacity Info Sheet

II. Substation:

City: **OBIED**

Province/State: **NORTH KORDUFAN STATE**

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

Station Manager):	1
Locust Officers:	7
Plant Protection Technicians:	2
Trainers:	0
Assistant staff:	24
Scouts:	0
Drivers:	6
Other staff:	
Radio operators	2
Store keeper & Accountant	2

Equipment:

Vehicles (4x4):	7
Trucks:	1
Vehicle mounted ULVA mast sprayers:	4
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	10
Motorized Knapsack sprayers:	13
Other Spray equipment:	
1. Motorized wheel barrow	4
2. Aircraft	0
GPS hand set:	4
Compass:	3
Anemometer:	3
Maps (Sets):	3
Stop-watch:	3
Hand-lens:	0
Tachometer:	3

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%		3,350
2. Diazinon 80%		225
3. Marshal 200%		898
4. Dursban 45%		523
5. Adonis 12.5%		0
6. Decis 12.5%		0
7. Polytrin 20%		6,719
B: EC Formulations		in Litres
1. Malathion 57%		3,460
2. Diazinon 60%		222
3. Metastox EC		0
B: Dust Formulations		in KG
1. Ficam 1%		527
2. Dursban 5%		360
3. Dursban 1%		0
4. Propoxur 2%		0
5. Ondain 2%		1,593

Other Equipment:

Fixed HF radio transceivers:	5
Mobile HF radio transceivers:	3
Fax-machines:	1
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	0
Camping beds:	?
Tents:	?
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

*) Put concentration in %

Any further important information for this station:

[Empty yellow box for additional information]

Locust Control Capacity Info Sheet

II. Substation:

City: DONGOLA

Province/State: NORTHERN STATE

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

Station Manager):	1
Locust Officers:	6
Plant Protection Technicians:	10
Trainers:	0
Assistant staff:	42
Scouts:	0
Drivers:	2
Other staff:	
Radio operators	1
Store keeper & Accountant	2

Equipment:

Vehicles (4x4):	2
Trucks:	0
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	0
Motorized Knapsack sprayers:	3
Other Spray equipment:	
1. Motorized wheel barrow	0
2. Aircraft	0
GPS hand set:	2
Compass:	2
Anemometer:	2
Maps (Sets):	2
Stop-watch:	2
Hand-lens:	0
Tachometer:	0

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%	0	
2. Diazinon 80%	0	
3. Marshal 200%	500	
4. Dursban 45%	0	
5. Adonis 12.5%	0	
6. Decis 12.5%	0	
7. Polytrin 20%	0	
B: EC Formulations		in Litres
1. Malathion 57%	0	
2. Diazinon 60%	210	
3. Metastox EC	0	
B: Dust Formulations		in KG
1. Ficam 1%	200	
2. Dursban 5%	0	
3. Dursban 1%	0	
4. Propoxur 2%	0	
5. Ondain 2%	0	

Other Equipment:

Fixed HF radio transceivers:	2
Mobile HF radio transceivers:	0
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	0
Camping beds:	0
Tents:	?
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

Any further important information for this station:

Locust Control Capacity Info Sheet

II. Substation:

City: DAMER

Province/State: RIVER NILE STATE

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

Station Manager):	1
Locust Officers:	10
Plant Protection Technicians:	6
Trainers:	0
Assistant staff:	70
Scouts:	0
Drivers:	4
Other staff:	
Radio operators	3
Store keeper & Accountant	4

Equipment:

Vehicles (4x4):	3
Trucks:	0
Vehicle mounted ULVA mast sprayers:	0
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	15
Motorized Knapsack sprayers:	3
Other Spray equipment:	
1. Motorized wheel barrow	7
2. Aircraft	0
GPS hand set:	2
Compass:	2
Anemometer:	2
Maps (Sets):	2
Stop-watch:	0
Hand-lens:	0
Tachometer:	0

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%	0	
2. Diazinon 80%	0	
3. Marshal 200%	0	
4. Dursban 45%	0	
5. Adonis 12.5%	250	
6. Decis 12.5%	0	
7. Polytrin 20%	400	
B: EC Formulations		in Litres
1. Malathion 57%	247	
2. Diazinon 60%	0	
3. Metastox EC	0	
B: Dust Formulations		in KG
1. Ficam 1%	150	
2. Dursban 5%	0	
3. Dursban 1%	0	
4. Propoxur 2%	0	
5. Ondain 2%	0	

Other Equipment:

Fixed HF radio transceivers:	10
Mobile HF radio transceivers:	0
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	0
Camping beds:	0
Tents:	?
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

Any further important information for this station:

Locust Control Capacity Info Sheet

II. Substation:

City: KASSALA

Province/State: KASSALA STATE

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

Station Manager):	1
Locust Officers:	5
Plant Protection Technicians:	3
Trainers:	0
Assistant staff:	31
Scouts:	0
Drivers:	2
Other staff:	
Radio operators	2
Store keeper & Accountant	2

Equipment:

Vehicles (4x4):	5
Trucks:	0
Vehicle mounted ULVA mast sprayers:	0
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	25
Motorized Knapsack sprayers:	12
Other Spray equipment:	
1. Motorized wheel barrow	4
2. Aircraft	0
GPS hand set:	2
Compass:	2
Anemometer:	2
Maps (Sets):	2
Stop-watch:	2
Hand-lens:	0
Tachometer:	0

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%	1,400	
2. Diazinon 80%	1,600	
3. Marshal 200%	1,570	
4. Dursban 45%	500	
5. Adonis 12.5%	0	
6. Decis 12.5%	0	
7. Polytrin 20%	0	
B: EC Formulations		in Litres
1. Malathion 57%	2,300	
2. Diazinon 60%	0	
3. Metastox EC	0	
B: Dust Formulations		in KG
1. Ficam 1%	0	
2. Dursban 5%	0	
3. Dursban 1%	0	
4. Propoxur 2%	0	
5. Ondain 2%	1,625	

Other Equipment:

Fixed HF radio transceivers:	3
Mobile HF radio transceivers:	0
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	?
Camping beds:	?
Tents:	?
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

*) Put concentration in %

Any further important information for this station:

Locust Control Capacity Info Sheet

II. Substation:

City: **DEUEIM**

Province/State: **WHITE NILE STATE**

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

Station Manager):	1
Locust Officers:	3
Plant Protection Technicians:	0
Trainers:	0
Assistant staff:	22
Scouts:	0
Drivers:	2
Other staff:	
Radio operators	1
Store keeper & Accountant	2

Equipment:

Vehicles (4x4):	1
Trucks:	0
Vehicle mounted ULVA mast sprayers:	0
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	0
Motorized Knapsack sprayers:	11
Other Spray equipment:	
1. Motorized wheel barrow	2
2. Aircraft	0
GPS hand set:	2
Compass:	2
Anemometer:	2
Maps (Sets):	2
Stop-watch:	2
Hand-lens:	0
Tachometer:	0

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%		600
2. Diazinon 80%		0
3. Marshal 200%		0
4. Dursban 45%		0
5. Adonis 12.5%		0
6. Decis 12.5%		0
7. Polytrin 20%		0
B: EC Formulations		in Litres
1. Malathion 57%		583
2. Diazinon 60%		0
3. Metastox EC		0
B: Dust Formulations		in KG
1. Ficam 1%		400
2. Dursban 5%		0
3. Dursban 1%		0
4. Propoxur 2%		0
5. Ondain 2%		0

Other Equipment:

Fixed HF radio transceivers:	5
Mobile HF radio transceivers:	0
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	0
Camping beds:	0
Tents:	?
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

Any further important information for this station:

** Insecticides stock for Deueim station is kept in Kosti stores, because Deueim station is under supervision of Kosti.

Locust Control Capacity Info Sheet

II. Substation:

City: KHARTOUM

Province/State: KHARTOUM STATE

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

Station Manager):	1
Locust Officers:	8
Plant Protection Technicians:	3
Trainers:	0
Assistant staff:	8
Scouts:	0
Drivers:	3
Other staff:	0
Radio operators	1
Store keeper & Accountant	2

Equipment:

Vehicles (4x4):	3
Trucks:	0
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	0
Motorized Knapsack sprayers:	3
Other Spray equipment:	
1. Motorized wheel barrow	6
2. Aircraft	0
GPS hand set:	2
Compass:	2
Anemometer:	2
Maps (Sets):	2
Stop-watch:	2
Hand-lens:	0
Tachometer:	0

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%	800	
2. Diazinon 80%	0	
3. Marshal 200%	225	
4. Dursban 45%	0	
5. Adonis 12.5%	0	
6. Decis 12.5%	0	
7. Polytrin 20%	1,000	
B: EC Formulations		in Litres
1. Malathion 57%	515	
2. Diazinon 60%	0	
3. Metastox EC	0	
B: Dust Formulations		in KG
1. Ficam 1%	0	
2. Dursban 5%	155	
3. Dursban 1%	0	
4. Propoxur 2%	0	
5. Ondain 2%	0	

Other Equipment:

Fixed HF radio transceivers:	1
Mobile HF radio transceivers:	0
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	?
Camping beds:	?
Tents:	?
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

*) Put concentration in %

Any further important information for this station:

Locust Control Capacity Info Sheet

II. Substation:

City: SUAKIN

Province/State: RED SEA STATE

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

Station Manager):	1
Locust Officers:	2
Plant Protection Technicians:	0
Trainers:	0
Assistant staff:	10
Scouts:	0
Drivers:	3
Other staff:	
Radio operators	0
Store keeper & Accountant	1

Equipment:

Vehicles (4x4):	1
Trucks:	1
Vehicle mounted ULVA mast sprayers:	3
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	0
Motorized Knapsack sprayers:	42
Other Spray equipment:	
1. Motorized wheel barrow	5
2. Aircraft	0
GPS hand set:	3
Compass:	3
Anemometer:	3
Maps (Sets):	2
Stop-watch:	3
Hand-lens:	3
Tachometer:	3

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%	24,940	
2. Diazinon 80%	0	
3. Marshal 200%	0	
4. Dursban 45%	0	
5. Adonis 12.5%	0	
6. Decis 12.5%	0	
7. Polytrin 20%	5,200	

B: EC Formulations		in Litres
1. Malathion 57%	3,000	
2. Diazinon 60%	0	
3. Metastox EC	0	

B: Dust Formulations		in KG
1. Ficam 1%	3,350	
2. Dursban 5%	0	
3. Dursban 1%	0	
4. Propoxur 2%	0	
5. Ondain 2%	0	

*) Put concentration in %

Other Equipment:

Fixed HF radio transceivers:	5
Mobile HF radio transceivers:	2
Fax-machines:	1
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	50
Camping beds:	20
Tents:	10
Field Generators:	3
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	1
Others:	0
solar cell	2
meteorological station	1

Any further important information for this station:

**Questionnaire
Capacities of the LCU**

Locust Control Capacity Info Sheet

II. Substation:

City: **KOSTI**

Province/State: **WHITE NILE STATE**

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

Station Manager):	1
Locust Officers:	8
Plant Protection Technicians:	5
Trainers:	0
Assistant staff:	46
Scouts:	0
Drivers:	4
Other staff:	
Radio operators	2
Store keeper & Accountant	2

Equipment:

Vehicles (4x4):	3
Trucks:	1
Vehicle mounted ULVA mast sprayers:	0
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	17
Motorized Knapsack sprayers:	12
Other Spray equipment:	
1. Motorized wheel barrow	9
2. Aircraft	0
GPS hand set:	0
Compass:	0
Anemometer:	0
Maps (Sets):	0
Stop-watch:	0
Hand-lens:	0
Tachometer:	0

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%	1,800	
2. Diazinon 80%	1,394	
3. Marshal 200%	0	
4. Dursban 45%	3,000	
5. Adonis 12.5%	0	
6. Decis 12.5%	0	
7. Polytrin 20%	2,150	
B: EC Formulations		in Litres
1. Malathion 57%	0	
2. Diazinon 60%	0	
3. Metastox EC	0	
4.		
5.		
B: Dust Formulations		in KG
1. Ficam 1%	0	
2. Dursban 5%	0	
3. Dursban 1%	0	
4. Propoxur 2%	0	
5. Ondain 2%	0	

Other Equipment:

Fixed HF radio transceivers:	2
Mobile HF radio transceivers:	2
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	0
Camping beds:	
Tents:	
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

Any further important information for this station:

Locust Control Capacity Info Sheet

II. Substation:

City: NYALA

Province/State: SOUTH DARFUR STATE

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

Station Manager):	1
Locust Officers:	13
Plant Protection Technicians:	0
Trainers:	0
Assistant staff:	35
Scouts:	0
Drivers:	4
Other staff:	
Radio operators	1
Store keeper & Accountant	1

Equipment:

Vehicles (4x4):	4
Trucks:	0
Vehicle mounted ULVA mast sprayers:	1
Vehicle mounted Micronair sprayers:	0
Hand-held ULV sprayers:	0
Motorized Knapsack sprayers:	34
Other Spray equipment:	
1. Motorized wheel barrow	6
2. Aircraft	0
GPS hand set:	0
Compass:	0
Anemometer:	0
Maps (Sets):	0
Stop-watch:	0
Hand-lens:	0
Tachometer:	0

Pesticides for locust control:

A: ULV Formulations *)		in Litres
1. Malathion 96%	0	
2. Diazinon 80%	400	
3. Marshal 200%	0	
4. Dursban 45%	0	
5. Adonis 12.5%	200	
6. Decis 12.5%	0	
7. Polytrin 20%	0	
B: EC Formulations		in Litres
1. Malathion 57%	0	
2. Diazinon 60%	140	
3. Metastox EC	0	
4.		
5.		
B: Dust Formulations		in KG
1. Ficam 1%	0	
2. Dursban 5%	0	
3. Dursban 1%	0	
4. Propoxur 2%	0	
5. Ondain 2%	0	

Other Equipment:

Fixed HF radio transceivers:	5
Mobile HF radio transceivers:	0
Fax-machines:	0
eLocust systems:	0
Satellite receiver:	0
Walky-talkies:	0
Protective clothes:	
Camping beds:	
Tents:	
Field Generators:	0
Blood testing kits:	0
Field lap-top computers:	0
Digital Cameras:	0
Others:	0

Any further important information for this station: