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The Sudan Country Situation Report on Highly Hazardous Pesticides (HHPs)

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Acronyms

NIF	Islamic National Front
CPIA	Country Policy and Institutional Assessment
IDA	International Development Association
ILO	International Labor Organization
GMO	Genetic modified organism
SDNAIP	Sudan Agricultural Investment Plan
SPS	Sanitary and Phyto-sanitary
DPP	Directorate of Plant Protection
SAGA	Sudanese Agrochemicals Association
NPC	The National Pesticides Council
PDC	The National Pests and Diseases Committee
ARTC	The Agricultural Research and Technology Corporation
ARC	Agricultural Research Corporation
SSMO	Sudan Standard Measurement Organization
HCENR	Higher Council for Environment and Natural Resources
CSO	Civil Society organization
DNA	The Designated National Authority
SC	Stockholm Convention
PIC	Prior Informed Consent (the chemicals listed in the Rotterdam Convention that are subject to the international legally binding prior informed consent (PIC) procedure)
POPs	Persistent Organic Pollutants
NIP	National Implementation Plan
SAICM	Strategic Approach to International Chemical Management
SECS	Sudanese Environment Conservation Society
HHPs	Highly Hazardous Pesticides
GEF	Global Environment Facility
UNIDO	United Nations Industry and Development Organization
UNEP	United Nations Environment Program
COMESA	The Common Market for Eastern and Southern Africa



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1. Introduction – Profile of Sudan

Geography and population

Sudan, situated in northeast Africa, is the third-largest country on the African continent with a total area of 1,882,000 square kilometers. Its geography ranges from desert in the north to grasslands in the centre and tropical bush in the south. The River Nile traverses the country from south to north, while the Red Sea washes against about 550 miles of eastern coast, making Sudan a bridge between Africa and the Middle East. The Blue and the White Nile join in Khartoum to form the main River Nile. Sudan extends from latitude 4 to 23 degrees north, and it borders seven countries: Central African Republic, Chad, Egypt, Eritrea, Ethiopia, Libya and South Sudan (Figure 1).

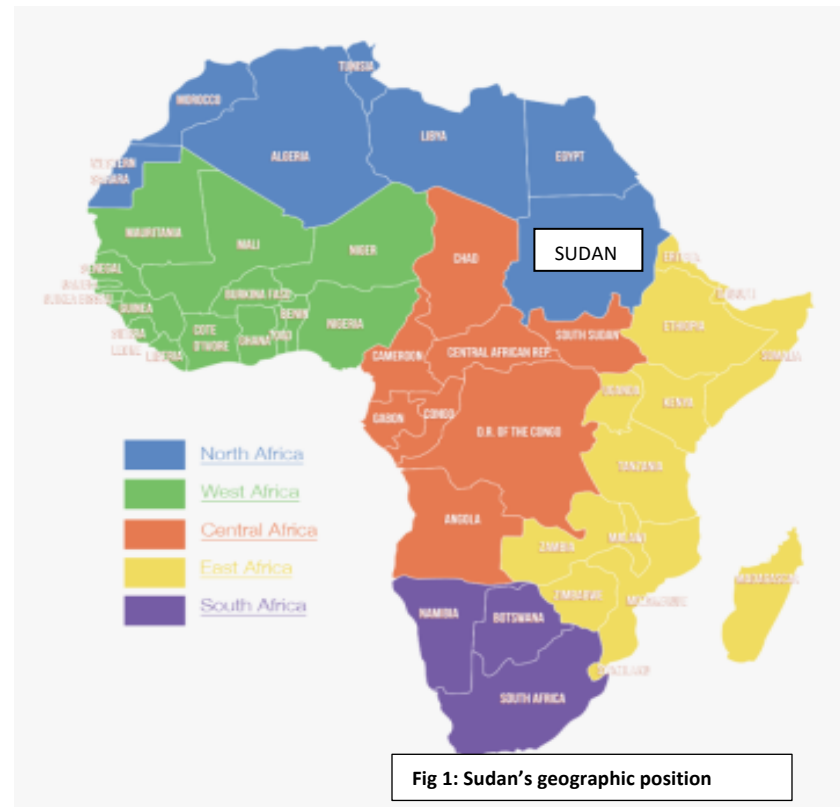


Fig 1: Sudan's geographic position

Sudan is divided into an ecological zone: desert (29%), semi-desert (19%), woodland savannah (27%), and flood region and mountain vegetation (14%) as high rainfall savannah, less than 1% as true mountain vegetation and the forests cover about 11% of the total area of the country. The country faces a number of environmental challenges related to climate change including soil erosion, desertification and recurrent droughts.

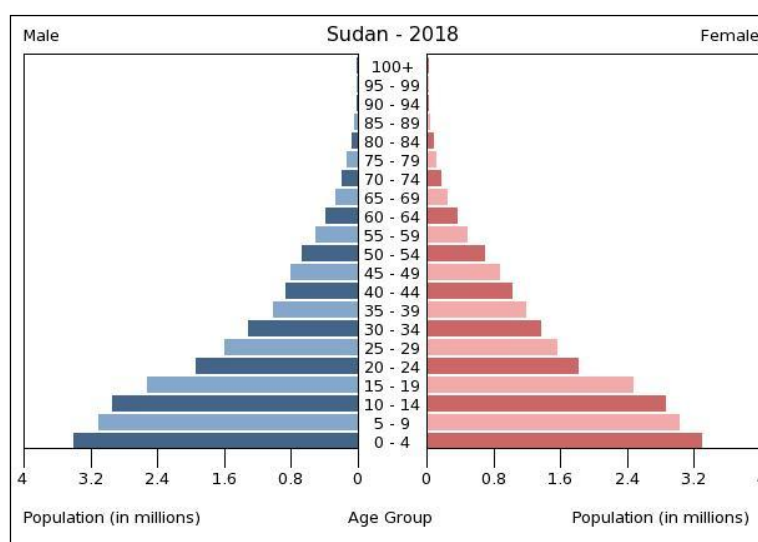
Transportation infrastructure adequately covers the central and north-western parts of the country, while the western and southern parts still depend on transportation occasionally, it is difficult to use. To reach the main port, Port Sudan, from Khartoum or from the main agricultural areas in the Gezira, it takes one day or longer by road.

The current population of Sudan is 43,665,870, with a growth rate of 2.4% as of 2019, based on Bank and of the latest United Nations data. About 35% of the population is urban (15,349,424 people in 2020). The population is relatively young: while slightly more than 43% are younger than 14 years old, only about 4% are older than 65. The average population density is 21.3/km² (55.2/sq. mi). The Sudanese population is highly diverse, consisting of about 19 different ethnic groups and almost 600 subgroups.

**Table 1. The population structure of Sudan**

Age group	%	Male	Female
0-14 years	43.07%	9,434,634	9,136,951
15-24 years	20.22%	4,459,335	4,259,341
25-54 years	29.8%	6,236,954	6,612,593
55-64 years	3.93%	876,614	819,048
65 years and over	2.98%	688,391	596,982

Table (1) highlights the population distribution and the characteristics, which are relevant in assessing the impact of POP pesticides and their adverse impacts.

**Fig.2.Age structure**

Source: [CIA World Fact book](#) – 2019

Economic and political profiles

Sudan is well endowed with natural resources in terms of agricultural potential and minerals. The economy is and, for the foreseeable future, will remain highly dependent on agriculture and oil. Agriculture, accounting for 32% of GDP, also contracted in 2019; its contribution to GDP has declined in recent years due to shortages of inputs, especially fuel; a weak business environment, where political uncertainty discouraged private investment; as well as dampened confidence and productivity in manufacturing and construction.

GDP is projected to contract further, by 1.6% in 2020 and 0.8% in 2021, due to the political situation, tepid domestic demand, and weak private sector investment. Inflation reached 50.6% in 2019, fuelled by high production input costs due to currency depreciation.

As the world's largest producer of Gum Arabic, Sudan will continue to depend on agriculture (32% of GDP in 2019) to boost its exports, generate foreign exchange, and reduce the current account deficit. Sudan is in debt distress, reducing its capacity to mobilize domestic resources or to borrow from international markets. By September 2019, outstanding public and publicly guaranteed external debt was estimated at about \$60 billion, up from \$53.6 billion in 2016 and \$56 billion in 2018.

Extreme poverty fell from 29.6% of the population in 2010 to 25.2% in 2015, as inequality declined more in rural areas than in urban ones.



In spite of the potential for national food self-sufficiency, importation of foodstuff remains high (20% of total imports), whereas self-sufficiency in petroleum products is close to being achieved, having dropped from 22% to 7% of imports during the past five years. However, neither the potential of the agricultural sector, nor that of the oil sector, are being fully exploited. While both are prone to frequent external shocks from climatic conditions and/or international price fluctuations, major constraints to developing their potential originate directly or indirectly from the settlement of the internal conflicts.

1.1 General overview of the country and its agriculture activities

Despite the enormity of Sudan's natural resources, the country's agricultural sector's development is well below its potential, although it represents the major source of growth in the country's economy. Several socioeconomic, technical, managerial and institutional constraints affect the attainment of sustainable development within the agricultural sector.

Given that agriculture is a key sector of the Sudanese economy, contributing about one-third to GDP, it provides a livelihood to about 70% of total population, and employs an estimated 53% of the nation's labour force, 50% in rural areas (ILO estimation of 2018). Agriculture is responsible for the supply of basic staple foods and animal products, in addition to the supply of raw materials to the food industry. Agricultural exports are returning to prominence as important sources of foreign exchange earnings after the decline of oil exports.

The main cropping systems in Sudan are irrigated farming schemes and rain-fed farming. Major agricultural exports are cotton, sesame, Gum Arabic and livestock. Grain sorghum is the principal food crop, and wheat is grown for domestic consumption.

Gezira – the largest irrigation scheme in Sudan

The Gezira Scheme, located between the Blue and White Niles south of Khartoum, is one of the largest irrigation projects in the world. It covers an area of 2.1 million feddans (882,000 hectares) and serves up to 140,000 farmers. Most farmers own between 12 and 20 feddans (5–8.5 hectares). They grow wheat, sorghum, cotton, peanuts and other legumes, as well as a range of vegetables. The Gezira Scheme provides farmers with irrigation water from the Blue Nile through a network of gravity-fed canals. Farmers open small gaps in the earth wall separating an irrigation channel from their field, allowing the water to flow onto the land. Once the soil is soaked, the farmer closes the gap again. Most smallholders get seed, fertilizer and pesticides from the Scheme on credit, paying for the inputs after harvest. Water-users' associations represent the farmers' interests in discussions with the Ministry of Irrigation and Water Resources, which manages the Scheme. In recent years, though, productivity of the farms has declined, in part due to poor irrigation management. Farmers have faced losses as a result.

-- Benjamin Kwasi Addom, ICT, *Technical Brief*

1.1.1 The irrigated farming system

The irrigated farming system area is about 2 million hectares out of about 84 million hectares that are potentially arable. About 93% of the irrigated area projects are implemented by the government; the remaining 7% belongs to private owners. Irrigation is mainly from the River Nile and its tributaries by means of gravity or pumps, or from spate flow from the seasonal rivers at Gash and Tokar deltas. The principal crops of the irrigated sector include sugarcane, cotton, sorghum, groundnuts, wheat, vegetables, fruits and green fodders. It includes:

- Large national irrigation schemes (Al Gezira, Al Suki, New Halfa and Al Rahad) using river flow from the Nile and its tributaries.
- Large-scale irrigation schemes (Gash and Tokar in the Eastern Region) using seasonal floods.
- Small-scale irrigation along the banks of the Nile and its tributaries.



1.1.2. Mechanized rain-fed farming system

In this type of system, where the machinery is used, an area varying from a few thousand to a couple of million feddans is selected by virtue of suitable fertile flat soil and optimum rainfall for rain-fed agriculture and demarcated for crop production. The forest is totally removed using heavy land clearance machinery, resulting in vast expanses of bare land. This contributed to a shortage of natural animal feeds that led to overgrazing. Modern agriculture is characterized by the use of advanced improved cultivars in a mono-cropping system of agriculture.

1.1.3. Traditional rain-fed farming system

The traditional rain-fed farming system can be nomadic, transhumant¹ (type of pastoralists or nomadism moving with animals and growing short-maturity subsistence crops), and sedentary, which also includes a significant number of livestock. Land in the Sudan is suitable for rearing of animals, with an estimated total livestock population in 2018 of 109 million heads of cattle, sheep, goats, camels and others.

Many studies have found that decreases in agricultural productivity are due to frequent drought, land degradation, inefficiency in irrigation infrastructure and inconsistent agricultural policies. It also appears that decreases are due to weather patterns. The situation worsened because agriculture in particular was neglected since the emergence of oil production in the early 2000s. Moreover, agricultural growth in Sudan was unbalanced, most irrigated agriculture was concentrated in the center, and there was a significant disparity in development indicators between the best and worst performers.

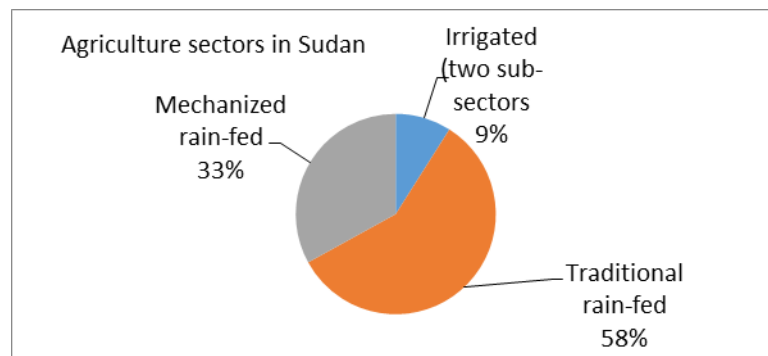


Fig:3 Agriculture sectors in Sudan

1.2. Main crops produced in the country

Major agricultural exports from Sudan are cotton, sesame, Arabic gum and livestock. Grain sorghum is the principal food crop, and wheat is grown for domestic consumption. Sudan grows a variety of crops that include cereals (wheat, sorghum, millet, corn and rice), oil –seeds (sesame, groundnuts and sunflowers), fodder crops (alfalfa, fodder sorghum and rhodes grass), industrial crops (cotton and sugarcane), and other varieties, which include beans, chickpeas, lentils and horticultural crops (okra, onions, tomatoes, citrus, mango, etc.) as shown in table 2 below:

¹ Transhumance is a type of pastoralism or nomadism, a seasonal movement of livestock between fixed summer and winter pastures. In montane regions (vertical transhumance), it implies movement between higher pastures in summer and lower valleys in winter. Herders have a permanent home, typically in valleys.



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Table 2: The Sudan - Exports of crop products, 2017 and 2018

Crop/product	2018		2018 ^{1/}		2019 ^{1/}	
	Weight (tonnes)	Value ('000 USD)	Weight (tonnes)	Value ('000 USD)	Weight (tonnes)	Value ('000 USD)
Cotton (bales)	111 134	159 481	77 892	111 859	88 660	124 823
Gum Arabic	76 394	112 766	55 939	81 543	64 598	82 169
Sesame	704 568	576 155	396 239	370 692	390 826	495 509
Sugar	1 206	2 003	-	-	6 473	2 738
Groundnuts	80 768	59 846	59 620	43 532	230 438	155 198
Sorghum	141 152	27 149	118 979	23 159	153 246	32 649
Hibiscus flowers	12 568	15 461	9 626	11 993	6 713	7 934
Watermelon seeds	92 220	61 324	74 149	49 335	60 830	38 208

Source: Central Bank of Sudan, 2019

1.3. National pesticide registration and control policy framework

The Ministry of Agriculture and Forestry is in charge of agricultural policies, including implementation of the Sudan Agricultural Investment Plan, and performs important sanitary and phyto-sanitary functions. The Directorate of Plant Protection and the Directorate of the irrigated schemes are mandated to control the crop pests. Whereas the pesticides council is entrusted to manage the pesticides, the Pesticide and Pest Control Act of 1994, has six regulations relating to trafficking, trading, deportation and storage of active substances, and chemical and physical properties (such as quality control). The organizational flow chart for the registration of pesticides in Sudan can be summarized as shown here:

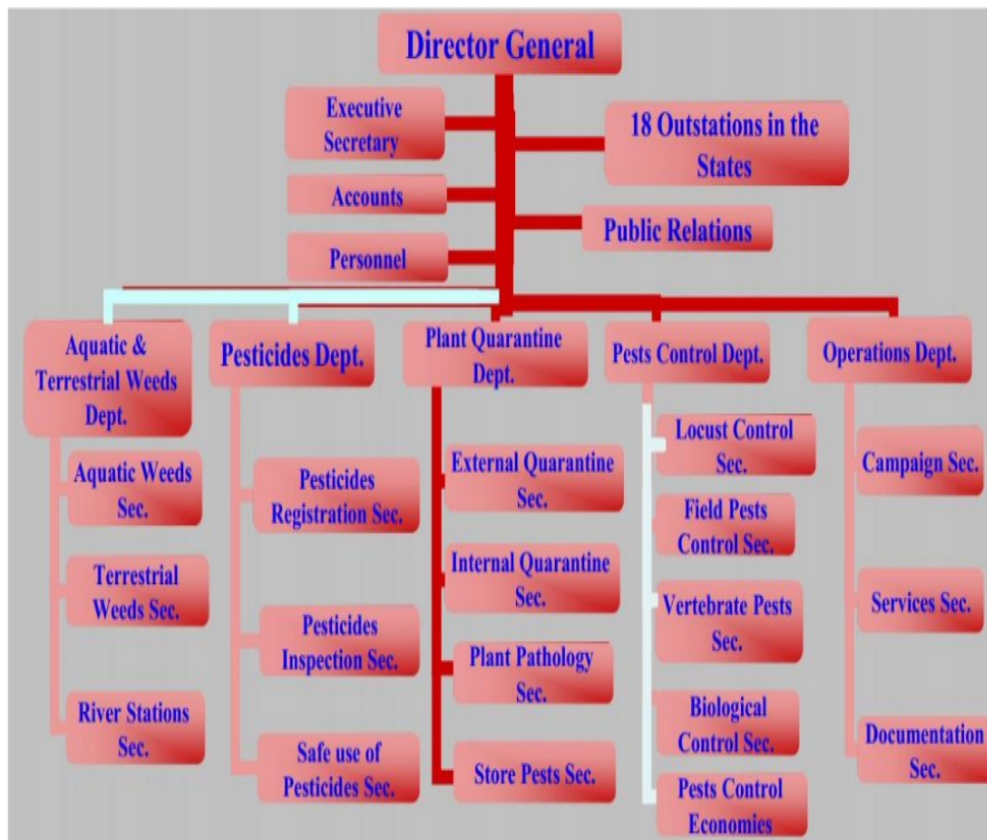


Fig.4 Organization Structure of the Plant Protection Directorate

Source: Plant Protection, Ministry of Agriculture



Registration requires several steps:

1. Applicants fill out the form for provisional registration and submit it to the registrar of the NPC.
2. The NPC passes the form to the technical committee, which reviews the information given in the form according to the Pesticide and Pest Control Act of 1994 and either recommends to the NPC to reject or accept the provisional registration of the pesticide.
3. Products approved for provisional registration must be tested by relevant research institutions under local conditions, and results of the test must be approved by the National Pests and Diseases Committee, which either recommends (or rejects) to the NPC the registration of the product for commercial use, based on the following measures:
 - a. Method of testing should follow the approved protocol;
 - b. Residues of the product(s) tested in edible crops and/or the environment should be within acceptable limits (Codex Alimentarius); and,
 - c. Standard treatment(s) must be included in every field assay, and the standard should be an already registered product.
 - d. Test products are only recommended if their biological performance is as good as or better than that of the standard products.
4. The NPC reviews the recommendation of the NPDC and either approves it or rejects². If approved, product is thus registered for commercial use.

1.4. Authorities responsible for registration of pesticides, and role of different ministries

The Ministry of Agriculture and Forestry is in charge of agricultural policies, including implementation of the Sudan Agricultural Investment Plan, and performs important sanitary and phyto-sanitary functions (Table 3). The Pesticides Act of 1994 established the National Council for Pesticides, which has mandatory members from 19 organizations representing most of the interests relevant in managing pesticide substances and their adverse impacts.

The pesticides council is headed by the Undersecretary of the Ministry of Agriculture and Forestry, and its members include:

- Registrar/the Director General of Plant Protection
- Representatives of the Agricultural Research Authority (4 members),
- The Ministry of Health (4 members)
- The Ministry of Livestock University of Khartoum (2 members),
- The Sudanese Standards and Measurement Authority(SSMA), customs, economic security
- The Higher Council for the Environment
- Experienced legal advisers, one of whom is the author of the article

In addition to the National Council of Pesticides, other ministries deal with the management of pesticides, as indicated in Table 3 below:

² Abdelbagi A, et.al .Impact of Pesticides and Other Chemicals on the Environment. Higher council for Environment and Natural Resources Khartoum, Sudan.



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Table 3. Authorities responsible for pesticide-related decisions

Authorities		Roles
Ministry of Agriculture and Forestry	Directorate of Agricultural Extension	-Information and awareness-raising of farmers
	Directorate of Plant Protection	-Spearhead the control/management of crop pests and diseases -Control migratory pests
	The National Pesticides Council	-Register and control pesticides in use in the country -Issue the phytosanitary certificate -Control and certified pesticides business -Phytosanitary conformity control of products -Ensure that the quality of the pesticide locally manufactured or imported, stocked and ready for distribution and sale, conforms to the requirements of Sudanese Standards -Ensure that the disposal of any adulterated pesticide is done according to the agency's directives -Ensure environmental sustainability through integrated pest management and other eco-friendly means -Coordinate with national and international institutions related to the management of pesticides in agricultural and health, the quality of inputs and maintain sustainable productivity and quality of crops -Conduct research on agricultural products and pesticides trials before registration scientific, supervision precaution organization
Sudan Standard Measurement Organization		-Consumer protection through improving products quality. -Set out standards of different commodities and services according to internationally acceptable standards.
Higher Council for Environment and Natural Resources		-Plan and coordinate at the national level -Elicit and coordinate national policies and plans, as well as proposing legislation for environmental protection and conservation of natural resources -Serve as a focal point of all the international and regional conventions and agreements concerned with natural resources and environment
Ministry of Health	Directorate of Environmental Health	-Govern the control of malaria and other vector-borne diseases -Register and control the administration of pharmaceuticals, medical devices and pesticides for public health
	Directorate of Occupational Health	- Support safe chemical processing throughout the entire process - import, transport, storage, use and waste management



1.5. International chemical conventions related with pesticides (Stockholm, Montreal Protocol, and Rotterdam)

Table 4. International Chemical Conventions Sudan Ratified

International chemical conventions related to pesticides	Status	Designated national authority for each convention	Focal person
Stockholm	Ratification (May 23, 2006)	Higher Council for Environment and Natural Resources	Mr. Rashid Mekki Hassan
Basel	Accession (January 2006)	Higher Council for Environment and Natural Resources	Mr. Rashid Mekki Hassan
Montreal Protocol	Accession (January 1993)	Higher Council for Environment and Natural Resources	Ms. Nagat Adam
Rotterdam	Accession (Feb. 17, 2005)	Higher Council for Environment and Natural Resources	Mr. Mamoun Eisa Abdelgadir
International Plant Protection Convention	Ratification 2002 ³	Ministry of Agriculture	Mr. Kamal Suliman Obaid Omer

2. Status of pesticide use in the country

As Sudan is a party to the Stockholm Convention, which prohibits the formulation, import, export, sale or use of a number of synthetic pesticides classified as persistent organic pollutants (POPs) which have been enforced since 2006. However, many of the pesticides, such as fentrotion, endosulfan and its related isomers, dimethoate, atrazine and many other Highly Hazardous Pesticides (HHPs) are still being used in Sudan, although the country is still signatory to a number of agreements and conventions regarding their use.

In the presences of the regulation and regulatory body for pesticides and being party to a number of international conventions, Sudan is still using more than 50% of the banned pesticides in different sectors mainly for agriculture. Hence, enforcement of the laws needs to be one of the focus areas of the government, the Association of Farmers, the Association of the non-governmental organizations and other interested groups.

2.1. The list of nationally registered pesticides

Sudan registered 128 active ingredients of pesticides (see Tables 6 and 7), with 302 trade names provided by 72 Sudanese companies as well as agents of international companies, mainly Chinese, India and Japan. (Table:5 and Fig:5)

³ https://treaties.un.org/pages/ViewDetails.aspx?src=TREATY&mtdsg_no=XXVII-2-a&chapter=27&lang=en

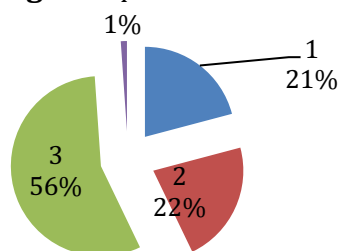


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Table 5. Number of active ingredients/commercial brands registered in Sudan by type of pest

Type of pest control	Active substances	Commercial brands
Insecticides	76	89
Fungicides	15	16
Herbicides	30	112
Rodenticides	04	4
others	-----	-----

Fig5: Types of Pesticides Used in Agriculture



1. Fungicides	2. Herbicides	3. Insecticides	4. Rodenticides
21%	22%	56%	1%



Table 6. List of active ingredients of the national registered pesticides in Sudan for agriculture use

2.4-D (ACID EQUIVALENTE)-DICAMBA	Beta-Cyfluthrin	Cycloxydim	Fenthion	Imidacloprid	Oxyfluorfen	SUMETHRIN-PRALLETHRIN
2.4-D (ACID EQ)	BROMADIOLON	CYMOXANIL-MANCOZEB	Fenvalerate	Imidacloprid-Tebuconazole	PENCONAZOLE	Tebuconazole
2,4-D	Carbaryl	Cypermethrin	FLUAZIFOP-P-BUTYL	IMIPROTHRIN-DELTAMETHRIN	Pendimethalin	TEBUCONAZOLE-TRIFLOXYSTROBIN
Abamectin	Carbendazim	D-Allethrin	FLUBENDIAMIDE-SPIROTETRAMAT	Indoxacarb	PENDIACARB	Tetramethrin-Rich-D-T-Prallethrin-Deltamethrin
Acetamiprid	Carbendazim-Mancozeb	D-ALLETHRIN-D-PHENOTHRIN	Fludioxonil-Metalaxyl	Lambda-Cyhalothrin	PERMETHRIN	THIACLOPRID-DELTAMETHRIN
ALPHACYPERMETHRIN	Carbofuran	Deltamethrin	FLUSILAZOLE	LUFENURON	PINOXADEN-CLODINAFOP-PROP ARGYL-CLOQUINOCET-MEXYL(SAFENER)	Thiamethoxam
Aluminum Phosphide	Carbosulfan	Diafenthiuron	FLUVALINATE	Malathion	PRALLETHRIN	Thiamethoxam-FLUDIOXONIL-Difenconazole
Ametryn-Trifloxysulfuron Sodium	CHLOROFENAPYR	Diazinon	FLUXOFENIM	MANCOZEB-METALAXYL	Profenofos	Thiamethoxam-Metalaxyl-M-Difnconazole
ATRAZINE	Chlorpyrifos	DIFENCONAZOLE-AZOXYSTROBIN	Glyphosate	METALAXYL-M-MEFENOXAM-MANCOZEB	Profenofos-Cypermethrin	Thiram
Azoxystrobin-Difenoconazole	Chlorpyrifos	Dimethoate	Glyphosate Acid	METRIBUZIN	Prometryn	Triadimefon
AZOXYSTROBIN	Chlorpyrifos-Cypermethrin	DIURON	GLYPHOSATE (ACID EQUIVALENT)	N,N- Diethyl-M-Toluamide	PROPICONAZOLE	TRIFLUMUROM
Bacillus Megateriumwp	CHLORPYRIPHOS	Emamectin Benzoate	HALOXYFOP-P-METHYL	Neo Pyramine-Sumithrin	PYMETROZINE	Zinc Phosphide
Bacillus Thuringiensiswp	Chlorsulfuron	Ethephon	Hexaconazole	NEO PYRAMINE-SUMITHRIN-PIPERONY BUTOXIDE	S-Metolachlor	
Bendiocarb	CLETHODIM	FENOXAPROPO-P-ETHYL-MEFENPYR-DIETHYL(Safener)	IMAZETHAPYR	Omethoate	SULFOSULFURON	
Benomyl	Clodinafop-Propargyl	Fenpropathrin	IMIDACHLORPRID	OXYFLOURFEN	Sulphur	

The main active substances are currently insecticides, fungicides, bactericides, weedicides, nematicides, avicides and rodenticides.

Table:7 Types of pesticides used for public health and veterinary

Public health	Aluminium phosphide; Bendiocarb; Beta-cyfluthrin; D- allethrin; Deltamethrin; Diazinon; Imiprothrin-deltamethrin; Sumethrin- prallethrin
Veterinary	Cypermethrin; Malathion

2.2. The list of HHPs among the list of nationally registered pesticides

The list of HHPs has been developed based on the PAN criteria and list of Highly Hazardous Pesticides as of March 2018; the list of 87 HHPs (with different commercial names) among the list of nationally registered pesticides in Sudan by the National Registration Council as in table:8 and fig:6 below:



Table:8 The active ingredients of the HHPs registered in Sudan

2,4-D	Carbaryl	Difenconazole-Azoxystrobin	Glyphosate(Acid Equivalent)	Omethoate	Sumethrin-Prallethrin
2,4.D(Acid Equivalente)-Dicamba	Carbendazim	Dimethoate	Haloxypop-P-Methyl	Oxyflurofen	Tebuconazole
Abamectin	Carbofuran	Diuron	Hexaconazole	Penconazole	Tebuconazole-Trifloxystrobin
Acetamiprid	Chlorofenapyr	Emamectin Benzoate	Imazethapyr	Pendimethalin	Tetramethrin-Rich-D-T-Prallethrin-Deltamethrin
Aluminum Phosphide	Chloropyrifos	Ethephon	Imidachlorpid	Pendiocarb	Thiacloprid-Deltamethrin
Alphacypermethrin	Chlorsulfuron	Fenpropathrin	Imiprothrin-Deltamethrin	Permethrin	Thiamethoxam
Ametryn-Trifloxysulfuron Sodium	Chlorpyriphos	Fenthion	Indoxacarb	Pinoxaden-Clodinafop-Prop Argyl-Cloquinocet-Mexyl(Safener)	Thiram
Atrazine	Clethodim	Fenvalerate	Lambda-Cyhalothrin	Prallethrin	Triadimefon
Azoxystrobin	Clodinafop-Propargyl	Fluazifop-P-Butyle	Lufenuron	Profenofos	Triflumurom
<i>Bacillus Megateriumwp</i>	Cycloxydim	Flubendiamide-Spirotetramat	Malathion	Prometryn	Zinc Phosphide
<i>Bacillus Thuringiensiswp</i>	Cypermethrin	Fludioxonil-Metalaxyl	Mancozeb-Metalaxyl	Propiconazole	
Bendiocarb	D-Allethrin	Flusilazole	Metalaxyl-M-Mefenoxam-Mancozeb	Pymetrozine	
Benomyl	Deltamethrin	Fluvalinate	Metribuzin	S-Metolachlor	
Beta-Cyfluthrin	Diafenthion	Fluxofenim	N,N- Diethyl-M-Toluamide	Sulfosulfuron	
Bromadiolon	Diazinon	Glyphosate	Neo Pyramine-Sumithrin	Sulphur	
		Glyphosate Acid	Neo Pyramine-Sumithrin-Piperony Butoxide		

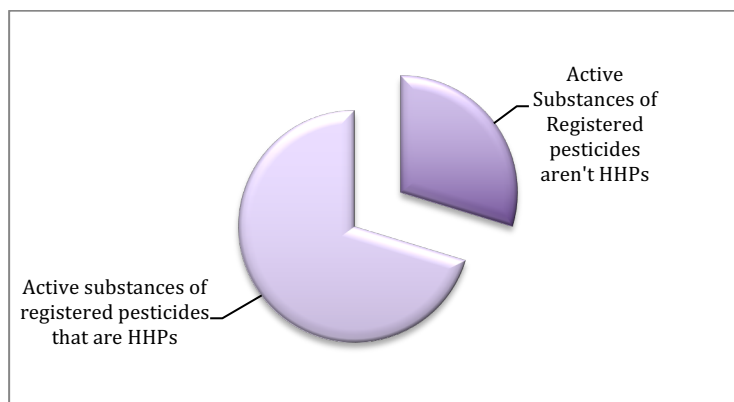


Fig.6 Percentages of HHPs among the list of registered pesticides in Sudan

2.3. Crops using HHPs

HHPs are used on a diverse array of crops in the agricultural sector in Sudan. Data analysis of the registered pesticides has revealed that HHPs are used on a quite a number of crops, mainly cotton, wheat, millet, other cereals/legumes, and vegetables. The types of pesticides used are insecticides, herbicides, fungicides, acaricides, and rodenticides. Table:9 below shows some of the HHPs, which are used to treat some of the main crops. Most of the HHPs identified in this report, are used in different types of farming. The most used pesticides as multi crops are 2-4-D, Pendimethalin, Chlorfenapyr, Carbosulfan, Glyphosate and Oxyflurofen (annex 1).



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Table9: The most common HHPs used on crops in Sudan

Herbicides/Crops		Fungicides/Crops		Insecticides/Crops					
2,4-D	Sorghum	Azoxystrobin	Vegetables	Abamectin	Vegetables	Diafenthiuron	Cotton	Omethoate	Vegetables
2,4.D(acid equivalente)-dicamba	Sorghum, wheat	Benomyl	Vegetables	Acetamiprid	Vegetables	Dimethoate	Vegetables	Permethrin	Vegetables
Ametryn+ trifloxysulfuron sodium	Sugar cane	Carbendazim	Vegetables	Aluminum phosphide	Wheat	Emamectin benzoate	Vegetables	Pinoxaden-clodinafop-propargyl-cloquinocet-mexyl(safener)	Vegetable
Clethodim	Potatoes, cotton, vegetable	Difconazole-azoxystrobin		Alphacypermethrin	Vegetables	Ethephon	Sugar Cane	Prallethrin	Vegetable
Clodinafop-propargyl	Wheat, vegetable	S-metolachlor	Vegetables	Bacillus megateriumwp	Vegetables	Fenpropathrin	Vegetable	Profenofos	Vegetables
Cycloxydim	Sesame	Sulphur	vegetables	Bacillus thuringiensiswp	Vegetables	Fenthion		Prometryn	Vegetable
Diuron	Cotton	Mancozeb-metalaxyl	Vegetables	Bendiocarb	Wheat	Fenvalerate	Vegetables	Pymetrozine	Vegetables
Fluxofenim	Sorghum	Metalaxyl-mefenoxam/mancozeb	Tomato	Beta-cyfluthrin	Vegetable	Fluazifop-p-butyle	Vegetables	Thiaclopriddeltamethrin	Vegetables
Glyphosate	Vegetable, sugar cane	Fludioxonil, metalaxyl	Potatoes	Bromadiolone	Vegetable	Flubendiamide-spirotetramat	Vegetables	Thiamethoxam	
Glyphosate acid	Sugar cane	Haloxifop-p-methyl	Vegetables	Carbaryl	Vegetables Farmers	Flusilazole	Vegetables		
Glyphosate (acid equivalent)	Sugar cane	Hexaconazole	Vegetables Farmers	Carbofuran	Vegetables Farmers	Fluvalinate	Vegetables		
Imazethapyr	Alfalfa	Tebuconazole	Cotton	Carbosulfan	Vegetables Sorghum	Imidachlorprid	Seed treatment, cotton		
Metribuzin	Local market	Tebuconazole-trifloxystrobin	Cotton	Chlorfenapyr	Vegetables	Indoxacarb	Vegetable		
Sulfosulfuron	Sunflower	Tetramethrin-Rich-d-t-prallethrin/deltamethrin	Sorghum	Chloropyrifos	Wheat, Vegetables,	Lambda-cyhalothrin	Vegetables		
Diuron	Cotton	Tebuconazole	Cotton	Chlorsulfuron	Wheat	Lufenuron	Vegetables		
Atrazine	Sorghum, sugar cane	Tebuconazole-trifloxystrobin	Cotton	Chlorpyrifos-cypermethrin	Wheat, vegetables	Malathion	Vegetable		
Oxyfluorfen	Vegetable, cotton	Thiram	Sorghum	Cypermethrin	Vegetables /Veterinary	Omethoate	Vegetables		
Pendimethalin	Vegetables, sugar cane	Triadimefon	Vegetables						
Propiconazole	Sunflower	Trifluorom	Sorghum						

2.4. General data on the volume of HHPs used in agriculture, public health and other sectors

The list of pesticides imported into Sudan shows the volumes used in different sectors, including agriculture, public health, and veterinary: 4,999,013 tons⁴ of HHPs from total imported pesticides during the year 2018, which means 27.87% of the overall imported pesticides (17,934,320 tons) in that year⁵ Annex 1.

⁴ Refer. to Annex 1 in this document

⁵ Refer. to Annex 1 in this document



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2.5. List of HHPs banned in other countries but used in the Sudan

Table 10. List of banned pesticides in other countries

Active ingredient	Countries that banned the active ingredients	Total number of countries that banned the active ingredients
2,4-D	Mozambique, Norway, Vietnam	3
Aluminum phosphide	China	1
Atrazine	EU, Mauritania, Niger, Morocco, Oman, Guinea, Guinea-Bissau, State of Palestine, Senegal, Switzerland, Togo, UK, Uruguay,	40
Bendiocarb	EU, UK, Saudi Arabia, Switzerland	30
Bifenthrin	Netherlands, Oman	2
Brodifacoum	EU (Not approved in 27countries); Papua, New Guinea; UK (not approved)	30
Bromadiolone	Benin, Saudi Arabia	2
Carbaryl	EU, UK, India, Mozambique, Bosnia & Herzegovina, India, Indonesia, Jordan, Mozambique, Nepal, State of Palestine, SA, Sri Lanka, Syrian Arab Republic, Switzerland,	41
Chlorpyrifos-methyl	South Korea	1
Chlorsulfuron	Norway, China	2
Cypermethrin	EU, UK	28
Diafenthiuron	EU, UK, Mozambique	29
Diazinon	India, EU, UK , Mozambique, Argentina, Bosnia & Herzegovina, Indonesia, State of Palestine, Srilanka, Switzerland,	36
Difenconazole+ azoxystrobin	Norway	1
Dimethoate	Saudi Arabia, Sri Lanka, Suriname, Cameroon, Indonesia,	5
Endosulfan	EU and 88 countries	115
Ethephon	Saudi Arabia	1
Fenpropathrin	EU, UK	28
Fenthion	EU, UK, India, Sri Lanka, South Korea, Brazil, Indonesia, Switzerland, Uruguay,	31
Fenvalerate	EU, UK,	28
Fipronil	EU, Togo, Senegal, UK, Uruguay, Cabo Verde, Chad, Gambia, Mauritania, Niger, Senegal, Togo, Vietnam	39
Fluazifop-p-butyle	Norway	1
Flusilazole	EU, UK	28
Haloxifop-p-methyl	Brazil	1
Hexaconazole	EU (Non approved in 27countries), Palestine (State of), UK (Non approved)	30
Malathion	Palestine (State of), Syrian Arab Republic	2
Omethoate	EU, UK, New Zealand, Switzerland, Indonesia, China, Brazil,	33
Oxydemeton-methyl	Oman, UK, EU, Saudi Arabia	30
Oxyflorfen	Mozambique	1
Pendimethalin	Norway	1
Tebuconazole	Palestine	1
Temephos	UK, EU	28
Thiram	UK, EU	28
Zinc phosphide	China, Mozambique	2

Sources: The PAN consolidated list of Highly Hazardous Pesticides as of March 2018 &EU List



2.6. Human health, environmental impacts or human rights issues related with HHPs in the country

Sudan has heavily used pesticides since the 1960s for agriculture and public health, most of which were persistent organic pollutants (POPs). These activities generated stocks of obsolete POPs pesticides (Table:11), which contaminated transportation equipment, contaminated the soil around the storage areas and areas where the transfer of the pesticides is conducted, and empty containers also became a problem. These pesticides are hazardous to all living organisms that are exposed to them. Several studies were conducted in the Sudan aimed at studying the effect of these compounds on humans, fish, birds, rats and plants (such as cotton and vegetables). DDT(DDE), heptachlor epoxide and dieldrin were detected in all locations surveyed. Their levels were quite variable between locations. The highest concentration of DDT (617.94 ppb), heptachlor epoxide (170.23 ppb), HCH (91.66 ppb), and dieldrin (82.00 ppb) were observed in blood samples collected from Medani, Hesaheisa, and Kenana, respectively⁶. The total OC burden in the traditional rain-fed area was 67.83 ppb, in sugarcane schemes 204.05 ppb, in mechanized rain-fed area 55.11 ppb, in irrigated cotton schemes 20.63 ppb, and in river rain area 55.13 ppb. The percentages of the samples tested positive were as follows: HCH 86.15%, heptachlor 100%, DDE 100%, and dieldrin 98.46%.

A comparative study was conducted in Shendi agricultural schemes to assess the effect of insecticides on farmer's health. All types of insecticides were used by the exposed group, including organochlorine, but organophosphorus and carbamates were dominant. Transport, distribution, mixing, storing and disposal of insecticides was not done, according to the measures that protect health impacts. However, the majority (71.7%) of users spray insecticides. It was found that the majority (70.8%) of the exposed are not trained in insecticide spraying, and some of them did not use any protective gear.⁷ As a result of improper handling of insecticides some problems resulted, like suppression of acetyl choline esterase in the cases and appearance of some poisoning symptoms. Other symptoms, like diarrhea, vomiting, and abdominal pain have a direct relationship with acetylcholine esterase suppression.

⁶ Elbashir (1998) cited in UNEP_POPS_NIP_SUDAN 2014

⁷

https://www.researchgate.net/publication/269988658_Hazards_of_Insecticides_on_Farmers_Health_Shendi_Agricultural_Schemes_Sudan



Table.11 Obsolete POPs pesticides, contaminated containers and contaminated soil in 2004-2005

STATE	TOTAL POPULATION IN 2004	No. OF STORES	IDENTIFIED PESTICIDE quantityS tons	ESTIMATED quantityS CONTAM. SOIL tons	ESTIMATED quantityS OF CONTAM. CONTAINERS tons	TOTAL PESTICIDES+ SOIL+ CONTAINER tons	TOTAL PER CAPITA, KG	TOTAL PER CAPITA, RURAL POPULATION
1. Northern	624,000	20	6,3	203,1	36,0	245,4	0,39	0.47
2. Nahr Aini	972,000	17	13,7	235,9	0,0	249,6	0,26	0.40
3. Red Sea	734,000	6	0,1	5,0	2,0	7,1	0,001	0.03
4. Kassala	1,625,000	15	58,2	59,0	13,2	130,4	0,08	0.13
5. Algedarf	1,674,000	5	3,3	16,0	10,0	29,3	0,02	0.03
6. Khartoum	5,553,000	9	3,2	16,8	3,5	23,5	0,004	0.03
7. Algezira	3,797,000	156	13,3	2649,0	311,8	2997,6	0,79	1.03
8. Sinnar	1,301,000	16	0,0	1942,5	2,0	1944,5	1,60	2.13
9. White Nile	1,636,000	16	4,2	396,4	0,0	400,6	0,24	0.35
10. Blue Nile ⁴	716,000	-	-	-	-	-	-	-
11. North Kordofan	1,578,000	20	0,4	1656,2	74,0	1730,6	1,10	1.66
12. West Kordofan	1,203,000	4	0,0	46,1	0,0	46,1	0,04	0.05
13. South Kordofan	1,174,000	14	1,0	629,0	1,9	631,9	0,54	0.72
14. North Darfur	1,655,000	12	130,0	730,6	18,1	2609,3	1,58	1.98
15. West Darfur	1,734,000	6	0,0	90,0	13,1	103,1	0,06	0.07
16. South Darfur	3,171,000	9	0,0	153,0	24,2	177,2	0,06	0.07
NORTHERN STATES	29,147,000	325	233,7	8828,6	509,8	9572,1	0,32	0.54
17. Upper Nile	1,506,000	5	0,0	5,0	0,0	5,0	0,003	0.005
18. Bahr El-Ghazal	2,550,000	3	0,0	2,0	2,0	4,0	0,002	0.002
19. Equatoria	1,310,000	8	0,0	15,0	16,0	31,0	0,02	0.03
SOUTHERN STATES⁴	5,366,000	16	0,0	22,00	18,0	40,0	0,007	0.01
SUDAN	34,513,000	341	233,7	8850,6	527,8	9612,1	0,28	0.44

Sources: UNEP-POPS-NIP-SUDAN,2006.⁸

Farmers in Sudan Want To Stop Rise in Cancer from Pesticides

The Farmers' Association of El Gezira and El Managel wants to stop the increase in cancer cases among farmers suspected to be caused by the use of certain pesticides and the way the chemicals are stored and transported. The farmers urgently request the authorities to review the licenses, registration and importing of pesticides. The farmers have demanded medical examination for all the workers in the field working with pesticides. The association also urges the authorities concerned to provide regular training for health workers to examine potential dangers.

El Nima El Naa'im Awad El Alim [IS THIS ONE PERSON?] of the secretariat of the Farmers Association suggests developing improved methods of storing and transportation of pesticides. "We need to get rid of the surplus of unused pesticides, and we need to establish safe storages of these chemicals far from water resources and the residences of citizens," he said. In 2014, the director of the Pesticide and Toxicology Administration at the University of El Gezira said that hundreds of thousands of tons of pesticides have disappeared from El Gezira state.

The dean of the National Cancer Institute in Wad Medani also researched the rise in number of cancer patients who visited the institute. Dafallah Abu Idris stated to Radio Dabanga that the hospital receives "70 patients a day, which include 12 cancer cases." The National Pesticides Council (NPC) is responsible for the management of pesticides in Sudan.

Source: Dabanga Newsletter, June 20 - 2015 WAD MADAN



2.7. The precautionary principle and provisions to phase out HHPs, ban pesticides and deregister the already registered pesticide

The national implementation plan was put into place in 2006 under the Stockholm Convention for management and phase-out of Persistent Organic Pollutants (POPs) and management of POPs-contaminated sites in an environmentally sound manner. This plan facilitated the dialogue, information exchange and cooperation between relevant stakeholders – including the governmental, nongovernmental, academic and private sectors. NIP was ensuring that POPs were well taken into account in strategy formulations for different economic and technical sectors.

2.8. Companies/associations representing the pesticide industry in the country

Fifty-nine companies and one association make up the pesticide industry in Sudan (Table:12). Some of them are agents of main pesticides producers, including companies such as Syngenta, Bayer, BASEF, and Somotom. Before the sanction, other big companies used to work in Sudan, such as Monsanto, Dow, Dupont, and various Indian and Chinese companies.

Table:12 Companies/associations representing the pesticide industry in the Sudan

Serial No	Company name	Serial No	Company name
1	Nour Agro-science	30	Jewel
2	Abdulgadir hussein	31	Mahgoub Sons
3	Agribusiness	32	Nile Sun
4	Agrimatco	34	Nour Agro
5	Agro Nector	35	Nutricrop
6	Agroimatco	36	Oranos
7	Agways	37	Oxygen
8	Alam eldin	38	Phoenix Chemical
9	Albiarig	39	Prochem Co
10	Aleenah	40	Prochem import
11	Alhindi	41	Riham international
12	Alkalthoum	42	Rover trading
13	Almaz	43	Sabico
14	Alnuha agri.	44	Sams multi
15	Alramboy	45	Seed stores
16	Elbadoub	46	Seed stores
17	Eldoma	47	Segaf
18	Elhaifa	48	Sennay
19	Elshahba	59	Sgaf integrated
20	Farmer	50	Starchemical
21	Fastchem	51	Sudabu trading
22	Future	52	Sudachem
23	Gafiel Vet	53	Sudanese Canidian
24	Green Arcade(s)	54	Sudbu
25	Green Arcade(s)PPD	55	Taksonia
26	Green Gezira	56	Transnile
27	Hafazia	57	Uni Nile
28	Hadir international	58	Wadbagoi
29	Hifa for Agric	59	Zamzam modern

Source: Sudanese Agrochemical Association



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3. National endeavours for phasing out HHPs

3.1. Projects/programs and campaigns to phase out HHPs

With the objective of phasing out and/or reducing the use of HHPs, various efforts have been made by different civil society organizations. There are a number of best practices and experiences on using Integrated pest management (IPM), leveraging alternative non-chemical compounds (on small scale), undertaking organic agriculture, and implementing ecologically sound production techniques, and developing the Sudan NIP 2014.

Organic agriculture started in Sudan when some European companies (from Holland and England) suggested to the Ministry of Agriculture the organic production of particular crops, like sesame and sunflower, in small areas to meet the demand of European market. The Sudan proposed projects based on 10 principles, according to international federation of Agriculture movement (IFOAM) principles, and in order to maintain full cooperation between the producers of Africa and the consumers of the western world.

Three sectors had been selected, which were:

- 1) The traditional rain-fed sector, mainly sandy soils in central and western Sudan. The main products are sesame, groundnut, sorghum, hibiscus “millet,” senna pods, watermelon seeds, guar and gum Arabic.
- 2) The rain-fed, mechanized sector, clay plains in central, eastern and southern Sudan. The main products are sesame, sunflower, cotton, sorghum, guar, natural gums, medicinal and aromatic plants and non-wood forest products.
- 3) The irrigated sector, along rivers and near watercourses and underground aquifers. These are small-scale private holdings or large-scale private- or public-owned. The main products are fruits, vegetables, sorghum, sunflower, sesame, groundnuts, cotton, wheat, guar, etc. The certification of Sudanese products as organic started at the beginning of this millennium and already been done for some products, e.g. sesame, hibiscus sabdarbifa and gum Arabic. Sudan is certifying 5,500 metric tons of both types of *Acacia Senegal* (Hashab) and *A. seyal* (Talha) as 100% organic, according to European laws and American Standard for organic agriculture⁹.

3.2. Main challenges in the process of campaigning for the phasing out of HHPs

The main challenges in these campaigns are the absence of a monitoring framework, weak implementation of the laws and regulation, poor agriculture extensions, and the lack of good coordination mechanisms. All stockpiles are piled together, hence contamination of the total estimated quantity is inevitable; and there is no facility for local disposal, and hence international efforts are needed.

⁹ Mohamed M. Sudan experience in biosafety.

https://www.unescwa.org/sites/www.unescwa.org/files/events/files/session_3_-_6_sudan_-_ahmed.pdf



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3.3. Recommendations and project ideas that support the national HHPs phase out

SECS are proposing the following recommendations in order to manage the issue of hazardous pesticides

- Organize a workshop with all main stakeholders to discuss ways and means of how to address the issue.
- Enhance the focal point of the Stockholm and Rotterdam conventions to benefit from funds provided by, e.g., GEF.
- Encourage the Sudan agriculture research corporation to look for safe alternatives.
- SECS is to produce leaflets and brochures for awareness raising .
- Develop partnership between authorized government institutions) and other related institutions, such as NGOs, working in chemical management and the association of agriculture.
- Request that SAGA look in coordination with their principles for potential alternatives.
- The national pesticide council should stop issuing a license to import the banned pesticides and to enforce the law.



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Annex (1) list of Sudan Imported Pesticides for the Years 2018-2019

1.		Trade name	Common name	Form.	Categ.	Quantity	Unit	Beneficiary
2.	Pendinour 50% EC	Pendimethalin	EC	Herbicide	11520	Lit	Local Market	Jan.2018
3.	Tricel 48% EC	Chlorpyrifos	EC	Insecticide	6240	Lit	New Halfa Agri	Jan.2018
4.	Hitcel 440 EC	Profenofos + cypermethrin	EC	Insecticide	10000	Lit	Local Market	Jan.2018
5.	Deviphos 56%	Aluminum phosphide	Tablets	Insecticide	1000	Kg	Droat & Public H. Services	Jan.2018
6.	Afares 0.25% DP	Cypermethrin	DP	Insecticide	16000	Kg	Local Market	Jan.2018
7.	SULfex gold 80% WDG	Sulfur	WDG	Fungicide	10000	Kg	Vegetable Farmers	Jan.2018
8.	Duet 72 WP	Metalaxyl + mancozeb	WP	Fungicide	13940	Kg	Local Market	Jan.2018
9.	Duet 72 WP	Metalaxyl + mancozeb	WP	Fungicide	13940	Kg	Local Market	Jan.2018
10.	Contaf 10% EC	Hexaconazole	EC	Fungicide	5000	Lit	Vegetable Farmers	Jan.2018
11.	Carbodan 10% G	Carbofuran	Granule	Insecticide	20000	Kg	Private Market	Jan.2018
12.	Gladitor 36% SL	Glyphosate	SL	Herbicide	15840	Lit	Local Market	Jan.2018
13.	Gladitor 36% SL	Glyphosate	SL	Herbicide	5000	Lit	Local Market	Jan.2018
14.	Celphos 56%	Aluminum phosphide	Tablets	Insecticide	2000	Kg	Awafi Agri Services	Jan.2018
15.	Celphos 56%	Aluminum phosphide	Tablets	Insecticide	4987.84	Kg	Nour Agro.Co	Jan.2018
16.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	7500	Lit	Vegetable Farmers	Jan.2018
17.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	11500	Lit	Vegetable Farmers	Jan.2018
18.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	11000	Lit	Vegetable Farmers	Jan.2018
19.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	10000	Lit	Vegetable Farmers	Jan.2018
20.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	7500	Lit	Vegetable Farmers	Jan.2018
21.	Duet 72 WP	Metalaxyl + mancozeb	WP	Fungicide	13940	Kg	Local Market	Jan.2018
22.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	11000	Lit	Vegetable Farmers	Jan.2018
23.	Sinomat 80SL	Omethoate	SL	Insecticide	10000	Lit	Vegetable Farmers	Jan.2018
24.	Ficam W	Bendiocarb	WP	Insecticide	87.5	Kg	Future For Federal Minisrty Health	Jan.2018
25.	Jugal 20% SL	Imidacloprid	SL	Insecticide	1500	Lit	Vegetable Farmers	Jan.2018
26.	Touchdown system	Glyphosate	SL	Herbicide	25200	Lit	Local Market	Jan.2018
27.	FULLdazim 50 WP	Carbedazim	WP	Fungicide	19578.24	Kg	Local Market	Jan.2018
28.	Jugal 20% SL	Imidacloprid	SL	Insecticide	1500	Lit	Vegetable Farmers	Jan.2018
29.	Glycel 41% SL	Glyphosate	SL	Herbicide	12600	Lit	Local Market	Jan.2018
30.	Glycel 41% SL	Glyphosate	SL	Herbicide	12600	Lit	Local Market	Jan.2018
31.	Zork 25% EC	Carbosulfan	EC	Insecticide	15150	Lit	Local Market	Jan.2018
32.	Radical 0.5% EC	Emamectin benzoate	EC	Insecticide	15150	Lit	Local Market	Jan.2018
33.	Tantrix 5% EC	Lambda- cyhalothrin	EC	Insecticide	16160	Lit	Vegetable Farmers	Jan.2018
34.	Icaros 1.8% EC	Abamectin	EC	Insecticide	8084	Lit	Local Market	Jan.2018
35.	Cypervert 10% EC	Cypermethrin	EC	Insecticide	7000	Lit	Local Market	Feb.2018



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36.	Cythion 50% EC	Malathion	EC	Insecticide	36000	Lit	Vegetable Farmers	Feb.2018
37.	Jiamyl 50% WP	Benomyl	WP	Fungicide	5000	Kg	Vegetable Farmers	Feb.2018
38.	Limifon 25 WP	Triadimefon	WP	Fungicide	5000	Kg	Private Market	Feb.2018
39.	Delta 2.5% EC	Deltamethrin	EC	Insecticide	4000	Lit	Local Market	Feb.2018
40.	Tricel 48% EC	Chlorpyrifos	EC	Insecticide	9500	Lit	Local Market	Feb.2018
41.	Doger amine 600 SL	2.4-D	SL	Herbicide	4800	Lit	Local Market	Feb.2018
42.	MentamECyin 1.8 EC	Abamectin	EC	Insecticide	5600	Lit	Local Market	Feb.2018
43.	Amassis 25% EC	Beta-cyfluthrin	EC	Insecticide	3600	Lit	Local Market	Feb.2018
44.	Agrocyper 25% EC	Cypermethrin	EC	Insecticide	13254	Lit	Local Market	Feb.2018
45.	Carbochem 25% EC	Carbosulfan	EC	Insecticide	8954	Lit	Local Market	Feb.2018
46.	Cypercid 25% EC	Cypermethrin	EC	Insecticide	5000	Lit	Vegetable Farmers	Feb.2018
47.	Cypercid 25% EC	Cypermethrin	EC	Insecticide	10000	Lit	Vegetable Farmers	Feb.2018
48.	Cypercid 25% EC	Cypermethrin	EC	Insecticide	5000	Lit	Vegetable Farmers	Feb.2018
49.	Chlorcid 48 EC	Chlorpyrifos	EC	Insecticide	16000	Lit	Wheat Farmers	Feb.2018
50.	Chlorcid 48 EC	Chlorpyrifos	EC	Insecticide	5000	Lit	Wheat Farmers	Feb.2018
51.	Clinic 360 SL	Glyphosate	SL	Herbicide	84000	Lit	Local Market	Feb.2018
52.	Clinic 360 SL	Glyphosate	SL	Herbicide	52500	Lit	Local Market	Feb.2018
53.	Cypercid 25% EC	Cypermethrin	EC	Insecticide	20000	Lit	Vegetable Farmers	Feb.2018
54.	Clinic 360 SL	Glyphosate	SL	Herbicide	38850	Lit	Local Market	Feb.2018
55.	Dicopur D 720 SL	2.4-D	SL	Herbicide	100000	Lit	Sorghum Farmers	Feb.2018
56.	Clinic 360 SL	Glyphosate	SL	Herbicide	5000	Lit	Local Market	Feb.2018
57.	Hitcel 440 EC	Profenofos + cypermethrin	EC	Insecticide	10500	Lit	Local Market	Feb.2018
58.	Doger amine 600 SL	2.4-D	SL	Herbicide	4800	Lit	Local Market	Feb.2018
59.	Roven 85% WP	Carbaryl	WP	Insecticide	21000	Kg	Local Market	Feb.2018
60.	Roxyfen 240 EC	Oxyflufen	EC	Herbicide	11000	Lit	Local Market	Feb.2018
61.	Rovato 20% EC	Fenprothrin	EC	Insecticide	4000	Lit	Local Market	Feb.2018
62.	Omega 25% WDG	Thiamethoxam	WDG	Insecticide	3000	Lit	Local Market	Feb.2018
63.	Gesagard 500 FW	Prometryn	FW	Herbicide	12000	Lit	Sunflower/ Rain-Fed	Feb.2018
64.	Samcotin 1.8% EC	Abamectin	EC	Insecticide	4356	Lit	Local Market	Feb.2018
65.	Miracle 10% EC	Penconazol	EC	Fungicide	1056	Lit	Local Market	Feb.2018
66.	Agral 90SL		SL	Surfactant	5760	Lit	Local Market	Feb.2018
67.	Agral 90SL		SL	Surfactant	2200	Lit	Whit Nile Sugar Co	Feb.2018
68.	Cythion 50% EC	Malathion	EC	Insecticide	24000	Lit	Vegetable Farmers	Feb.2018
69.	Focus Ultra	Cycloxydim	EC	Herbicide	18000	Lit	Sesame Farmers	Feb.2018
70.	Focus Ultra	Cycloxydim	EC	Herbicide	12000	Lit	Sesame Farmers	Feb.2018
71.	VertimEC 018 EC	Abamectin	EC	Insecticide	2160	Lit	Local Market	Mar.2018
72.	Kiltox flying& crawling insect killer		Aerosol	Insecticide	144000	Cans	Local Market	Mar.2018
73.	BiotECT 9.4% WP	Bacillus thuringiensiswp	WP	Insecticide	500	Kg	Vegetable Farmers	Mar.2018
74.	Bio arc 6% WP	Bacillus megateriumwp	WP	Insecticide	500	Kg	Vegetable Farmers	Mar.2018
75.	Pilarben 50% WP	Benomyl	WP	Fungicide	4000	Kg	Local Market	Mar.2018



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76.	Pilargola 20% EC	Oxyflurofen	EC	Herbicide	15000	Lit	Local Market	Mar.2018
77.	Denim fit 50 WG	Emamectin benzoate	WG	Insecticide	1008	Kg	Vegetable Farmers	Mar.2018
78.	Hitcel 440 EC	Profenofos + cypermethrin		Insecticide	9500	Lit	Local Market	Mar.2018
79.	Tricel 48% EC	Chlorpyrifos	EC	Insecticide	9500	Lit	Local Market	Mar.2018
80.	Tricel 48% EC	Chlorpyrifos	EC	Insecticide	11200	Lit	Local Market	Mar.2018
81.	Pilarpower 330 EC	Pendimethalin	EC	Herbicide	15000	Lit	Local Market	Mar.2018
82.	Sinomat 80SL	Omethoate	SL	Insecticide	10000	Lit	Vegetable Farmers	Mar.2018
83.	Diaflex 80% WG	Sulfur	WG	Fungicide	3150	Kg	Local Market	Mar.2018
84.	Dante-25% EC	Cypermethrin	EC	Insecticide	4598	Lit	Local Market	Mar.2018
85.	Sinocron 40% EC	Profenofos	EC	Insecticide	10000	Lit	Small Farmers	Mar.2018
86.	Saylton 25 WP	Triadimefon	WP	Fungicide	5000	Kg	Vegetable Farmers	Mar.2018
87.	Sino, 4-D 72 SL	2,4-D	SL	Herbicide	300000	Lit	Sorghum Farmers	Mar.2018
88.	Alwafer 25 EC	Carbosulfan	EC	Insecticide	5000	Lit	Vegetable Farmers	Mar.2018
89.	Kiltax flying& crawling insect killer		Aerosol	Insecticide	163200	Cans	Local Market	Mar.2018
90.	New pyrosol	Neo pyramine,sumithrin	Aerosol	Insecticide	172800	Cans	Local Market	Mar.2018
91.	Soffel	N,n- diethyl-m-toluamide		Insecticide	5355	Carton	Local Market	Mar.2018
92.	Dafaya-72	2,4-D	SL	Herbicide	17500	Lit	Local Market	Mar.2018
93.	Dafaya-72	2,4-D	SL	Herbicide	16000	Lit	Local Market	Mar.2018
94.	Dafaya-72	2,4-D	SL	Herbicide	16000	Lit	Local Market	Mar.2018
95.	Prothrin 220 UL	Profenofos/cypermethrinul		Insecticide	15000	Lit	Servcot	Mar.2018
96.	Safosrin 55% EC	Chlorpyrifos/cypermethrin		Insecticide	16000	Lit	Vegetable Farmers	Mar.2018
97.	Imidor 200 SL	Imidacloprid	SL	Insecticide	5439	Lit	Local Market	Mar.2018
98.	VaULent 150 SC	Indoxacarb	SC	Insecticide	2331	Lit	Local Market	Mar.2018
99.	Devithiram 25% DP	Thiram	DP	Fungicide	900	Kg	Local Market	Mar.2018
100.	Devimalt 57% EC	Malathion	EC	Insecticide	15000	Lit	Local Market	Mar.2018
101.	Devimalt 57% EC	Malathion	EC	Insecticide	3000	Lit	Local Market	Mar.2018
102.	Confidor 200 SL	Imidacloprid	SL	Insecticide	10000	Lit	Ppd	Mar.2018
103.	Phostoxin	Aluminum phosphide	Tablets	Insecticide	10010	Kg	Ppd	Mar.2018
104.	Fenthionina	Fenthion	UL	Insecticide	20000	Lit	Ppd	Mar.2018
105.	Lavenda	N,n- diethyl-m-toluamide		Insecticide	2040	Carton	Local Market	Mar.2018
106.	Gizmo super	Imidacloprid/tebuconazole	FS	Seed treatment	1500	Lit	Sorghum & Wheat Farmers	Mar.2018
107.	Cyrux 10% EC	Cypermethrin	EC	Insecticide	4000	Lit	Local Market	Mar.2018
108.	Fluent 12.5% EC	Fluazifop-p-butyle	EC	Herbicide	27000	Lit	Local Market	Mar.2018
109.	Focus Ultra	Cycloxydim	EC	Herbicide	400	Lit	Sesame Farmers	Mar.2018
110.	King 5% EC	Lambda- cyhalothrinEC		Insecticide	2200	Lit	Local Market	Mar.2018
111.	Saaf 75% WP	Carbendazim/mancozeb	WP	Fungicide	12000	Kg	Local Market	Mar.2018
112.	Fenkill 20% EC	Fenvalerate	EC	Insecticide	17000	Lit	Vegetable Farmers	Mar.2018
113.	Thion 600 UL	Fenthion	UL	Insecticide	30000	Lit	Ppd	Mar.2018
114.	Diazy 60 EC	Diazinon	EC	Insecticide	10000	Lit	Ppd	Mar.2018
115.	Kayazinon 60% EC	Diazinon	EC	Insecticide	20000	Lit	Ppd	Mar.2018
116.	Sweep 36% SL	Glyphosate	SL	Herbicide	38000	Lit	Local Market	Mar.2018



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117.	Fenkil 20% EC	Fenvalerate	EC	Insecticide	11000	Lit	Vegetable Farmers	Mar.2018
118.	Cyrux 10% EC	Cypermethrin	EC	Insecticide	8000	Lit	Local Market	Mar.2018
119.	Fenbest 6UL	Fenthion	UL	Insecticide	30000	Lit	Ppd	Mar.2018
120.	Sonround 48 SL	Glyphosate	SL	Herbicide	20000	Lit		Mar.2018
121.	Commando	Zinc phosphide	P	Rodenticide60 000	60000	Kg	Ppd	Mar.2018
122.	Shar-super 75% WDG	Chlorsulfuron	WDG	Herbicide	900	Kg	Sorgum Farmers	Mar.2018
123.	Sharoxy 24% EC	Oxyflurofen	EC	Herbicide	18000	Lit	Vegetable Farmers	Mar.2018
124.	Sharoxy 24% EC	Oxyflurofen	EC	Herbicide	28000	Lit	Vegetable Farmers	Mar.2018
125.	Sharoxy 24% EC	Oxyflurofen	EC	Herbicide	12000	Lit	Vegetable Farmers	Mar.2018
126.	Jugal 20% SL	Imidacloprid	SL	Insecticide	2500	Lit	Vegetable Farmers	Mar.2018
127.	Jugal 20% SL	Imidacloprid	SL	Insecticide	2000	Lit	Vegetable Farmers	Mar.2018
128.	Cyrux 10% EC	Cypermethrin	EC	Insecticide	4000	Lit	Local Market	Mar.2018
129.	Agral 90SL		SL	Surfactant	2600	Lit	Sudanese Sugar Co.	Mar.2018
130.	Saaf 75% WP	Carbendazim/mancozeb	WP	Fungicide	14000	Kg	Local Market	Mar.2018
131.	SULmathion 57% EC	Malathion	EC	Insecticide	20000	Lit	Ppd	Mar.2018
132.	Kayazinon 80% UL	Diazinon	EC	Insecticide	10000	Lit	Ppd	Mar.2018
133.	Sinofidor 20 SL	Imidacloprid	SL	Insecticide	10000	Lit	Ppd	Mar.2018
134.	Vap-malathion 96% UL	Malathion	UL	Insecticide	20000	Lit	Ppd	Mar.2018
135.	Celphos 56%	Aluminum phosphide	Tablets	Insecticide	10000	Kg	Ppd	Mar.2018
136.	Amid 330 EC	Pendimethalin	EC	Herbicide	8400	Lit	Local Market	Mar.2018
137.	Devithiram 25% DP	Thiram	DP	Fungicide	6600	Kg	Local Market	Apr.2018
138.	Dafaya-72	2,4-D	SL	Herbicide	7500	Lit	Sorghum Farmers	Apr.2018
139.	Raxil 120 FS	Tebuconazole	FS	Fungicide	400	Lit	Cotton Farmers	Apr.2018
140.	Goldate 24 EC	Oxyflurofen	EC	Herbicide	2364	Lit	Local Market	Apr.2018
141.	Polo 500 SC	Diafenthiuron	SC	Insecticide	10200	Lit	African Plantation	Apr.2018
142.	Curacron 500 EC	Profenofos	EC	Insecticide	10200	Lit	African Plantation	Apr.2018
143.	Chlorban 50 EC	Chloropyrifos	EC	Insecticide	4900	Lit	Local Market	Apr.2018
144.	Polo 500 SC	Diafenthiuron	SC	Insecticide	24600	Lit	African Plantation	Apr.2018
145.	Curacron 500 EC	Profenofos	EC	Insecticide	24600	Lit	African Plantation	Apr.2018
146.	Thiara	Thiamethoxam	WDG	Insecticide	500	Kg	Local Market	Apr.2018
147.	Maxim XL 035 FS	Fludioxonil,metalaxyl	FS	Fungicide	1080	Lit	African Plantation	Apr.2018
148.	Robgor	Dimethoate	EC	Insecticide	12000	Lit	Local Market	Apr.2018
149.	Fusilade forte 150 EC	Fluazifop-p-butyle	EC	Herbicide	5280	Lit	Local Market	Apr.2018
150.	Topazol 100 EC	Penconazol	EC	Fungicide	222	Lit	Local Market	Apr.2018
151.	Oxyfen 24% EC	Oxyflurofen	EC		8400	Lit	Local Market	Apr.2018
152.	Antilope 10 EC	Clodinafop-propargyl	EC	Herbicide	5950	Lit	Local Market	Apr.2018
153.	Impala 20 SL	Acetamiprid	SL	Insecticide	480	Lit	Local Market	Apr.2018
154.	Diazain 60% EC	Diazinon	EC	Insecticide	1500	Lit	Local Market	Apr.2018
155.	Herphosate 36% SL	Glyphosate	SL	Herbicide	5000	Lit	Local Market	Apr.2018
156.	Betatol 20% EC	Fenpropathrin	EC	Insecticide	2500	Lit	Local Market	Apr.2018
157.	Pestban 48% EC	Chloropyrifos	EC	Insecticide	2500	Lit	Local Market	Apr.2018



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158.	Acetal 20% SL	Acetamiprid	SL	Insecticide	7100	Lit	Local Market	Apr.2018
159.	Cythrino 25%	Cypermethrin	EC	Insecticide	35000	Lit	Local Market	Apr.2018
160.	Brlcyp-vet	Cypermethrin	EC	Insecticide	45000	Lit	Local Market	Apr.2018
161.	AgromECTin 1.8% EC	Abamectin	EC	Insecticide	7000	Lit	Vegetable Farmers	Apr.2018
162.	Permanet 2.0	Deltamethrin	Net	Insecticide	1728400	Pcs	Federal Min. Of Health	Apr.2018
163.	Touchdown system	Glyphosate	SL	Herbicide	20160	Lit	Local Market	Apr.2018
164.	Phomac 36% SL	Glyphosate	SL	Herbicide	26000	Lit	Sudanese Sugar Co.	Apr.2018
165.	Raid mosquito killer 37 night	Prallethrin	Aerosol	Insecticide	2520	Cans	Local Market	Apr.2018
166.	Baygon crawling insect killer	Imiprothrin/deltamethrin	Aerosol	Insecticide	3420	Cans	Local Market	Apr.2018
167.	Raid flying insect killer	Sumethrin/prallethrin	Aerosol	Insecticide	4760	Cans	Local Market	Apr.2018
168.	Raid roach crawling insect killer	Imiprothrin/deltamethrin	Aerosol	Insecticide	3960	Cans	Local Market	Apr.2018
169.	Raid mats mosquito repellent	D- allethrin	Aerosol	Insecticide	16800	Mats	Local Market	Apr.2018
170.	Pendico 50 EC	Pendimethalin	EC	Herbicide	27360	Lit	Private Market/ All Sudan	Apr.2018
171.	Manara 25 WG	Thiamethoxam	WG	Insecticide	57.96	Kg	Local Market	Apr.2018
172.	Pergon 25 EC	Permethrin	EC	Insecticide	400	Lit	Public Health Control	Apr.2018
173.	Pendico 50 EC	Pendimethalin	EC	Herbicide	42004	Lit	Private Market/All Sudan	Apr.2018
174.	Chlormight super 48% EC	Chlorpyrifos	EC	Insecticide	10800	Lit	Local Market/Different Location	Apr.2018
175.	Kung fu 5% EC	Lambda- cyhalothrinEC	EC	Insecticide	2160	Lit	Local Market	Apr.2018
176.	Hitcel 44% EC	PROFENOFOS/cypermethrin	EC	Insecticide	20000	Lit	Plant Protection Directorate	Apr.2018
177.	Alfares 0.25 % DP	Cypermethrin	DP	Insecticide	40000	Kg	Plant Protection Directorate	Apr.2018
178.	Alsacker new 0.005% r.b	Bromadiolol	RB	Insecticide	30000	Kg	Plant Protection Directorate	Apr.2018
179.	Nour , 4-d 720 SL	2.4-D	SL	Herbicide	10000	Lit	Plant Protection Directorate	Apr.2018
180.	Ficam W	Bendiocarb	WP	Insecticide	12.5	Kg	Federal Min. Of Health	Apr.2018
181.	Phoenix 5% EC	Lambda- cyhalothrinEC	EC	Insecticide	3008	Lit	Local Market	Apr.2018
182.	Hadaf 24% EC	Oxyflufen	EC	Herbicide	15004	Lit	Local Market	Apr.2018
183.	Emavap 2% EC	Emamectin benzoate	EC	Insecticide	5004	Lit	Local Market	Apr.2018
184.	Brodor 20% SL	Imidachlorprid	SL	Insecticide	10000	Lit	Plant Protection Directorate	Apr.2018
185.	Amassiss 25 EC	Beta-cyfluthrin	EC	Insecticide	7200	Lit	Local Market	Apr.2018
186.	Bright 25% EC	Carbosulfan	EC	Insecticide	12008	Lit	Local Market	Apr.2018
187.	Glycel 41% SL	Glyphosate	SL	Herbicide	12600	Lit	Local Market	Apr.2018
188.	Cypothrin 25% EC	Cypermethrin	EC	Insecticide	8000	Lit	Local Market	Apr.2018
189.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	11500	Lit	Vegetable Farmers	Apr.2018



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190.	Devicyper 10% EC	Cypermethrin	EC	Insecticide	15000	Lit	Local Market/Different Location	Apr.2018
191.	Devicyper 10% EC	Cypermethrin	EC	Insecticide	20000	Lit	Local Market/Different Location	Apr.2018
192.	Imidor 200 SL	Imidachlorpid	SL	Insecticide	10000	Lit	Plant Protection Directorate	Apr.2018
193.	Morsiban 48% EC	Chloropyrifos	EC	Insecticide	3000	Lit	Local Market/Different Location	Apr.2018
194.	Morsiban 48% EC	Chloropyrifos	EC	Insecticide	7000	Lit	Local Market/Different Location	Apr.2018
195.	Morsiban 48% EC	Chloropyrifos	EC	Insecticide	10000	Lit	Local Market/Different Location	Apr.2018
196.	Gladitor 36% SL	Glyphosate	SL	Herbicide	20000	Lit	Local Market/Different Location	Apr.2018
197.	Devimalt 57% EC	Malathion	EC	Insecticide	7000	Lit	Local Market	Apr.2018
198.	Dafaya-72	2,4-D	SL	Herbicide	16000	Lit	Local Market/Sorghum Farmers	Apr.2018
199.	Dafaya-72	2,4-D	SL	Herbicide	16000	Lit	Local Market/Sorghum Farmers	Apr.2018
200.	Dafaya-72	2,4-D	SL	Herbicide	17500	Lit	Local Market/Sorghum Farmers	Apr.2018
201.	Devithiram 25% DP	Thiram	DP	Fungicide	13400	Kg	Local Market	Apr.2018
202.	Devithiram 25% DP	Thiram	DP	Fungicide	45200	Kg	Local Market	Apr.2018
203.	Devithiram 25% DP	Thiram	DP	Fungicide	3900	Kg	Local Market	Apr.2018
204.	Vanish 600 ULV	Fenthion	ULV	Insecticide	20000	Lit	Ppd	Apr.2018
205.	Zynon 800 ULV	Diazinon	ULV	Insecticide	10000	Lit	Ppd	Apr.2018
206.	Dafaya-72	2,4-D	SL	Herbicide	16000	Lit	Local Market	Apr.2018
207.	Dafaya-72	2,4-D	SL	Herbicide	16000	Lit	Local Market	Apr.2018
208.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	11000	Lit	Vegetable Farmers/DIFFERENT STATE	Apr.2018
209.	Cruiser 350 FS	Thiamethoxam	FS	Seed treatment	1440	Lit	Local Market/Vegetable Farmers	Apr.2018
210.	Cruiser 350 FS	Thiamethoxam	FS	Seed treatment	1440	Lit	Local Market/Vegetable Farmers	Apr.2018
211.	Agrozinon 60% EC	Diazinon	EC	Insecticide	10000	Lit	Ppd	Apr.2018
212.	Birdy 600UL	Fenthion	ULV	Insecticide	40000	Lit	Ppd	Apr.2018
213.	Mavrik 050 UL	Fluvalinate	UL	Insecticide	20000	Lit	Ppd	Apr.2018
214.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	7500	Lit	Vegetable Farmers/DIFFERENT STATE	Apr.2018
215.	SULfex gold 80% WDG	Sulfur	WDG	Fungicide	11000	Kg	Vegetable Farmers/Local Market	Apr.2018
216.	Best amin 600 SL	2,4-D	SL	Herbicide	8000	Lit	Local Market	Apr.2018
217.	Devithiram 25% DP	Thiram	DP	Fungicide	7136	Kg	Local Market	Apr.2018
218.	Resumme WS 70	Imidacloprid	WS	Insecticide	1000	Kg	Local Market	Apr.2018
219.	Gondolier 240 EC	Oxyflufen	EC	Herbicide	3976	Lit	Local Market	Apr.2018



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220.	Sonround 48 SL	Glyphosate	SL	Herbicide	20120	Lit	Local Market	Apr.2018
221.	CECkuthoate 40 EC	Dimethoate	EC	Insecticide	15000	Lit	Vegetable Farmers/Local Market	Apr.2018
222.	CECkuthoate 40 EC	Dimethoate	EC	Insecticide	7000	Lit	Vegetable Farmers/Local Market	Apr.2018
223.	CECkuthoate 40 EC	Dimethoate	EC	Insecticide	12000	Lit	Vegetable Farmers/Local Market	Apr.2018
224.	Evito plus 50% EC	Pendimethalin	EC	Herbicide	25000	Lit	Local Market	Apr.2018
225.	Cythrino Pro 25%	Cypermethrin	EC	Insecticide	30000	Lit	Vegetable Farmers/Local Market	Apr.2018
226.	Brodor 20% SL	Imidacloprid	SL	Insecticide	7100	Lit	Local Market	Apr.2018
227.	Shendi -top 32.5% EC	Azoxystrobin/difenoconazole	EC	Insecticide	3000	Lit	Vegetable Farmers/Local Market	Apr.2018
228.	Chess 50 WG	Pymetrozine	WG	Insecticide	235.3	Kg	Vegetable Farmers/DIFFERENT STATE	Apr.2018
229.	Habib 60% SL	2,4-D	SL	Herbicide	10000	Lit	Ppd	Apr.2018
230.	Cyprofen 220 ULV	Profenofos/ cypermethrin	ULV	Insecticide	20000	Lit	Ppd	Apr.2018
231.	Safosrin 55% EC	Chloropyrifos/CYPERMETHRIN	EC	Insecticide	16000	Lit	Local Market	Apr.2018
232.	Chess 50 WG	Pymetrozine	WG	Insecticide	235.3	Kg	Vegetable Farmers/DIFFERENT STATE	Apr.2018
233.	Proclaim 05 sg	Emamectin benzoate	SG	Insecticide	1578.6	Kg	Vegetable Farmers/DIFFERENT STATE	Apr.2018
234.	Amistar top 325 SC	Difenoconazole/ azoxystrobin	SC	Fungicide	3600	Lit	Local Market	Apr.2018
235.	Shiram 25% DP	Thiram	DP	Fungicide	13000	Kg	Local Market	Apr.2018
236.	Alpharino 10 SC	Alphacypermethrin	SC	Insecticide	1400	Lit	Local Market	Apr.2018
237.	Raid odorless flying insect killer	Sumethrin/prallethrin	Aerosol	Insecticide	10080	Cans	Local Market/ Public Health	Apr.2018
238.	Touchdown System 4	Glyphosate	SL	Herbicide	73800	Lit	Local Market/ Different States	Apr.2018
239.	Apron star 42 WS	Thiamethoxam/metalaxyl-m/difenoconazole	Ws	Seed treatment	2100	Kg	Local Market/ Different States	Apr.2018
240.	Touchdown System 4	Glyphosate	SL	Herbicide	40200	Lit	Kenana Sugar	Apr.2018
241.	Ortiva 250 SC	Azoxystrobin	SC	Fungicide	2160	Lit	Vegetable Farmers/DIFFERENT STATE	Apr.2018
242.	Glycel 41% SL	Glyphosate	SL	Herbicide	16000	Lit	Local Market	May.2018
243.	Glycel 41% SL	Glyphosate	SL	Herbicide	16000	Lit	Local Market	May.2018
244.	Hitcel 44% EC	Profenofos/cypermethrin	EC	Insecticide	7210	Lit	Local Market	May.2018
245.	Orazine 50% SC	Atrazine	SC	Herbicide	10000	Lit	Local Market/Sorghum Farmers	May.2018
246.	Purifier 23.5 % EC	Oxyflufen	EC	Herbicide	50000	Lit	Local Market	May.2018
247.	Match 050 EC	Lufenuron	EC	Insecticide	5040	Lit	Vegetable Farmers/Local Market	May.2018
248.	Match 050 EC	Lufenuron	EC	Insecticide	4800	Lit	Vegetable Farmers/Local Market	May.2018
249.	Agronos 600 SL	2,4-D	SL	Herbicide	50000	Lit	Local Market/Sorghum Farmers	May.2018



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250.	Mancoxyl 72%WP	Mancozeb/metalaxyl	WP	Fungicide	3000	Kg	Local Market/Toma to Production Area	May.2018
251.	Agrisuit 10% SL	Imazethapyr	SL	Herbicide	10000	Lit	Local Market/Alfa Alfa Production Area	May.2018
252.	Agri top 8% EC	Clodinafop-propargyl	EC	Herbicide	15000	Lit	Local Market/Wheat Production Area	May.2018
253.	Agriharvest 10.8 % EC	Haloxypop-p-methyl	EC	Herbicide	10000	Lit	Local Market/Seasame Production Area	May.2018
254.	Orastrobin 25 % SC	Azoxystrobin	SC	Fungicide	3000	Lit	Local Market	May.2018
255.	Orafen 24% EC	Oxyflurofen	EC	Herbicide	20000	Lit	Local Market/Onion Production Area	May.2018
256.	Radical 0.5% EC	Emamectin benzoate	EC	Insecticide	15156	Lit	Farmers/Local Market	May.2018
257.	Zork 25% EC	Carbosulfan	EC	Insecticide	15156	Lit	Farmers/Local Market	May.2018
258.	Zork 25% EC	Carbosulfan	EC	Insecticide	15150	Lit	Farmers/Local Market	May.2018
259.	Promethrin 440 EC	Profenofos/ cypermethrin	EC	Insecticide	12720	Lit	Vegetable Farmers/ALL STATE	May.2018
260.	Permanet 2.0	Deltamethrin	Net	Insecticide	1152270	Pcs	Federal Min. Of Health	May.2018
261.	SelecTa 40% EC	Flusilazole	EC	Fungicide	1010	Lit	Farmers/Local Market	May.2018
262.	Warshan 20% EC	Carbosulfan	EC	Insecticide	12720	Lit	Vegetable Farmers/ALL STATE	May.2018
263.	Touchdown System 4	Glyphosate	SL	Herbicide	36000	Lit	Mahgoub Sons	May.2018
264.	Neven 85 %WP	Carbaryl	WP	Insecticide	9000	Kg	Vegetable Farmers/ALL STATE	May.2018
265.	Nour , 4-d 720 SL	2.4-D	SL	Herbicide	96000	Lit	Local Market	May.2018
266.	Nour , 4-d 720 SL	2.4-D	SL	Herbicide	103680	Lit	Local Market	May.2018
267.	Pendinour 50% EC	Pendimethalin	EC	Herbicide	21000	Lit	Local Market	May.2018
268.	Tricel 48% EC	Chlorpyrifos	EC	Insecticide	5670	Lit	Local Market	May.2018
269.	Pendinour 50% EC	Pendimethalin	EC	Herbicide	34560	Lit	Local Market	May.2018
270.	Glycel 41% SL	Glyphosate	SL	Herbicide	16000	Lit	Local Market	May.2018
271.	Glycel 41% SL	Glyphosate	SL	Herbicide	32000	Lit	Local Market	May.2018
272.	Glycel 41% SL	Glyphosate	SL	Herbicide	100000	Lit	Local Market	May.2018
273.	Glycel 41% SL	Glyphosate	SL	Herbicide	4000	Lit	Local Market	May.2018
274.	Top nour 8% EC	Clodinafop-propargyl	EC	Herbicide	21420	Lit	Local Market/Field Farmers	May.2018
275.	Indoxanour 150SC	Indoxacarb	SC	Insecticide	5000	Lit	Local Market	May.2018
276.	Shark 24% SC	Chlorofenapyr	SC	Insecticide	1725	Lit	Local Farmers	May.2018
277.	Stone 330 EC	Pendimethalin	EC	Herbicide	12960	Lit	Vegetable Farmers/ALL STATE	May.2018



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278.	Gold 240 EC	Oxyflurofen	EC	Herbicide	25440	Lit	Vegetable Farmers/ALL STATE	May.2018
279.	Dawa plus 2.0 long lasting	Deltamethrin	Net	Insecticide	576130	Pcs	Federal Min. Of Health	May.2018
280.	Pilarsato 35.6 % SL	Glyphosate	SL	Herbicide	40000	Lit	Local Market	May.2018
281.	Pilar - 2,4-D 60% SL	2.4-D	SL	Herbicide	40000	Lit	Local Market/Small Farmers	May.2018
282.	Gondolifer 240 EC	Oxyflurofen	EC	Herbicide	12010	Lit	Local Market	May.2018
283.	Carbochem 25 % EC	Carbosulfan	EC	Insecticide	20000	Lit	Vegetable Farmers	May.2018
284.	Goalan 24 EC	Oxyflurofen	EC	Herbicide	25000	Lit	Vegetable Farmers	May.2018
285.	Stariva 25 SC	Azoxystrobin	SC	Fungicide	5000	Lit	Small Farmers	May.2018
286.	Harris 240 EC	Oxyflurofen	EC	Herbicide	18750	Lit	Servcot	May.2018
287.	Permetrino 25 EC	Permethrin	EC	Insecticide	10000	Lit	Local Market	May.2018
288.	Nour , 4-d 720 SL	2.4-D	SL	Herbicide	64000	Lit	Local Market	May.2018
289.	Oxatryn 500 SC	Atrazine	SC	Herbicide	56990	Lit	Local Market	May.2018
290.	Phostoxin	Aluminum phosphide	Tablets	Insecticide	6600	Kg	Wheat Farmers	May.2018
291.	Ridonet mz 72 WP	Mancozeb/metalaxyl	WP	Fungicide	4000	Kg	Vegetable Farmers	May.2018
292.	Topcup 080 EC	Clodinafop-propargyl	EC	Herbicide	3000	Lit	Wheat Farmers	May.2018
293.	Topcup 080 EC	Clodinafop-propargyl	EC	Herbicide	6000	Lit	Wheat Farmers	May.2018
294.	Clodina 8 EC	Clodinafop-propargyl	EC	Herbicide	45000	Lit	Local Market	May.2018
295.	Vital 70% WS	Imidacloprid	WS	Insecticide	4000	Lit	Local Market	May.2018
296.	Almodamer 360 SL	Glyphosate	SL	Herbicide	13600	Lit	Vegetable Farmers	May.2018
297.	Domacyper 25% EC	Cypermethrin	EC	Insecticide	11000	Lit	Vegetable Farmers	May.2018
298.	Lancer 32.5% SC	Azoxystrobin / difenoconazole	SC	Fungicide	1000	Lit	Private Farmer	May.2018
299.	Domacyper 10 % EC	Cypermethrin	EC	Insecticide	7500	Lit	Veterinary	May.2018
300.	Glyphoherb 36% SL	Glyphosate	SL	Herbicide	5000	Lit	Local Market	May.2018
301.	MECagro 1.8	Abamectin	EC	Insecticide	2000	Lit	Local Market	May.2018
302.	Glycel 41% SL	Glyphosate	EC	Herbicide	16000	Lit	Local Market	May.2018
303.	Harris 240 EC	Oxyflurofen	EC	Herbicide	18750	Lit	Servcot	May.2018
304.	Agrocyper 25% EC	Cypermethrin	EC	Insecticide	20000	Lit	Local Market	May.2018
305.	Agrocyper 25% EC	Cypermethrin	EC	Insecticide	5000	Lit	Local Market	May.2018
306.	Glyphoherb 36% SL	Glyphosate	EC	Herbicide	40000	Lit	Local Market	May.2018
307.	Devithiram 25% DP	Thiram	DP	Fungicide	1230	Lit	Local Markrt	May.2018
308.	Clinic 360SL	Glyphosate	SL	Herbicide	57600	Lit	Farmers/All Sites	May.2018
309.	Agrozon 60% EC	Diazinon	EC	Insecticide	600	Lit	Federal Min. Of Health	May.2018
310.	Agrozon 60% EC	Diazinon	EC	Insecticide	6400	Lit	Federal Min. Of Health	May.2018
311.	Permetrino 25 EC	Permethrin	EC	Insecticide	6685	Lit	Federal Min. Of Health	May.2018
312.	Aliso 7	Metribuzin	WP	Herbicide	3000	Kg	Farmers/All States	May.2018
313.	Starmetryn 500 SC	Prometryn	SC	Herbicide	30000	Lit	Servcot	May.2018
314.	Starmetryn 500 SC	Prometryn	SC	Herbicide	18000	Lit	Servcot	May.2018
315.	Goalan 24 EC	Oxyflurofen	EC	Herbicide	18750	Lit	Servcot	May.2018



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316.	Goalan 24 EC	Oxyflurofen	EC	Herbicide	18750	Lit	Servcot	May.2018
317.	Devithiram 25% DP	Thiram	DP	Fungicide	3336	Kg	Local Market	May.2018
318.	Ridonet mz 72 WP	Mancozeb/metalaxyl	WP	Fungicide	3000	Kg	Vegetable Farmers	May.2018
319.	Sponser 330 EC	Pendimethalin	EC	Herbicide	10000	Lit	Vegetable Farmers	May.2018
320.	Topcup 080 EC	Clodinafop-propargyl	EC	Herbicide	2000	Lit	Wheat Farmers	May.2018
321.	Ruimida 600 FS	Imidacloprid	FS	Insecticide	6000	Lit	Servcot	May.2018
322.	Tebu 120 FS	Tebuconazole	FS	Fungicide	250	Lit	Servcot	May.2018
323.	Hadaf 24 % EC	Oxyflurofen	EC	Herbicide	12500	Lit	Servcot	May.2018
324.	Herbon 50 % SC	Diuron	SC	Herbicide	22400	Lit	Servcot	May.2018
325.	New detox insect killer	D-allothrin/d-phenothrin	Aerosol	Insecticide	9000	Dozen	Public Health	May.2018
326.	Dice 2.8 % EC	Deltamethrin	EC	Insecticide	2000	Lit	Public Health	May.2018
327.	Sicogly 36 SL	Glyphosate	SL	Herbicide	9000	Lit	Farmers/All States	May.2018
328.	Cletho super 12 EC	Clethodim	EC	Herbicide	15000	Lit	Local Market	May.2018
329.	Cypercid 25% EC	Cypermethrin	EC	Insecticide	30000	Lit	Local Market/Vegetable Farmers	June.2018
330.	Cypercid 25% EC	Cypermethrin	EC	Insecticide	5000	Lit	Local Market/Vegetable Farmers	June.2018
331.	Pendinour 50% EC	Pendimethalin	EC	Herbicide	21000	Lit	African Plantation/Local Market	June.2018
332.	Pendinour 50% EC	Pendimethalin	EC	Herbicide	34560	Lit	African Plantation/Local Market	June.2018
333.	Glycel36% SL	Glyphosate	SL	Herbicide	52000	Lit	African Plantation/Local Market	June.2018
334.	Glycel36% SL	Glyphosate	SL	Herbicide	16000	Lit	African Plantation/Local Market	June.2018
335.	Glycel36% SL	Glyphosate	SL	Herbicide	16000	Lit	African Plantation/Local Market	June.2018
336.	Glycel36% SL	Glyphosate	SL	Herbicide	16000	Lit	African Plantation/Local Market	June.2018
337.	Stomp aqua 455 SC	Pendimethalin	CS	Herbicide	2 160	Lit	Vegetable Farmers/ALL STATE	June.2018
338.	Amistar top 325 SC	Beta-cyfluthrin	EC	Insecticide	7200	Lit	Local Market/Farmers	June.2018
339.	Amistar top 325 SC	Beta-cyfluthrin	EC	Insecticide	8400	Lit	Local Market/Farmers	June.2018
340.	Goldate 24% EC	Oxyflurofen	EC	Herbicide	5000	Lit	Local Markets	June.2018
341.	Delta 2.5 % EC	Deltamethrin	EC	Insecticide	5000	Lit	Local Market /Different State	June.2018
342.	Diazate 60% EC	Diazinon	EC	Insecticide	5000	Lit	Local Market /Different State	June.2018
343.	Tantrix 5% EC	Lambda-cyhalothrin	EC	Insecticide	8080	Lit	Vegetable Farmers/Local Market	June.2018
344.	Radical 0.5% EC	Emamectin benzoate	EC	Insecticide	8080	Lit	Farmers/Local Market	June.2018



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345.	Zork 25% EC	Carbosulfan	EC	Insecticide	15156	Lit	Farmers/Local Market	June.2018
346.	Zork 25% EC	Carbosulfan	EC	Insecticide	15150	Lit	Farmers/Local Market	June.2018
347.	Iprozin 500 SC	Atrazine	SC	Herbicide	5000	Lit	Rain Fed&Irrigated Farmers	June.2018
348.	New pyrosol	Neo pyramine/sumithrin/piperony butoxide	Aerosol	Insecticide	172800	Cans	Local Market	June.2018
349.	Iproxyherb 600 SL	2.4-D	SL	Herbicide	57000	Lit	Rain Fed Farmers	June.2018
350.	Amassiss 25 EC	Beta-cyfluthrin	EC	Insecticide	8400	Lit	Local Market/ Farmers	June.2018
351.	New pyrosol	Neo pyramine/sumithrin/piperony butoxide	Aerosol	Insecticide	172800	Cans	Local Market	June.2018
352.	Sonround 48 SL	Glyphosate	SL	Herbicide	60000	Lit	Kenana Sugar Co	June.2018
353.	King amsalt 720 SL	2.4-D	SL	Herbicide	217000	Lit	Local Market /Rain Fed Area	June.2018
354.	Insectido 5% EC	Lambda-cyhalothrin	EC	Insecticide	6400	Lit	Vegetable Farmers/DIFF ERENT STATE	June.2018
355.	Celest top 312.5 FS	Thiamethoxam/FLUDIOXONIL/ difenconazole	FS	Seed treatment	3360	Lit	Local Market	June.2018
356.	Chlomightsuper 48%	Chlorpyrifos	EC	Insecticide	17200	Lit	Local Market /Different State	June.2018
357.	Pendimight 500 EC	Pendimethalin	EC	Herbicide	13000	Lit	Local Market /Different State	June.2018
358.	Harris 240 EC	Oxyflurofen	EC	Herbicide	11000	Lit	Local Market /Different State	June.2018
359.	Harris 240 EC	Oxyflurofen	EC	Herbicide	10000	Lit	Local Market /Different State	June.2018
360.	Carbomight 25 EC	Carbosulfan	EC	Insecticide	8000	Lit	Local Market /Different State	June.2018
361.	Ficam w	Bendiocarb	WP	Insecticide	68000	Kg	Federal Min. Of Health	June.2018
362.	Chlomightsuper 48%	Chlorpyrifos	EC	Insecticide	10000	Lit	Local Market /Different State	June.2018
363.	Pendimight 500 EC	Pendimethalin	EC	Insecticide	13000	Lit	Local Market /Different State	June.2018
364.	Pendimight 500 EC	Pendimethalin	EC	Insecticide	13000	Lit	Local Market /Different State	June.2018
365.	Pendimight 500 EC	Pendimethalin	EC	Insecticide	13000	Lit	Local Market /Different State	June.2018
366.	Harris 240 EC	Oxyflurofen	EC	Herbicide	10000	Lit	Local Market /Different State	June.2018
367.	Harris 240 EC	Oxyflurofen	EC	Herbicide	10000	Lit	Local Market /Different State	June.2018
368.	Chlomightsuper 48%	Chlorpyrifos	EC	Insecticide	2000	Lit	Local Market /Different State	June.2018



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369.	Chlomit super 48%	Chlorpyrifos	EC	Insecticide	4300	Lit	Local Market /Different State	June.2018
370.	Fenkill 20% EC	Fenvalerate	EC	Insecticide	11000	Lit	Vegetable Farmers/DIFFERENT STATE	June.2018
371.	Glycel 36% SL	Glyphosate	SL	Herbicide	25200	Lit	Local Market	June.2018
372.	Ficam w	Bendiocarb	WP	Insecticide	6500	Kg	Federal Min. Of Health	June.2018
373.	Ficam w	Bendiocarb	WP	Insecticide	8750	Kg	Federal Min. Of Health	June.2018
374.	Ficam w	Bendiocarb	WP	Insecticide	52750	Kg	Federal Min. Of Health	June.2018
375.	Alsystin 50 UL	Trifluorom	UL	Insecticide	2010	Lit	Ppd	June.2018
376.	Till nour 25% EC	Propiconazole	EC	Fungicide	9644	Lit	Local Market	June.2018
377.	Hitcel 44% EC	Profenofos/cypermethrin	EC	Insecticide	8000	Lit	Local Market	June.2018
378.	Speed 64.5 % sg	Glyphosate	SG	Herbicide	12000	Kg	Local Market	June.2018
379.	Tricel 48% EC	Chlorpyrifos	EC	Insecticide	6000	Lit	Local Market	June.2018
380.	Starmetryn 500 SC	Prometryn	SC	Herbicide	37600	Lit	Gezira Scheme/New Halfa	June.2018
381.	Sicofidor 30.5 % SC	Imidacloprid	SC	Insecticide	2300	Lit	Public Health	June.2018
382.	Dice 2.8 % EC	Deltamethrin	EC	Insecticide	3000	Lit	Public Health	June.2018
383.	Sicorin 25% EC	Cypermethrin	EC	Insecticide	2000	Lit	Vegetable Farmers/ALL OVER THE COUNTRY	June.2018
384.	Shield 24 % EC	Oxyflurofen	EC	Herbicide	4000	Lit	Vegetable Farmers/ALL OVER THE COUNTRY	June.2018
385.	Fusilade forte 150 EC	Fluazifop -p-butyl	EC	Herbicide	30000	Lit	Local Market /Small Farmers	June.2018
386.	Malafos 57% EC	Malathion	EC	Insecticide	5000	Lit	Small Farmers	June.2018
387.	Diazain 60 % EC	Diazinon	EC	Insecticide	7000	Lit	Local Market/ Farmers	June.2018
388.	Ficam 1% d	Pendiocarb	DP	Insecticide	60000	Kg	Ppd	June.2018
389.	Cypermight 10% EC	Cypermethrin	EC	Insecticide	13000	Lit	Local Market /Different Location	June.2018
390.	Cypermight super 25 EC	Cypermethrin	EC	Insecticide	8700	Lit	Local Market	June.2018
391.	Cypermight super 25 EC	Cypermethrin	EC	Insecticide	21700	Lit	Local Market	June.2018
392.	Chlorcid 48 EC	Chlorpyrifos	EC	Insecticide	5000	Lit	Wheat Farmers	June.2018
393.	Chlorcid 48 EC	Chlorpyrifos	EC	Insecticide	5000	Lit	Wheat Farmers	June.2018
394.	Chlorcid 48 EC	Chlorpyrifos	EC	Insecticide	30000	Lit	Wheat Farmers	June.2018
395.	Round up	Glyphosate	SL	Herbicide	50000	Lit	Rain Fed Farmers/Local Market	June.2018
396.	Round up	Glyphosate	SL	Herbicide	30000	Lit	Rain Fed Farmers/Local Market	June.2018
397.	Round up	Glyphosate	SL	Herbicide	20000	Lit	Rain Fed Farmers/Local Market	June.2018
398.	Gizmo super	Imidacloprid/tebuconazole	FS	Seed treatment	2160	Lit	Wheat Farmers/ All Sides	June.2018



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399.	Purifier 23.5 % EC	Oxyflurofen	EC	Herbicide	22000	Lit	Local Market	June.2018
400.	Cypercid 25% EC	Cypermethrin	EC	Insecticide	5000	Lit	Vegetable Farmers/Local Market	June.2018
401.	Gezapro 500 SC	Prometryn	SC	Herbicide	30000	Lit	African Plantation/Local Market	June.2018
402.	Sons 4-d 600 SL	2.4-D	SL	Herbicide	15000	Lit	Local Market	June.2018
403.	Gezatop 500 SC	Atrazine	SC	Herbicide	10000	Lit	Local Market	June.2018
404.	Oranosate 36% SL	Glyphosate	SL	Herbicide	50000	Lit	Local Market	June.2018
405.	Kung FU 5% EC	Lambda- cyhalothrin	EC	Insecticide	4800	Lit	Local Market	Jul.2018
406.	Sylian 72% EC	Profenofos	EC	Insecticide	11977	Lit	Local Market	Jul.2018
407.	Malason 57% EC	Malathion	EC	Insecticide	20000	Lit	Local Market	Jul.2018
408.	Devithiram 25% DP	Thiram	DP	Fungicide	1632	Kg	Local Market	Jul.2018
409.	Taxgoal 240 EC	Oxyflurofen	EC	Herbicide	10000	Lit	Local Market	Jul.2018
410.	Super100 EC	Cypermethrin	EC	Insecticide	18000	Lit	Veterinary Use	Jul.2018
411.	Clinic 360 SL	Glyphosate	SL	Herbicide	49640	Lit	Local Market	Jul.2018
412.	Touchdown system	Glyphosate	SL	Herbicide	7488	Lit	Local Market	Jul.2018
413.	Till nour 25% EC	Propiconazole	EC	Fungicide	360	Lit	Local Market	Jul.2018
414.	Oxatryn 500SC	Atrazine	SC	Herbicide	90000	Lit	Kenana Sugar Co	Jul.2018
415.	Pendimight 500 EC	Pendimethalin	EC	Herbicide	48000	Lit	Kenana Sugar Co	Jul.2018
416.	Pendimight 500 EC	Pendimethalin	EC	Herbicide	24000	Lit	Kenana Sugar Co	Jul.2018
417.	Pendimight 500 EC	Pendimethalin	EC	Herbicide	48000	Lit	Kenana Sugar Co	Jul.2018
418.	Amassis 25% EC	Beta-cyfluthrin	EC	Insecticide	8400	Lit	Local Market	Jul.2018
419.	Hadenofos 40% EC	Profenofos	EC	Insecticide	1000	Lit	Local Market	Jul.2018
420.	HaDPhosate 360 SL	Glyphosate	SL	Herbicide	9072	Lit	Local Market	Jul.2018
421.	Icaros 1.8% EC	Abamectin	EC	Insecticide	8080	Lit	Local Market	Jul.2018
422.	Icaros 1.8% EC	Abamectin	EC	Insecticide	8080	Lit	Local Market	Jul.2018
423.	Starmetryn 500 SC	Prometryn	SC	Herbicide	50000	Lit	African Plantation	Jul.2018
424.	Taxgoal 240 EC	Oxyflurofen	EC	Herbicide	2000	Lit	Local Market	Jul.2018
425.	Cyperzin 10% EC	Cypermethrin	EC	Insecticide	1000	Lit	Local Market	Jul.2018
426.	Malazhion 57% EC	Malathion	EC	Insecticide	5000	Lit	Local Market	Jul.2018
427.	Carbazin 85% WP	Carbaryl	WP	Insecticide	4000	Kg	Local Market	Jul.2018
428.	Cyperzin 25% EC	Cypermethrin	EC	Insecticide	12000	Lit	Local Market	Jul.2018
429.	Thioram 25% DP	Thiram	DP	Fungicide	2520	Kg	Local Market	Jul.2018
430.	Pendico 50 EC	Pendimethalin	EC	Herbicide	28800	Lit	Kenana Sugar Co	Jul.2018
431.	Atrazinc 50 SC	Atrazine	SC	Herbicide	64000	Lit	Kenana Sugar Co	Jul.2018
432.	Splash 10 EC	Cypermethrin	EC	Insecticide	30240	Lit	Veterinary Use	Jul.2018
433.	SULfex gold 80% WDG	Sulfur	WDG	Fungicide	11000	Kg	Vegetable Farmers	Jul.2018
434.	Gaucho 600 FS	Imidacloprid	FS	Insecticide	10700	Lit	New Halfa Agri	Jul.2018
435.	Raxil 120 FS	Tebuconazole	FS	Fungicide	3600	Lit	New Halfa Agri	Jul.2018
436.	Gafiel 600 SL	2.4-D	SL	Herbicide	22600	Lit	Local Market	Jul.2018
437.	Tantrix 5% EC	Lambda- cyhalothrin	EC	Insecticide	8080	Lit	Vegetable Farmers	Jul.2018



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438.	Tantrix 5% EC	Lambda- cyhalothrin	EC	Insecticide	8088	Lit	Vegetable Farmers	Jul.2018
439.	Thiovit jet 80 WG	Sulphur	WG	Fungicide	15000	Wg	Vegetable Farmers	Jul.2018
440.	Krismat 75 WG	Ametryn+ trifloxysulfuron sodium	WG	Herbicide	8000	Kg	Sudanese Sugar Co.	Jul.2018
441.	Akorel 720 SL	Ethephon	SL	Growth regulator	15000	Lit	Kenana Sugar Co	Jul.2018
442.	Morisban 48% EC	Chloropyrifos	EC	Insecticide	21950	Lit	White Nile S Agri-Irrigated Schemes Wheat	August.2018
443.	Morisban 48% EC	Chloropyrifos	EC	Insecticide	17500	Lit	White Nile S Agri-Irrigated Schemes Wheat	August.2018
444.	Cypothrin 25% EC	Cypermethrin	EC	Insecticide	4000	Lit	Local Market	August.2018
445.	Bright 25% EC	Carbosulfan	EC	Insecticide	6000	Lit	Local Market	August.2018
446.	GhoULish 70 WS	Imidacloprid	WS	Seed DRESSING	3002	Kg	Local Market	August.2018
447.	Mas 10% gr	Carofuran	GR	Insecticide	20000	Kg	Local Market	August.2018
448.	SULfon 75% WDG	Sulfosulfuron	WDG	Herbicide	800	Kg	Local Market	August.2018
449.	Hadaf 24% EC	Oxyflourfen	EC	Herbicide	12508	Lit	Local Market	August.2018
450.	Herphosate 36% SL	Glyphosate ACID EQU	SL	Herbicide	4000	Lit	Local Market	August.2018
451.	Pestban 48% EC	Chlorpyrifos	EC	Insecticide	4000	Lit	Local Market	August.2018
452.	Morisban 48% EC	Chloropyrifos	EC	Insecticide	3000	Lit	National Wheat ProjECt/River Nile State	August.2018
453.	Morisban 48% EC	Chloropyrifos	EC	Insecticide	3000	Lit	National Wheat ProjECt/River Nile State	August.2018
454.	Morisban 48% EC	Chloropyrifos	EC	Insecticide	7500	Lit	Gezira Scheme	August.2018
455.	Belt extra 175 od	Flubendiamide/ spirotetramat	OD	Insecticide	3000	Lit	Private Market	August.2018
456.	Goalan 24 EC	Oxyfluorfen	EC	Herbicide	18750	Lit	Vegetable Farmers/Different State	August.2018
457.	Betatol 20%	Fenprothrin	EC	Insecticide	2000	Lit	Vegetable Farmers/Different State	August.2018
458.	Belt extra 175 od	Flubendiamide/ spirotetramat	OD	Insecticide	5000	Lit	Private Market	August.2018
459.	Nativo 75 WG	Tebuconazole/trifloxystrobin	WG	Fungicide	4000	Kg	Private Market	August.2018
460.	Proteus 110 od	Thiacloprid/deltamethrin	OD	Insecticide	10000	Lit	Private Market	August.2018
461.	Puma super	Fenoxapropo-p ethyl /Mefenpyr-diethyl(safener)	EW	Herbicide	16000	Lit	Private Market	August.2018
462.	Confidor 200 SL	Imidacloprid	SL	Insecticide	8000	Lit	Private Market	August.2018
463.	Stomp aqua 455 SC	Pendimethalin	CS	Herbicide	31680	Lit	Different Farmers/Allsides	August.2018
464.	Stomp aqua 455 SC	Pendimethalin	CS	Herbicide	10080	Lit	Different Farmers/Allsides	August.2018



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465.	DECis 25 EC	Deltamethrin	EC	Insecticide	5000	Lit	Private Market	August.2018
466.	Touchdown system 4	Glyphosate((acid eq)ivalent)	SL	Herbicide	150000	Lit	Sudanese Sugar Co. Ltd	August.2018
467.	Kingly 360 SL	Glyphosate ACID EQU	SL	Herbicide	64000	Lit	Local Market/Small Farmers	August.2018
468.	Cythrino pro 25%	Cypermethrin	EC	Insecticide	20000	Lit	Local Market	August.2018
469.	Abamec 3.6% EC	Abamectin	EC	Insecticide	5000	Lit	Vegetable Growers/Local Market	August.2018
470.	Shendi -top 32.5% SC	Azoxystrobin/difenoconazole	SC	Insecticide	5000	Lit	Vegetable Growers/Local Market	August.2018
471.	Speed 64.5 % sg	Glyphosate acid	SG	Herbicide	5000	Kg	Local Market	August.2018
472.	Evito plus 50% EC	Pendimethalin	EC	Herbicide	10000	Lit	Vegetable Growers/Local Market	August.2018
473.	Purifier 23.5 % EC	Oxyfluorfen	EC	Herbicide	8000	Lit	Local Market	August.2018
474.	Gesagard 500 FW	Prometryn	FW	Herbicide	6000	Lit	All Farmers/ All Sites	August.2018
475.	Topik 80 EC	Clodinafop-propargyl	EC	Herbicide	6240	Lit	Wheat Farmers/ All Sites	August.2018
476.	Bendazim 50 SC	Carbendazim	SC	Fungicide	5000	Lit	Vegetable Farmers	August.2018
477.	Sonround 48 SL	Glyphosate (acid eq)	SL	Herbicide	10000	Lit	Local Market	August.2018
478.	Nour , 4-d 720 SL	2.4-D (acid eq)	SL	Herbicide	32000	Lit	Local Market	August.2018
479.	Imida 70% WS	Imidacloprid	WS	Insecticide	6000	Kg	Wheat Farmers	August.2018
480.	Top nour 8% EC	Clodinafop-propargyl	EC	Herbicide	11004	Lit	Local Market	August.2018
481.	Sinocron 40 EC	Profenofos	EC	Insecticide	10000	Lit	Small Farmers/Vegetable Grower Area	August.2018
482.	Pendi aqua 455 SC	Pendimethalin	CS	Herbicide	5000	Lit	Vegetable Areas	August.2018
483.	Nour , 4-d 720 SL	2.4-D (acid eq)	SL	Herbicide	23040	Lit	Local Market	August.2018
484.	Dialen super 464 SL	2.4-D (acid eq)/ dicamba	SL	Herbicide	15000	Lit	Local Market	August.2018
485.	Traxos 045 EC	Pinoxaden/clodinafop-propargyl/cloquinoxim(mexyl)(safener)	EC	Herbicide	7200	Lit	Wheat Farmers	August.2018
486.	Fusilade forte 150 EC	Fluazifop -p-butyl	EC	Herbicide	5760	Lit	Local Market/Small Farmers	August.2018
487.	SeleCron 720 EC	Profenofos	EC	Insecticide	4608	Lit	Vegetable Farmers/Local Market	August.2018
488.	Tricel 48% EC	Chlorpyrifos	EC	Insecticide	19360	Lit	New Halfa Agri.Corporation	Sep.2018
489.	Nour , 4-d 720 SL	2.4-D	SL	Herbicide	34992	Lit	New Halfa Agri.Corporation	Sep.2018
490.	Nour , 4-d 720 SL	2.4-D	SL	Herbicide	8320	Lit	New Halfa Agri.Corporation	Sep.2018



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491.	New pyrosol	Neo pyramine/sumithrin/ piperony butoxide	Aerosol	Insecticide	172800	Cans	Private Market	Sep.2018
492.	New pyrosol	Neo pyramine/sumithrin/ piperony butoxide	Aerosol	Insecticide	172800	Cans	Private Market	Sep.2018
493.	Oxyfen 24% EC	Oxyflourfen	EC	Herbicide	8000	Lit	Local Farmers	Sep.2018
494.	Antilope 10 EC	Clodinafop-propargyl	EC	Herbicide	6800	Lit	Local Farmers	Sep.2018
495.	Aim 10 % EC	Alphacypermethrin	EC	Insecticide	4800	Lit	Local Market /Different Location	Sep.2018
496.	Aim 10 % EC	Alphacypermethrin	EC	Insecticide	4800	Lit	Local Market /Different Location	Sep.2018
497.	Samurai 50% EC	Pendimethalin	EC	Herbicide	11520	Lit	Local Market /Different Location	Sep.2018
498.	Samurai 50% EC	Pendimethalin	EC	Herbicide	11520	Lit	Local Market /Different Location	Sep.2018
499.	Safi 50 EC	Pendimethalin	EC	Herbicide	10000	Lit	Vegetable Farmers /Different State	Sep.2018
500.	ECtothion 57 % EC	Malathion	EC	Insecticide	18750	Lit	Veterinary Purpose/ Different State	Sep.2018
501.	Power vet 10 % EC	Cypermethrin	EC	Insecticide	13000	Lit	Local Market For Veterinary	Sep.2018
502.	Eureka 5 EC	Lambda-cyhalothrin	EC	Insecticide	4800	Lit	Local Market /Different Location	Sep.2018
503.	Eureka 5 EC	Lambda-cyhalothrin	EC	Insecticide	4800	Lit	Local Market /Different Location	Sep.2018
504.	Sweep 36 % SL	Glyphosate	SL	Herbicide	12200	Lit	Local Market	Sep.2018
505.	Tilt 250 EC	Propiconazole	EC	Fungicide	4320	Lit	Local Market	Sep.2018
506.	Ridomil gold mz 68 WG	Metalaxyl-m-mefenoxam/ mancozeb	WG	Fungicide	5130	Kg	Local Market	Sep.2018
507.	Top nour 8% EC	Clodinafop-propargyl	EC	Herbicide	11520	Lit	New Halfa Agri.Coporati on	Sep.2018
508.	Top nour 8% EC	Clodinafop-propargyl	EC	Herbicide	8220	Lit	New Halfa Agri.Coporati on	Sep.2018
509.	Agrozon 60% EC	Diazinon	EC	Insecticide	7000	Lit	Local Market /Public Health	Sep.2018
510.	MECagro 1.8	Abamectin	EC	Insecticide	3232	Lit	Local Market	Sep.2018
511.	Agronos 600 SL	2.4-D	SL	Herbicide	50000	Lit	Sorghum Farmers / Local Market	Sep.2018
512.	Agri top 8% EC	Clodinafop-propargyl	EC	Herbicide	20000	Lit	Local Market	Sep.2018
513.	Agronos 600 SL	2.4-D	EC	Herbicide	50000	Lit	Sorghum Farmers / Local Market	Sep.2018
514.	Brlcyp -vet	Cypermethrin	EC	Insecticide	10500	Lit	Local Market / Veterinary Use	Sep.2018
515.	Mas 10% gr	Carbofuran	GR	Insecticide	20000	Kg	Local Market	Sep.2018
516.	Roven85% WP	Carbaryl	WP	Insecticide	10000	Kg	Local Market	Sep.2018
517.	Beisite insecticide aerosol	Tetramethrin/rich-d-t- prallethrin/ deltamethrin	Aerosol	Insecticide	34320	Cans	Local Market	Sep.2018
518.	Pendinour 50% EC	Pendimethalin	EC	Herbicide	19200	Lit	Local Market	Sep.2018



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519.	Deltaphone 2.8% EC	Deltamethrin	EC	Insecticide	9500	Lit	Local Market	Sep.2018
520.	Tricel 48% EC	Chlorpyrifos	EC	Insecticide	16000	Lit	Local Market/Vegetable Farmers	Sep.2018
521.	Hitcel 44% EC	Profenofos/ Cypermethrin	EC	Insecticide	16000	Lit	Local Market	Sep.2018
522.	Top nour 8% EC	Clodinafop-propargyl	EC	Herbicide	9264	Lit	Local Market	Sep.2018
523.	Pendinour 50% EC	Pendimethalin	EC	Herbicide	19200	Lit	Local Market	Sep.2018
524.	Celenour 72% EC	Profenofos	EC	Insecticide	16000	Lit	Local Market	Sep.2018
525.	Samcotin 1.8%	Abamectin	EC	Insecticide	4512	Lit	Local Market	Sep.2018
526.	Miracle 10% EC	Penconazole	EC	Fungicide	1056	Lit	Local Market	Sep.2018
527.	Miracle 10% EC	Penconazole	EC	Fungicide	1632	Lit	Local Market	Sep.2018
528.	Samcotin 1.8%	Abamectin	EC	Insecticide	4512	Lit	Local Market	Sep.2018
529.	Fenbest 6 ULV	Fenthion	ULV	Insecticide& AVICIDE	40000	Lit	Plant Protection Directorate	Sep.2018
530.	Valerate 20% EC	Fenvalerate	EC	Insecticide	7500	Lit	Local Market	Sep.2018
531.	Impala 20 SL	Acetamiprid	SL	Insecticide	1000	Lit	Local Farmers	Sep.2018
532.	Manara 25 WG	Thiamethoxam	WG	Insecticide	144	Kg	Farmers	Sep.2018
533.	Terdok 80 EC	Clodinafop-propargyl	EC	Herbicide	16800	Lit	Gezira Scheme	Sep.2018
534.	Terdok 80 EC	Clodinafop-propargyl	EC	Herbicide	840	Lit	Gezira Scheme	Sep.2018
535.	Brlcyp -vet	Cypermethrin	EC	Insecticide	45000	Lit	Veterinary Use	Sep.2018
536.	Sylian 72% EC	Profenofos	EC	Insecticide	5040	Lit	Local Market	Oct.2018
537.	Agroharvest 1.8% EC	Haloxypop-p-methyl	EC	Herbicide	20000	Lit	Agri. Research	Oct.2018
538.	Soffell	N-n-diethyl-m- toluamide	LOTION	Insecticide	1575	Carton	Private Market/Public Health	Oct.2018
539.	Cyper one 25% EC	Cypermethrin	EC	Insecticide	5000	Lit	Local Market	Oct.2018
540.	Aletrin 440 EC	Profenofos/ cypermethrin	EC	Insecticide	5000	Lit	Local Market	Oct.2018
541.	Thio- gold	Sulphur	WDG	Fungicide	1900	Kg	Local Market	Oct.2018
542.	SeleCton 50% EC	Profenofos	EC	Insecticide	5000	Lit	Local Market	Oct.2018
543.	Mancomeal	Mancozeb/metalaxyl	WP	Fungicide	3500	Kg	Local Market	Oct.2018
544.	Pendistop 50% EC	Pendimethalin	EC	Herbicide	5000	Lit	Local Market	Oct.2018
545.	Doger amine 600 SL	2.4-D	SL	Herbicide	16800	Lit	Local Market / Farmers	Oct.2018
546.	New pyrosol	Neo pyramine/ sumithrin/ piperony butoxide	Aerosol	Insecticide	172800	Cans	Private Marke	Oct.2018
547.	New pyrosol	Neo pyramine/sumithrin/ piperony butoxide	Aerosol	Insecticide	172800	Cans	Private Marke	Oct.2018
548.	Topgard 8% EC	Clodinafop-propargyl	EC	Herbicide	3000	Kg	Local Market	Oct.2018
549.	Permanet 2.0	Deltamethrin	Treated Bed Net	Insecticide	237220	Pcs	Federal Min. Of Health	Oct.2018
550.	Celenour 72% EC	Profenofos	EC	Insecticide	16000	Lit	African Plantation/Local Market	Oct.2018
551.	Cletho super 12 EC	Clethodim	EC	Herbicide	2200	Lit	Local Farmers	Oct.2018
552.	Permanet 2.0	Deltamethrin	Treated Bed Net	Insecticide	10000	Pcs	Federal Min. Of Health	Oct.2018
553.	Commando	Zinc phosphide	POWDER	Rodenticide	20000	Kg	P.P.D	Oct.2018
554.	Commando	Zinc phosphide	POWDER	Rodenticide	20000	Kg	P.P.D	Oct.2018
555.	Commando	Zinc phosphide	POWDER	Rodenticide	20000	Kg	P.P.D	Oct.2018
556.	Carbochem 25 % EC	Carbosulfan	EC	Insecticide	8000	Lit	Local Market /Different Location	Oct.2018



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557.	Permetrino 25 EC	Permethrin	EC	Insecticide	15000	Lit	Local Market /Different Location	Oct.2018
558.	Agrimethalin 50% EC	Pendimethalin	EC	Insecticide	20000	Lit	Local Market	Oct.2018
559.	Vanish 600 UL	Fenthion	EC	Insecticide	30000	Lit	P.P.D	Oct.2018
560.	IproSCan 10% SC	Chlorfenapyr	SC	Insecticide	3000	Lit	Private Market	Oct.2018
561.	Carbomight 25 EC	Carbosulfan	EC	Insecticide	7992	Lit	Local Market /Different Location	Oct.2018
562.	Touchdown system 4	Glyphosate	EC	Herbicide	24600	Lit	Local Market	Oct.2018
563.	Harris 240 EC	Oxyflurofen	EC	Herbicide	4 032	Lit	Local Market /Different Location	Oct.2018
564.	Chlomightsuper 48%	Chlorpyiphos	EC	Insecticide	15936	Lit	Local Market /Different Location	Oct.2018
565.	Acimaxyl 72 WP	Metalaxyl-m-mefenoxam/ mancozeb	WP	Fungicide	8000	Kg	Local Market / Vegetable Farmer	Oct.2018
566.	Raid odorless flying insect killer	Sumethrin/prallethrin	Aerosol	Insecticide	69120	Cans	Local Market / Public Health	Nov.2018
567.	Cypermight super 25% EC	Cypermethrin	EC	Insecticide	1296	Lit	Local Market /Different Location	Nov.2018
568.	Cypermight 10% EC	Cypermethrin	EC	Insecticide	7 000	Lit	Local Market /Different Location	Nov.2018
569.	FULdazim 50 WP	Carbendazim	WP	Fungicide	19618.56	Kg	Local Market	Nov.2018
570.	Ficam w	Bendiocarb	WP	Insecticide	8000	Kg	Ministry Of Health /Gezira&Sinn ar	Nov.2018
571.	GhoULish 70 WS	Imidacloprid	WS	Seed DRESSING	98	Kg	Local Market	Nov.2018
572.	Hadaf 24% EC	Oxyflourfen	EC	Herbicide	4	Lit	Local Market	Nov.2018
573.	SULfon 75% WDG	Sulfosulfuron	WDG	Herbicide	80	Kg	Local Market	Nov.2018
574.	New detox insect killer	D-allethrin/d-phenothrin	Aerosol	Insecticide	9000	Dozen	Public Health/ Local Market	Nov.2018
575.	Brlcyp -vet	Cypermethrin	EC	Insecticide	49500	Lit	Local Market / Veterinary Use	Nov.2018
576.	Raid odorless flying insect killer	Sumethrin/prallethrin	Aerosol	Insecticide	10368	Cans	Local Market /Public Health	Nov.2018
577.	Raid flying insect killer	Sumethrin/prallethrin	AEROSOL	Insecticide	24192	Cans	Local Market /Public Health	Nov.2018
578.	Rubah 80 EC	Clodinafop-propargyl	EC	Herbicide	11520	Lit	Local Market /Different Location	Nov.2018
579.	Top nour 8%EC	Clodinafop-propargyl	EC	Herbicide	10008	Lit	Local Market	DEC.2018
580.	Hitcel 44% EC	Profenofos/cypermethrin	EC	Insecticide	9500	Lit	Local Market	DEC.2018
581.	Tricel 48% EC	Chloropyrifos	EC	Insecticide	9500	Lit	Local Market	DEC.2018
582.	Diaflex 80% WG	Sulfur	WG	Fungicide	10000	Kg	Local Market	DEC.2018
583.	Revolver 5% sg	Emamectin benzoate	SG	Insecticide	1077	Kg	Local Market	DEC.2018
584.	Centric 50% WP	Cymoxanil/mancozeb	WP	Fungicide	5250	Kg	Local Market	DEC.2018
585.	Glycel 36% SL	Glyphosate	SL	Herbicide	10000	Lit	Local Market	DEC.2018
586.	Glycel 36% SL	Glyphosate	SL	Herbicide	12600	Lit	Local Market	DEC.2018
587.	Glycel 36% SL	Glyphosate	SL	Herbicide	16000	Lit	Local Market	DEC.2018
588.	Pestban 48% EC	Chlorpyrifos	EC	Insecticide	4000	Lit	Local Market	DEC.2018



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589.	Herphosate 36% SL	Glyphosate	SL	Herbicide	4000	Lit	Local Market	DEC.2018
590.	Glycel 36% SL	Glyphosate	SL	Herbicide	16000	Lit	Local Market	DEC.2018
591.	Glycel 36% SL	Glyphosate	SL	Herbicide	12600	Lit	Local Market	DEC.2018
592.	Chess 50 WG	Pymetrozine	WG	Insecticide	235.2	Kg	Vegetable Farmer	DEC.2018
593.	Mazipur 600 SL	2,4-D (acid eq)	SL	Herbicide	64000	Lit	Local Market	DEC.2018
594.	Nour , 4-d 720 SL	2,4-D (acid eq)	SL	Herbicide	11520	Lit	Local Market	DEC.2018
595.	Glyphonil 360 SL	Glyphosate	SL	Herbicide	42004	Lit	Local Market	DEC.2018
596.	Chlomight super 48% EC	Chlorpyrifos	EC	Insecticide	3725	Lit	New Halfa Agri.Corporation	DEC.2018
597.	Nour , 4-d 720 SL	2,4-D (acid eq)	SL	Herbicide	10008	Lit	Agri. Research	DEC.2018
598.	Carbodan 10% GR	Carbofuran	GR	Insecticide	20000	Kg	Private Market	DEC.2018
599.	Cletho super 12 EC	Clethodim	EC	Herbicide	10000	Lit	Local Market	DEC.2018
600.	Oxyfen 24% EC	Oxyflufen	EC	Herbicide	7000	Lit	Local Market	DEC.2018
601.	Dual gold 960 EC	S-metolachlor	EC	Herbicide	20000	Lit	Sun Flower/ Rain Fed	DEC.2018
602.	Catch 70% WP	Imidacloprid	WP	Insecticide	1000	Lit	Local Market	DEC.2018
603.	Tebicon 2% WS	Tebuconazole	WP	Fungicide	500	Kg	Local Market	DEC.2018
604.	Shark 24% SC	Chlorofenapyr	SC	Insecticide	1000	Lit	Local Market	DEC.2018
605.	Clinic 360SL	Glyphosate	SL	Herbicide	50000	Lit	All Farmers/ All Sites	DEC.2018
606.	Clinic 360SL	Glyphosate	SL	Herbicide	75000	Lit	All Farmers/ All Sites	DEC.2018
607.	Clinic 360SL	Glyphosate	SL	Herbicide	150000	Lit	All Farmers/ All Sites	DEC.2018
608.	Clinic 360SL	Glyphosate	SL	Herbicide	100000	Lit	All Farmers/ All Sites	DEC.2018
609.	Topik 80 EC	Clodinafop-propargyl	EC	Herbicide	30000	Lit	Wheat Product	DEC.2018
610.	Denim fit 50 WG	Enamectin benzoate	WG	Insecticide	1008	Lit	Vegetable Farmers	DEC.2018
611.	Gesagard 500 FW	Prometryn	FW	Herbicide	30000	Lit	All Farmers/ All Sites	DEC.2018
612.	Dicopur D 720 SL	2,4-D (acid eq)	SL	Herbicide	100000	Lit	Rain Fed Farmers/Local Market	DEC.2018
613.	Dicopur D 720 SL	2,4-D (acid eq)	SL	Herbicide	150000	Lit	Rain Fed Farmers/Local Market	DEC.2018
614.	Dicopur D 720 SL	2,4-D (acid eq)	SL	Herbicide	300000	Lit	Rain Fed Farmers/Local Market	DEC.2018
615.	Gaucho 600 FS	Imidacloprid	FS	Insecticide	11000	Lit	Cotton Farmers	DEC.2018
616.	Raxil 120 FS	Tebuconazole	FS	Fungicide	1480	Lit	Cotton Farmers	DEC.2018
617.	Gizmo super	Imidacloprid/Tebuconazole	FS	Seed Dressing	2000	Lit	Sorghum Farmers / Local Market	DEC.2018
618.	Concep iii 960 EC	Fluxofenim	EC	Insecticide	48	Lit	Local Market	DEC.2018
619.	Domacyper 10 % EC	Cypermethrin	EC	Insecticide	16000	Lit	Local Market	DEC.2018
620.	Devicyper 10% EC	Cypermethrin	EC	Insecticide	4950	Lit	Local Market	DEC.2018
621.	Gladator 36% SL	Glyphosate	SL	Herbicide	20000	Lit	Local Market	DEC.2018
622.	Midas 17.8% SL	Imidacloprid	SL	Insecticide	5000	Lit	Plant Protection Directorate	DEC.2018
623.	Domacyper 10 % EC	Cypermethrin	EC	Insecticide	16000	Lit	Local Market	DEC.2018



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624.	Nour , 4-d 720 SL	2.4-D (acid eq)	SL	Herbicide	432	Lit	New Halfa Agri.Coporati on	DEC.2018
625.	Nour , 4-d 720 SL	2.4-D (acid eq)	SL	Herbicide	34560	Lit	New Halfa Agri.Coporati on	DEC.2018
626.	Nour , 4-d 720 SL	2.4-D (acid eq)	SL	Herbicide	10008	Lit	Plant Protection Directorate	DEC.2018
627.	Nour , 4-d 720 SL	2.4-D (acid eq)	SL	Herbicide	8340	Lit	New Halfa Agri.Coporati on	DEC.2018
628.	Starthiram 25 DP	Thiram	DP	Fungicide	3000	Kg	Sorghum Farmers / Local Market	DEC.2018
629.	Sinomat 80SL	Omethoate	SL	Insecticide	20000	Lit	Vegetable Farmer	DEC.2018
630.	Goalan 24 EC	Oxyflurofen	EC	Herbicide	20000	Lit	Local Market	DEC.2018
631.	Sino .4-d 72 SL	2.4-D (acid eq)	SL	Herbicide	300000	Lit	Local Market	DEC.2018
632.	Glysino 360 SL	Glyphosate	SL	Herbicide	100000	Lit	Small Farmer	DEC.2018
633.	Glyphoherb 36% SL	Glyphosate	SL	Herbicide	2400000	Lit	Local Market	DEC.2018