



A Report on Household Pesticides of Bangladesh

Mansur Ahamed (Ph. D)

Research Department, JBBC Corporation



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Executive Summary

The report attempted to highlight the prospects and opportunities of household pesticides in Bangladesh. Like other economic sector in the country, pesticide is one of major sectors which contribute to the national economy. The report tried to brief country profile includes general information and main economic indicators, and specifies business environment for household pesticides market development in Bangladesh. The report also present profiles of leading producers and lists major suppliers in the country.

The report included detailed analyses of agrochemicals and pesticides market in Bangladesh, information on major producers, distributing companies, and buyers. The report also included foreign trade statistics within recent years. This will be provides our Clients with a clear understanding of household pesticides market in Bangladesh.

1. Background of the study

The use of pesticide has been increased 400% percent and its cost increased 600% during the last couple of decades. At present, 84 pesticides active ingredients belonging to 242 trade names have been registered in Bangladesh. Out of the total pesticide use, over 80% are used in rice fields and rest of them used for household and other purpose(parvin, 2004). Modern household life heavily depends on the use of pesticides and has successfully increased consumption .

Bangladesh is predominantly an agricultural country with an area of 147570 sq. km. Agriculture plays an important role in the lives of Bangladeshi people and more than 80% of its people engaged in agriculture.

Country profile in Bangladesh

GDP \$51 897 million	Agric. GDP: 22.7%	GNI per capita: \$1180	Hunger: 30%
FAOSTAT Pesticide Data	Export \$0.05 million	Import: \$18.5 million	Use: 6 340

GDP = Gross Domestic Product; GNI = Gross National Income; Hunger = Population below minimum energy requirement; FAOSTAT = latest data entry between 1998 and 2002

Source: Bangladesh Bureau of Statistics, 2013

In Bangladesh government gives 6 types of pesticide license. These are:

- 1) Formulation
- 2) Repack
- 3) Import
- 4) Wholesale
- 5) Retail
- 6) Pest Control

2. Available household pesticide products in Bangladesh

1. BAOMA
2. Black fighter
3. Mortein power guard
4. Mortein
5. Good knight
6. Allout
7. ACI
8. Finish
9. Xpel
10. Allout (Spray)
11. Zaps (paper)
12. Chalk
13. Finish powder
14. Finish ant kill powder
15. Super tray
16. Atraprat (Powder)

3. Pesticide utilities in Bangladesh at a glance

The pesticides become very popular to the households for two reasons; firstly, quick and visible effect on pest and secondly, no cost involvement. In 1974, the subsidy was reduced to 50% and in 1979 it was withdrawn completely (Islam, 2000). As a result at first pesticide uses declined and again gradually increased and in 1999 the amount reached 15000 metric tons. At present, 84 pesticides with 242 trade names have been registered in Bangladesh (PAB, 2000).

4. The supply chain pesticides marketing in Bangladesh

Chemical pesticides were introduced in Bangladesh with a great hope to protect the crops from pests. But their random and indiscriminate use has created a very serious health and environmental problems. Bangladesh does not produce any active ingredients, it only imports and formulates. The marketing channel of pesticides in Bangladesh consists of pesticide companies, distributors, wholesalers, wholesaler-cum-retailers, retailers and households. In Bangladesh, there are exist approximately 66 officially registered companies, 6 of them multinational multi-national companies. Distributors buy almost all of their products from pesticide companies. However, the pesticide companies also directly sell to wholesalers. Distributors, in turn, sell their products to the wholesalers-cum-retailers, retailers and households. Wholesalers sell to retailers as well as households. Retailers, in turn, sell their product to households, but households sometimes buy directly from the wholesalers. A simplified representation of these channels is presented in Figure 1.

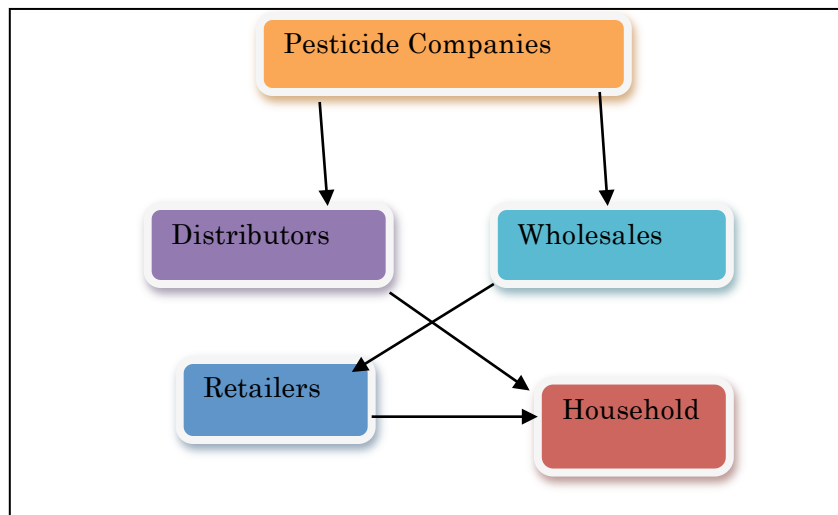


Figure: A simplified representation of pesticide marketing channels in Bangladesh pesticide Companies

5. Household Pesticides Market Overview in 2014 in Bangladesh

Product Type	Product Name	Quantity	Selling price for consumer (BDT)	Production cost (BDT)
Coil	BAOMA	1 Package	70	35
Coil	Black fighter	1 Package	35	15
Coil	mortein power guard	1 Package	32	15
BAT	mortein	45 ml	130	60
Bat	Good knight	45ml	125	60
Bat	Allout	45 ml	125	60
Aerosol	ACI	250 ml	150	70
Bat	Mortein	450 ml	250	120
Bat	Finish	475 ml	260	140
Bat	Xpel	250 ml	150	70
Cockroach	Allout (spray)	600 ml	350	160
Cockroach	Zaps (Paper)	35 gm	1050	500
Cockroach	Chalk	15 gm	23	10
Co	Finish powder	80 gm	38	15
Ant	Finish ant kill powder	100 gm	32	14
Rat	Super tray	1Package	125	50
Rat	Atraprat (powder)	1 Package	110	50

Source: Field survey June, 2014.

6. Pesticides company in Bangladesh

The Pesticide industry in Bangladesh is comprised of private companies and foreign companies. It is represented by an organization, Bangladesh Crop Protection Association. Total members of the

association are around 50. Pesticides are distributed through distributors.

7. Pesticide manufacture, use and trade in Bangladesh

Following the table we found that Bangladesh was imported 4000 tons pesticides and around 3650 tons pesticides were consumed in 2013. However, most of the pesticides (3600 tons) were being consumed by agricultural purpose and only 15 tons were being consumed by household.

<i>Pesticide Manufacture, Use and Trade</i>		
<i>Pesticide Volume</i>	<i>Tons</i>	<i>\$'000 Value</i>
Imports	4 000	76 000
Manufacture		
Exports		
Sales		
<i>Pesticide Use Profile</i>	<i>Tons</i>	<i>\$'000 Value</i>
Agriculture (total)	3 600	73 000
Insecticides	61%	59%
Fungicides	19%	25%
Herbicides	11%	10%
Other	8%	7%
Veterinary		
Public Health	20	1 000
Household	15	75 000

Other		
TOTAL	3 635	

Source: Bangladesh Bureau of Statistics, 2013

8. Major leading household pesticides Company, Product type, product name in Bangladesh

The major pesticide companies, product type, product name in Bangladesh are below:

Product Type	Product Name	Company Name	Produce/Import
Coil	BAOMA	BAOMA	China
Coil	Black fighter	ACI	
Coil	Mortein power guard	Rkt. & Ben.	
BAT	mortein	Rkt. & Ben.	
BAT	Good knight	Godrej	India
BAT	Allout	Baygon	India
Aerosol	ACI	ACI	Sumitomo (Japan)
Aerosol	Mortein	Rkt. & Ben.	
Aerosol	Finish	Standard co.	China
Aerosol	Xpel	Square pharma.	
Cockroach	Allout (spray)	Baygon	India
Cockroach	Zaps (Paper)		Korea
Cockroach	Chalk		
Cockroach	Finish powder	Standard Co.	China
Ant	Finish ant kill	Standard Co.	China

	powder		
Rat	Super tray	Standard Co	China
Rat	Atraprat (powder)		China

Source: Field Survey June, 2014.

9. Possibilities of the Household Pesticide Sector

There are huge possibilities of the household pesticide sector in Bangladesh. These are below:

- Household pesticide sector of Bangladesh has a great opportunity to become a major sector of the national economy. As we know that availability of a lower labor cost in Bangladesh to helps the pesticide industry to secure a very strong position in the world market.
- As a Least Development Country (LDC) Bangladesh has duty free access to global market for pesticide products. This advantage may accelerate expansion and growth of Bangladeshi pesticide industry.
- Bangladeshi pesticide products are being exported different countries. Its export is increasing gradually worldwide.
- Increasing labor cost all over the world day by day. However, Bangladeshi pesticide sector labor cost is comparatively cheap; as a result Bangladeshi pesticide products can be fulfilled global demand.

10. Conclusion

In brief, I tried to give you an overall idea of the pesticide registration, Country profile, available pesticide products in Bangladesh, major leading pesticide company in Bangladesh, and pesticide products supply chain management etc.

Household pesticides are commonly used around home environment and most of people appeared more willing to apply pesticides to control indoor pests. Finally we found that pesticides are more effective and convenient for killing pests at home than other method such as biological control.