



## A STUDY ABOUT MARKET STATUS OF NON DEGRADABLE SUBSTANCES

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**KEYWORDS:** Market Status, Non Degradable Substances, Environmental Problem, Pollution

### ABSTRACT

Our planet continues to relentlessly grow in population. Corresponding growth in waste products also occur which is responsible for pollution. In waste material presence of non bio degradable substances creates huge environmental problems impacting the entire planet. Recycling or use of bio degradable substances is a method to responsibly deal with this problem. Present study is focused on finding of market status of bio degradable substitutes.

### INTRODUCTION

The term biodegradable is used to describe materials that decompose through the actions of bacteria, fungi, and other living organisms. Temperature, sunlight and water may also play roles in the decomposition of biodegradable substances. If such materials are not biodegradable, they remain in the environment for a long time, and if these same substances are toxic, they may pollute the soil and water. Some non biodegradable pollutants may be capable of causing harm to organisms in the environment.

Biodegradable include food, fruits, vegetables, peel, tree leaves and grass clippings. Many communities now encourage people to compost these materials and use them as humus i.e., an organic-rich material in soil for gardening. Because plant materials are biodegradable, composting is one way to reduce amounts of solid waste that towns and cities otherwise have to dispose in landfills.

Materials having properties that do not breakdown or decay are called non biodegradable. Glass, metals, plastics, electronic devices, medical waste are non degradable substance. Non-biodegradable material waste creates more of a problem for society. Discarded computer parts, batteries, used motor oil and medical supplies all contain harmful chemicals. Society must devise

methods to encourage separation of these materials so they can be treated for reuse or safe disposal.

Scientists are working on biodegradable alternatives to non biodegradable products. Plastic decomposition has become research area of many scientists. In general, biodegradable polymers break down to form gases, salts, and biomass. We need to separate waste products into two major categories, biodegradable and non-biodegradable.

#### **OBJECTIVE OF STUDY**

Finding of market status of biodegradable substitutes of non biodegradable substances

#### **HYPOTHESIS**

There is no significant market status of biodegradable substitutes of non biodegradable substances.

#### **METHODOLOGY**

In present research report, data is collected through news papers, magazines and web sites. Market was surveyed for market status of non gradable products using self prepared questionnaire. Collected data was tabulated and analyzed using percentage tool.

#### **FINDING AND ANALYSIS**

**Table: Market Status of Non Biodegradable Substitutes**

<b>Non Degradable Substance</b>	<b>Bio Degradable Substitute</b>	<b>User in Market %</b>
Plastic	Bio Degradable Plastic	2
Detergent	Bio degradable Detergent	3
Polythene bag	Paper / Cloth bag	7
Insecticides	Bio Pharmacy	3
Fertilizers	Bio Fertilizers	6
Packing material	Papers	6

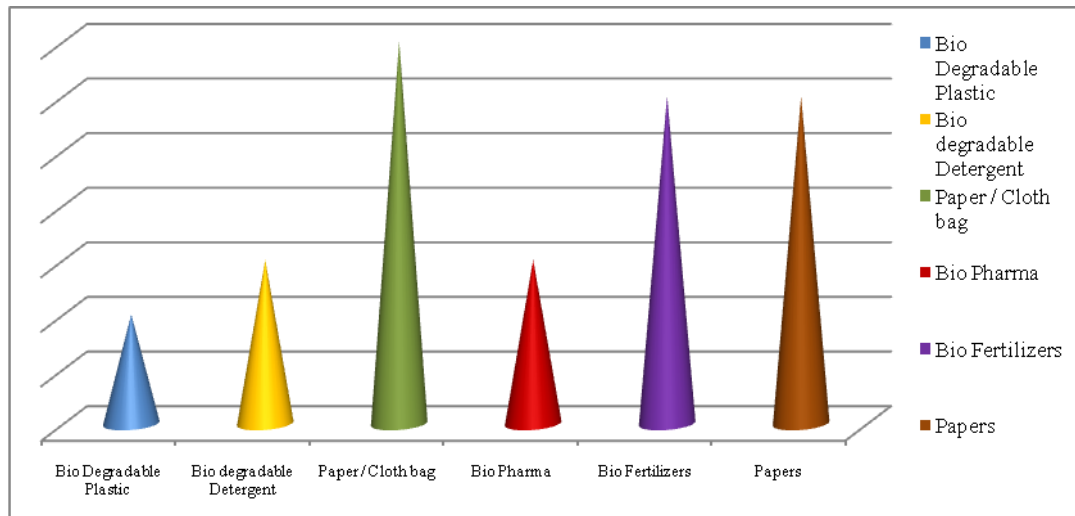


Chart: Market Status of Non Biodegradable Substitutes

Result shows that bio degradable plastic used 2%, bio degradable detergents used 3% only. Paper and cloth bags are using in place of polythene bag by 7%. Bio pharmaceutical is using replacing insecticides by farmers. Its market use is only 3%. Bio fertilizers are used by 6% farmers. In packing industry, non degradable substances are used which is replaced by papers and user are 6%. Thus hypothesis, there is no significant market status of bio degradable substitutes of non biodegradable substances is accepted.

### CONCLUSION

Awareness about bio degradable substances is less that's why user % in market is very low. More research in this matter is required. Use of non bio degradable substances should be avoided to protect environment then awareness for the use of biodegradable substances will generate and user % will increase. In case of some bio degradable substitutes market cost is higher that's why such substitutes are not much popular so cost control of these substances is necessary to make them popular.

### REFERENCES

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