



earthnest
now or never

SAY NO TO PLASTIC BAGS



WHAT'S THE PROBLEM WITH PLASTIC BAGS ?

1,60,000
PLASTIC BAGS
ARE USED GLOBALLY
EVERY SECOND!



PLASTIC BAGS CAUSE THE DEATH
OF MANY MARINE ANIMALS WHEN
THEY ARE MISTAKEN FOR FOOD

12
MINUTES

OF USAGE OF PLASTIC
BAGS 1000 YEARS OF POLLUTION!

ONLY **1 TO 3%**
OF PLASTIC BAGS ARE
RECYCLED WORLDWIDE.

AN AVERAGE FAMILY WILL USES
60 PLASTIC BAGS
ON FOUR VISITS TO THE SUPERMARKET

8MILLION
METRIC TONS OF PLASTIC
GOES INTO OCEAN

275
METRIC TONS
OF PLASTIC WASTE IS
PRODUCED ALL
AROUND THE WORLD

PLASTIC WILL ONLY START
DEGRADING AFTER **700 YEARS**
AND WILL ONLY FULLY DEGRADE IN

1000 YEARS

ABOUT US



Vision

Bringing disruptive Innovations to make planet earth a plastic bag free world



Mission

Save planet Earth from plastic bags, there is no planet B



What we do

Manufacturer & supplier of Bio Bags (100% plastic free)

Earthnest has the answer to the plastic bags pollution!!

Earthnest is one organisation helping consumers achieve a more sustainable future. The company produces sustainable bags and sheeting made from starch and other natural products. These products are 100 per cent plastic-free, containing no polyolefin plastic at all. This means their carbon footprint is lowered. It also means that they do not pollute the environment in any way. Left in the soil, they degrade completely in a few months, leaving no poisonous residue. And if an animal finds and eats one of these products before it has broken down, it won't be harmed as the products are made of completely natural and non-toxic ingredients.

Earthnest biobags are waterproof and oil resistant. Importantly, they also provide an oxygen barrier. These properties make them perfect for packaging food such as meat and vegetables. And because biobags are stronger than conventional plastic bags, they are also perfect for carrying shopping. Recycling is easy too. The biobags can be dissolved in water at 80°C (which means, of course, that they won't dissolve in a rain shower).

All in all, Earthnest's biobags have all of the advantages of plastic without causing any of the damage to our planet. And as they cost no more than plastic bags to manufacture, there seems little reason for them not to revolutionise the packaging and retail industries. Earthnest products (Bio Bags) are certified as Biodegradable by TÜV Rheinland (Germany) and UKAS (United Kingdom).

Together we can find the solutions and leave a better world for our children and our grandchildren.

OUR PRODUCT - THE BIO BAG (REPLACING PLASTIC BAGS)



I am 100% Plastic Free

Earthnest biobags are made up of natural extracts and contain no polyolefin plastic.



I am Eco Friendly

Biodegradable and compostable in nature and hence don't pollute the soil and ocean



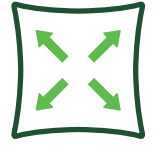
I am Safe for Animals

Safe if accidentally consumed by world's fauna in both land and marine habitats



I am Non Toxic

Packaging with Earthnest Bio Bags helps to prevent food spoilage and keep products fresh



I am stronger

Much stronger than conventional plastic bags.

WIDESPREAD USAGE IN DIFFERENT SECTORS



Consumer Sector

- Garment Bags (wrapping for textiles like shirts, t shirts, briefs)
- Retail Market (Supermarkets, restaurants, hotels, grocery stores)
- Shopping bags (Textile stores, pharmacies, jewellers, Stationeries)
- Trash bags
- Many more potential uses



Public & Private Sector

- Garbage/Trash bags in municipal offices, Govt offices, schools, public spaces
- Trash bags in Medical sector ex. Hospitals
- To NGO's for sanitary waste management and other social works

BIO BAG COMES IN DIFFERENT SHAPES & SIZES



ALL COLORS



SHOPPING BAG



CARRY BAG



GARBAGE BAG



I am Naturally Antistatic

Reduce or eliminate build-up of static electricity thus avoiding the effects of static electricity.



I can pack Food Items

Compostable bags are safe for food use and can be used for storing and transporting food items.



I am Oil Resistant

Earthnest Biobags will not absorb or be degraded by contact with oil or oil base products.



I am Compostable

Earthnest Biobags break down readily in a composting system through microbial activity to form compost.



I am affordable

The cost of production of Earthnest Bio Bags is similar to the conventional plastic Bags



Industrial Sector

- Automobile Manufacturing plants as primary packaging for dust and scratch proofing also in spare parts department
- Electronics goods packaging as (Electrostatic Discharge) ESD proof packaging
- Stretch Films for packing goods e.g. newlymanufacturedglass bottles



GROCERY BAG



INDUSTRIAL PACKAGING



ESD PROOF BAG



VCI PROOF BAG

FAQs

What is biodegradation ?

Biodegradation is the process by which organic substances are decomposed by micro-organisms (mainly aerobic bacteria) into simpler substances such as carbon dioxide, water and ammonia.

How long do the Earthnet bags take to biodegrade ?

While traditional Plastics products may take up to thousand years to degrade, Earthnest bags biodegrade within 3-6 months depending on where it is being disposed of.

Are oxo-fragmentable plastic bags same as biodegradable bags ?

Oxo-fragmentable bags are different from Earthnest biodegradable bags. Oxo-fragmentable plastic bags will only break down into smaller pieces over time but will not biodegrade or compost likewise; whereas Earthnest Bio Bags completely breakdown through biodegradation and turn to compost or manure that can be mixed with soil to promote plant growth.

What are the colors used in the bags ?

The colours used are natural dyes and are also antitoxic and environment-friendly. Biobags are 100% safely recyclable with no dangerous by-products.

How and where do we buy the bags ?

Bio Bags can be ordered through our website contact www.earthnest.life or channel partners across geographies.

Are these Bio bags more expensive than conventional plastic bags?

The cost of production of Earthnest Bio Bags is similar to the conventional plastic Bags

Are these bags soluble in water, will they dissolve in the rain ?

No. Earthnest Bio Bags are not soluble in water. So, they will not dissolve in the rain.

Are Ethese arthnest Biobags harmful to animals or nature?

No, they are not. They are completely anti-toxic and will not harm the animals or the environment.

What are these Earthnest bags made of ?

They are primarily made of vegetable starch like tapioca, corn etc along with some other natural extracts and resins and DO NOT contain polyethylene or polypropylene.

Where can we use the bags ?

Earthnest Bio Bags have widespread usage. We can use these bags in almost every avenue where plastic bags are being used.

- Super Markets
- Waste Disposal
- Food services
- Agriculture/horticulture
- Consumer electronics
- Automotive
- Consumer goods & household appliances
- Industrial Sector
- Any sector to replace plastic packaging

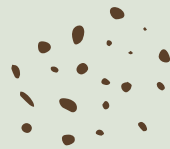
Are these Bio bags stronger than conventional plastic bags ?

Yes, much stronger than conventional plastic bags. Please refer to The Solution section on our website for more details.

WHAT'S THE DIFFERENCE

Compostable bags are made of plants material

It breaks down during the composting process into non toxic components



Biodegradable bags are **not compostable**. It does not completely dissolve in nature. It **contaminates environment** with **microplastics** that can end in foodchain.



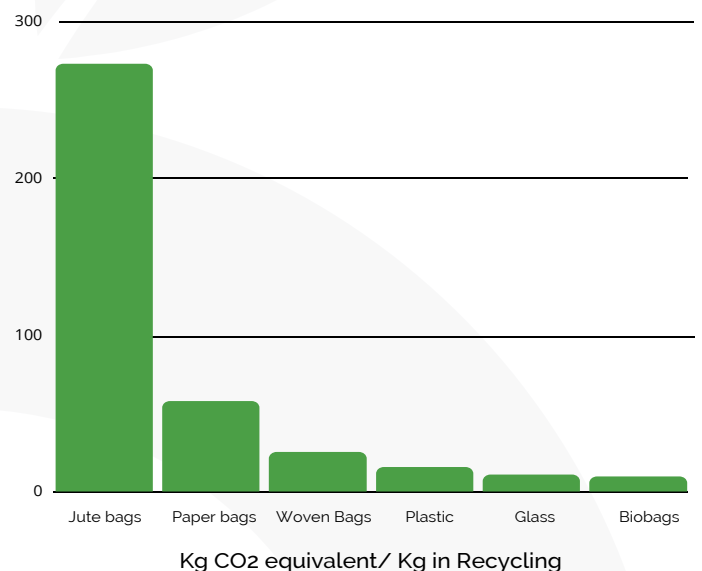
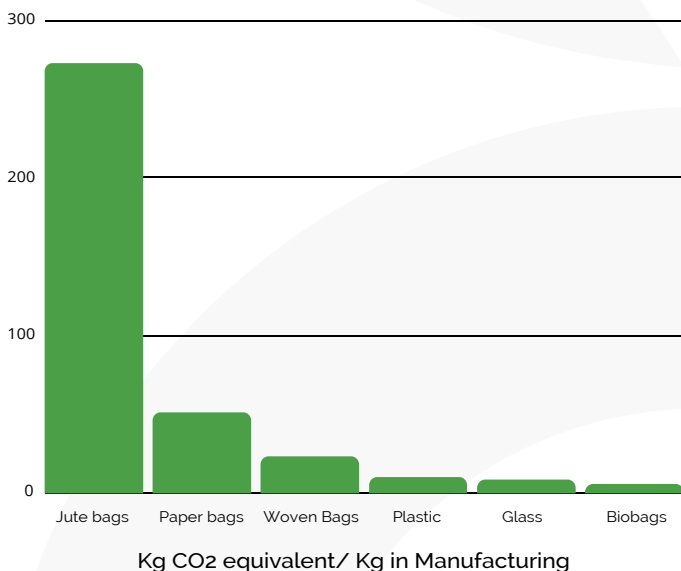
Plastic



Plastic **cannot dissolve in nature**. It **contaminates environment** with in different shape and form that can end in foodchain.

CARBON EMISSION

The following chart shows approximate amount of CO2 produced in manufacturing and recycling phases





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