

BioBag

BioBag bags and films replace plastic film – manufactured from Mater-Bi; the first family of bioplastics that use vegetable components such as GE (GMO) free cornstarch, vegetable oils and biodegradable polymer, all crops being of non-food origin (not for human consumption). Also some of these crops are grown for remedial land recovery. Many different grades of Mater-Bi are available for different applications they use renewable resources that have been modified with biodegradable polyesters and natural plasticizers. All grades are biodegradable and compostable and are continually being improved, resistance and strength is now very similar to plastic. **BioBag** products greatly reduce greenhouse gas emissions and save the consumption of energy and non-renewable resources completing a virtuous cycle: like in Nature, raw materials of agricultural origin, creating products fit for purpose, then returned to the soil.

BioFilm may be disposed of in home composts, worm farms, used in organic farm production, food contact and may be included in animal feed, even sea creatures can digest **BioFilm**. Decomposition rate depends on the level of bacterial activity; in quality compost 90% will have decomposed within 45 days (the international Compost Standard EN 13432 requirement is 6 mths) to carbon dioxide, water and organic humus with no polymeric or toxic residue. All **BioFilm** including the inks or dyes are fully international certified to the standards listed below.

BioFilm Range Includes

MaxAir – bin and compostable bag is the worlds leading user-friendly system for collecting food scraps and reducing organic waste otherwise sent to land fill. Bin ventilation allows the highly breathable bag to dry the contents by approximately 42% (by independent test) over one week and allow aerobic decomposition, minimizing odor, moulds and flies while still an effective barrier against bacteria and viruses. Hygienic; the MaxAir bin is easy to keep clean without the excessive use of detergents or water as with regular bins. The reduced contents, bag and all, can be placed in a green waste collection system or composted.



Bin Liners - compostable and biodegradable sizes to fit all bins commercial and domestic.

BioFilm – film and bags breath so will not sweat or trap gasses, ideal for keeping fresh food fresh. Notice the difference when storing fresh fruit and vegetables or that Christmas ham in the fridge. Research shows a marked reduction in bacterial and fungal growth when using BioFilm.

Carry Bags – promotion bags, carry bags, checkout and food bags comply with the food contact regulations. BioFilm features are important points of difference for companies keen to portray a caring image.

BioDog – It starts with a dog... and ends with clean parks. Compostable and biodegradable bags, safe, hygienic and a convenient way to follow your dog. A hole in the top can be used for closing the bag after use.

BioAgri & BioGarden - compostable and biodegradable film that can be laid using conventional machinery. Prevents weed growth removing the reason for herbicides and warms the soil ensuring early germination. BioAgri is permeable to moisture and gas so allows the soil to breath and prevents sweating. DEBIO & BFA certified for organic agriculture, after harvest the film can be left to degrade or ploughed into the soil were it would decompose before the next crop. Saving labor, time, plastic film disposal, costs of disposal and damage to the soil and the environment.

BioToi – A compact lightweight portable toilet with disposable bag liners. A convenient replacement for chemical toilets, hygienic (the bag covers the entire seat), no chemicals, no mess no cleaning no smell. The bags can be collected in a lidded bucket then buried or disposed of directly into any sewerage collection system; bags will also fit most other portable toilets.

BioGarden Bags – if these bags are included in your green waste then the bag will just compost along with the contents.

All BioBag bags and film including the inks or dyes are fully certified to many international standards including:

AS	Australian Standard AS4736-2006
BFA	Biological Farmers of Australia; Allowed Input 10539AI
NASAA	The National Association for Sustainable Agriculture, Australia, allowed Input
CEN	European Compostable Standard; EN-13432: 2000
AIB-Vincotte	Belgium OK Compost EN 13432; Nr S-i1, Nr S-i3 and Nr S-i4

	Belgium Printing Ink OK Compost EN 13432; Nr S-i2
	Belgium Home OK Compost EN 13432
VGS	European VGS; Nr S-i5 and Nr S-i6
DIN CERTCO/IBAW	German Biodegradable and Compostable EN 13432 and DIN V 54900
	German ASTM D6400 and Nr S-i7
BPI	Biodegradable Products Institute; USA ASTM D 6400
	USA Compostable Standard; D6400-99
	USA Composting Council; Nr S-US1
	USA California Law; SB 1749
Apple Certificate	Finland; EN 13432, Nr S-fi1
EK Certificate	Norway Safe for food packaging; EK Certificate Nr S-no1
NNAIS	Norway Recyclable into animal feed; NNAIS Nr S-no2
DEBIO	Norway Usable in Organic Production; DEBIO Nr S-no3
BPS	Japan Biodegradable Plastics Society; GreenPla

BioFilm is available from **Friendlypak** - exclusively biodegradable and compostable products, saving landfill, reducing waste costs and great for the environment. All **Friendlypak** products are also manufactured from renewable, sustainable resources and guaranteed not to last.

Some products can be viewed on

www.biobaganz.com

www.potatopak.co.nz

and soon all products will be on

www.friendlypak.co.nz

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