

# **BONNIE BIO<sup>®</sup>** **COMPOSTABLE**

**CERTIFIED COMPOSTABLE ALTERNATIVES**

## **PRODUCT CATALOGUE**

Part of the  family





## ABOUT BONNIE BIO

Bonnie Bio is a worldwide leading brand that manufactures a wide range of compostable products that are an environmentally responsible alternative to plastic products. We offer a range of compostable products that includes garbage bags in various sizes, drinking straws, gloves, cutlery and more for both home use and in business and commercial applications.

Our aim is to make a difference with our internationally certified compostable plastic alternatives which are all made from natural ingredients with no chemical additives to ensure non-toxicity and allow for complete composting and biodegradability.

Our products are designed to break down back into CO<sub>2</sub>, water and biomass, which are renewable resources and they don't leach any toxins into the ground whilst breaking down back into the earth.

## WHY BONNIE BIO?

Around 165 million tonnes of petroleum-based plastic has found its way into our oceans, with an estimated 8 million tonnes being added each year. Research shows that up to 50% of plastic is used only once and then thrown away and that we're only recycling 9% of the plastic we're using. Traditional petroleum-based plastic not only takes up to 500 years to decompose but also leaches toxic chemicals into the environment while decomposing. We are slowly ruining our planet and it's time to change this.

Bonnie Bio wants to make a difference. We believe that the use of our certified compostable products will contribute to the sustainability of the planet for our current and future generations by offering alternative options to petroleum-based plastics, without compromising the useful need for plastic-type materials. Our products are toxin-free and environmentally kind.



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HELP US CREATE A WAVE OF CHANGE



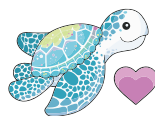
## CORN STARCH PLA PRODUCTS

As the name implies, our Bonnie Bio compostable products are made from corn starch. PLA (Polylactic Acid) is typically made from the sugars in corn starch, cassava or sugarcane. It is biodegradable, carbon-neutral and edible. To transform corn into plastic, corn kernels are immersed in sulfur dioxide and hot water, where its components break down into starch, protein, and fiber.

The starch is comprised of long chains of carbon molecules, similar to the carbon chains in plastic from fossil fuels. Biodegradable plastics take three to six months to decompose fully. That's much quicker than synthetic counterparts that can take several hundred years. Exactly how long a biodegradable product takes to break down depends on various factors, such as temperature, the amount of moisture and oxygen present.

## PRODUCT QUALITY

Put simply, you won't be able to tell the difference! Our Bonnie Bio corn starch compostable products deliver like no other and are just as durable as petroleum-based plastic but they decompose like paper. The best of both worlds and for our planet! Within 3-6 months, 90% of Bonnie Bio's certified compostable corn starch PLA plastic alternatives will decompose, without any toxins leaching into the earth. Our products look, feel and deliver like traditional plastic, without the lengthy decomposition rate.



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## COMPOSTABLE vs BIODEGRADABLE:

### What is the Difference?

The term '**Biodegradable**' often refers to plastics to which additives were added, for it to more rapidly disintegrate in landfill or natural environments. However this process can still take many years but what is more troubling is that it leaves toxic residue or micro-plastics in the environment, posing a danger to humans and animals.

'**Composting**' on the other hand, is a form of waste disposal where an organic material is able to decompose naturally under oxygen and microbe-rich conditions and back into natural elements such as biomass, water and CO<sub>2</sub> without leaching any toxins into the environment during the decomposition process. The benefit of this is that not only does the material not end up in landfill but when turned into compost, can help fertilise plants and vegetation.

Thus it holds true that Bonnie Bio's certified 'Compostable' products are significantly better and more environmentally friendly than other similar competing 'Biodegradable' products.



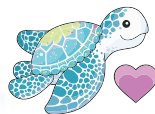
## COMPOSTABILITY STANDARDS

There are different compostability standards to help you determine the necessary conditions required for products to decompose as well as how long you can expect it to take. In Australia, there are two standards for compostable products: **AS 4736 for Industrial Compostability**; and **AS 5810 for Home Compostable**.

In Australia, for a plastic material to be certified as compostable, it must comply with the **AS 4736-2006** standard. This standard provides the criteria against which plastics materials that are to be biodegraded in **industrial** anaerobic composting facilities, are assessed. Industrial composting facilities are able to process organic waste at high temperatures that cannot be replicated in the home (50°C or higher), thus accelerating the rate at which the waste decomposes. Therefore, just because something has been certified for the AS 4736-2006 standard, does not mean it will decompose in the same way in a home compost system!

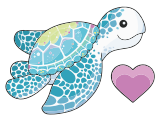
For a plastic material to be certified to the **AS 5810-2010** home compostability standard, it must undergo stringent testing conducted by recognised and accredited third-parties. Due to the differences between a home compost system and industrial compost facility, the testing period for this standard is a maximum of 12 months however, the end results remain the same as the AS 4736-2006 standard. That means a minimum of 90% biodegradation, no toxic effect to compost, plants and earthworms and materials should contain more than 50% organic material.

The **AS 5810-2010** standard is preferred as industrial compost facilities are still uncommon, therefore it is best to ensure your product can be disposed of easily in the home.



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# COMPOSTABLE DOG POOP BAGS & MULTI-PURPOSE BAGS

Our Bonnie Bio compostable dog poop bags & multi-purpose bags are a great alternative to plastic bags and are ideal for picking up after your **pet** and for **home use** including the disposal of organic **food** and **kitchen** waste.

These bags break down due to being exposed to oxygen, heat, UV light and microbial activities. When these bags **decompose**, they create carbon dioxide, biomass and water, which all present no danger to the environment. No toxins are leached into the surrounding soil whilst decomposing making it safe for our environment. The ink used to print on these bags is a **soy-based ink**.

## FEATURES:

- **Made from Corn Starch**
- Perforated rolls for easy tearing
- Bags supplied on an inner core roll for use with park dispensers
- Easy to store and carry
- 100% home compostable & toxin free
- Natural product with up to 9 month shelf life

## DOG POOP T-SHIRT BAGS



**2 LITRE**



### 2L Compostable Dog Poop Bags

Part No: **BB-DOG-9**

- Box contains 9 single rolls
- Each roll contains 225 perforated bags
- Bag volume: 2L
- Bag size: 205mm + 60mm (x2) x 395mm x 18 microns
- Tie-up handles for easy use and disposal
- Great for Local Council Park Dispensers

## MULTI-PURPOSE BAGS



**2.5 LITRE**

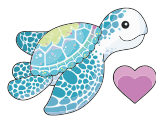


### 2-2.5L Compostable Multi-Purpose Bags

Part No: **BB-2.5L-48**

- Box contains 48 single rolls
- Each roll contains 15 perforated bags
- Bag volume: 2-2.5L
- Bag size: 230mm x 330mm x 18 microns
- Can also fit conveniently inside small handheld Dog Poop Bag Dispensers





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# COMPOSTABLE RUBBISH BAGS & BIN LINERS

Our Bonnie Bio compostable rubbish bags and bin liners are a great alternative to plastic bags and are ideal for use in bins in **kitchens, homes** and **work/office** areas, as well as for larger garbage wheelie bins. Suitable for both **indoor** and **outdoor** use.

These bags break down due to being exposed to oxygen, heat, UV light and microbial activities. When these bags decompose, they create carbon dioxide, biomass and water, which all present no danger to the environment. **No toxins** are leached into the surrounding soil whilst decomposing making it safe for our environment.

## FEATURES:

- **Made from Corn Starch**
- Perforated rolls for easy tearing
- 100% home compostable & toxin free
- Printed on one side with dark green soy-based ink
- Natural product with up to 9 month shelf life

### 30 LITRE



#### 30L Compostable Bin & Rubbish Bags

Part No: **BB-30L-45**

- Box contains 45 single rolls
- Each roll contains 15 perforated bags
- Bag volume: 30L
- Bag size: 250mm x 150mm (x2) x 570mm x 22 microns
- Suitable for Food Waste Kitchen Caddies



### 60 LITRE



#### 60L Compostable Bin & Rubbish Bags

Part No: **BB-60L-24**

- Box contains 24 single rolls
- Each roll contains 15 perforated bags
- Bag volume: 60L
- Bag size: 327.5mm x 163.75mm (x2) x 805mm x 23 microns

### 80 LITRE



#### 80L Compostable Garbage Bags

Part No: **BB-80L-20**

- Box contains 20 single rolls
- Each roll contains 10 perforated bags
- Bag volume: 80L
- Bag size: 480mm x 185mm (x2) x 1045mm x 23 microns

### 120-140 LITRE

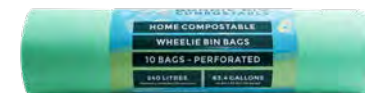


#### 120-140L Compostable Garbage & Wheelie Bin Bags

Part No: **BB-120/140L-10**

- Box contains 10 single rolls
- Each roll contains 10 perforated bags
- Bag volume: 120-140L
- Bag size: 455mm x 227.5mm (x2) x 1320mm x 22 microns

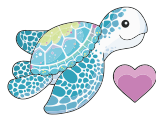
### 240 LITRE



#### 240L Compostable Garbage & Wheelie Bin Bags

Part No: **BB-240L-9**

- Box contains 9 single rolls
- Each roll contains 10 perforated bags
- Bag volume: 240L
- Bag size: 570mm x 285mm (x2) x 1400mm x 30 microns



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# COMPOSTABLE DISPOSABLE GLOVES

Our Bonnie Bio compostable gloves have the **same look, feel and strength** of plastic gloves, whilst being environmentally friendly. Once you use our gloves, there's no going back! Ideal for **food preparation**, catering, serving food, hospitality, home, kitchens & much more.

These gloves break down due to being exposed to oxygen, heat, UV light and microbial activities. When these gloves decompose, they create carbon dioxide, biomass and water, which all present no danger to the environment. **No toxins** are leached into the surrounding soil whilst decomposing making it safe for our environment.

## FEATURES:

- **Made from Corn Starch**
- 100% home compostable & toxin free
- Printed on one side with dark green soy-based ink
- Ambidextrous use on either hand
- Natural product with up to 12 month shelf life
- Retail box has perforation design for easy dispensing

### MEDIUM



#### Medium Size Compostable Disposable Gloves

Part No: **BB-GLOVE-M-24**

- Carton contains 24 boxes of gloves
- Each box contains 100 individual gloves (50 pairs)
- Glove size: Medium (M)
- Dimensions: 280mm x 230mm x 20 microns
- Colour: Transparent

### EXTRA LARGE

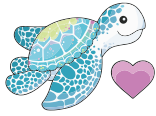


#### XL Size Compostable Disposable Gloves

Part No: **BB-GLOVE-XL-24**

- Carton contains 24 boxes of gloves
- Each box contains 100 individual gloves (50 pairs)
- Glove size: Extra Large (XL)
- Dimensions: 305mm x 260mm x 20 microns
- Colour: Transparent





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# DOG POOP BAG DISPENSER



# BB-DOG-DISP



**WORKS WITH  
MULTI-PURPOSE BAGS**



**2.5 LITRE**

**2-2.5L Compostable  
Multi-Purpose Bags**

# BB-2.5L-48

# OUR COMPOSTABLE RANGE



**\* DISCLAIMER:** Please check your State's legislation regarding the use of compostable products.