

Superfly[®]



Indoor Plants



Flowers & Roses



Veggie Patches



Grasses & Lawns



Fruit Trees



Native Plants

All Purpose Organic Fertiliser and Soil Enhancer

Superfly is a balanced organic fertiliser & soil enhancer with quick and slow-release nutrients for healthier, more resilient, and faster growing plants.

Superfly is made from 100% black soldier fly castings & exoskeletons... yup, that's right, it's fly poo!

But this is not just any old insect excrement. It's made by diverting food waste from landfills and blending it into the perfect diet for our billion-strong army of clever bugs, and they turn it into a probiotic superfood for plants. Winner!



Improves soil health

Contains millions of bio-diverse microbes and feeds worms to build healthy, resilient living soils



Boosts natural plant defences

Helps protect against root rot, pathogenic fungi and nematodes and activates plant defenses against insects



Enhances growth

Accelerates plant growth with a balance of fast and slow-release nutrients, calcium and 10+ trace elements.



Increases water holding capacity

Improves soil structure to increase water holding capacity to 170% and promotes deeper roots.



Suitable for all soil types

Neutral pH, low in salt and high in humic acid to benefit all soil types, including clay.



Sustainable

Every tonne of Superfly fertiliser offsets 5 tonnes of CO₂e emissions.

Nutrient Analysis

Nitrogen (N)	3.5%
Phosphorus (P)	1.9%
Potassium (K)	2.1%
Sulphur (S)	0.4%
Calcium (Ca)	8.6%
Magnesium (Mg)	0.7%
Iron (Fe)	0.2%
Manganese (Mn)	0.0424%
Zinc (Zn)	0.031%
Copper (Cu)	0.0045%
Boron (B)	0.00144%
Molybdenum (Mo)	0.00018%
Silicon (Si)	0.084%
Cobalt (Co)	0.00014%
Carbon (C)	41.5%
Organic Matter	70.50%



Superfly Organic Fertiliser & Soil Enhancer is made in a world-class vertical farming system in Melbourne, transforming food waste into fertiliser and protein with insects.

70% of food wastage occurs before we see food on our plate, and most usually ends up in landfill. When food goes to landfill and rots, it produces methane - a greenhouse gas 80x more potent than carbon dioxide.

Bardee turns food waste into a perfect feed for black soldier fly larvae. This process stops food waste from ending up in landfill, and uses no additional water. Over 7 days, the insects consume 100% of the food waste, growing 3,000x in size, and producing 1.5x their weight in a high quality, all natural fertiliser and soil enhancer, which we call, Superfly!

By choosing Superfly over mined or chemical fertilisers, you are helping to reshape the global food system, recycling the nutrients and beneficial microbes from food waste back into your soil, naturally.

For every kilo of Superfly you use, you are helping to offset CO2e emissions. From us, the planet, and your plants...



Thank you!



Contact Us

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Superfly fertiliser can be packaged as a standalone product or blended.

Bardee can custom blend to your specifications.

Superfly fertiliser is available in 5kg bags, or pelletised in 7.5kg bags. Bulk supply is also available.

Superfly is a highly versatile organic fertiliser and soil enhancer, suitable for use in applications from indoor plants, to home gardens, to broadacre crops and food production.

- Gardens
- Hydroponics
- Pasture
- Lawns & Turf
- Golf Courses
- Sports Grounds
- Roses
- Fruit trees
- Landscaping
- Indoor plants
- Schools
- Councils

Visit the [Bardee Blog](#), or follow the QR code to view the full 76 page Literature review which has all our trials, independent lab analyses and more.



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How to use:

These are general guidelines. Please adjust application rates for specific use.

On the field

Golf, turf & lawns

- Broadcast: 250kg per hectare or 2.5kg per 100 square meters.
- Lawns: Apply in Spring and early Autumn.
- Ovals: Apply 200kg per hectare or 2kg per 100 square meters.
- Golf Tees:
 - Spring to Autumn: Every 4-6 weeks apply 2.5kg per 100 square meters.
 - Autumn to Winter: Every 4-6 weeks apply 3-4kg per 100 square meters (or apply twice at half rate).

On the farm

Horticulture, Viticulture & Hemp

- Apply 500kg per hectare OR 5kg per 100 square meters.
- Spread with a fertiliser or compost spreader.

Fruit trees (all types)

- For young trees, apply 300g in Spring and Autumn, and water in.
- For mature trees, apply 600g in 10cm holes across the root area of the tree, in Spring and Autumn, and water in.

In the garden

Flowers, vegetable beds and garden beds

- Apply 50g per square metre (approx 5 handfuls, or 2/3 cup) and water in.
- Gently incorporate into the soil for best results.
- After planting, top dress by sprinkling a thin layer above root zone.
- Re-apply every six weeks during growth season.

Roses

- Apply 50g per square metre, starting a minimum of 10cm from the base of the plant, then water in.
- Re-apply every 6 to 8 weeks from Spring until mid-Autumn.

Acid-loving, and Australian indigenous plants

- Apply 25g per square metre, or 35g for fast-growing plants, starting a minimum of 10cm from the base of plant, then water in.

Indoor plants & Potted plants

- Sprinkle a thin layer leaving a small clearance around the stem of the plant and water in.
- Re-apply as a top dress every six weeks.

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What is Superfly?

Superfly is a fertiliser made from insect manure. Black soldier fly & their larvae are a non-pest species, and Superfly is made from their castings (poop!)

How is Superfly made?

- In our vertical farming system, larvae are fed a diet of food waste, which they consume over 7 days, growing 3000x in size.
- Once have consumed 100% of the food waste, they're ready for harvesting and are separated from their castings.
- The insects are processed separately into a high quality protein ingredient for pet food, & animal feed.
- The castings are processed to become 'Superfly' which also includes the exoskeletons of the larvae - these exoskeletons contain high levels of chitin which is a natural superfood for plants.

Why is it good for the planet?

When food goes to landfill and rots, it produces methane – a greenhouse gas 30x more potent than carbon dioxide.

Bardee turns food waste into a perfect feed for black soldier fly larvae. These larvae transform food waste into Superfly, our high-growth organic fertiliser.

This process uses no additional water and is able to offset 2.5 tonnes of carbon emissions for every tonne of food waste processed.

Why are so many microbes a good thing?

Microbes in soil are incredibly important. While our naked eye fools us, there's a complex ecosystem of microorganisms in our soil that perform several functions to make it possible to grow things.

Importantly, microbes improve plant nutrition, break down residues, and stimulate plant growths, among many other roles!

More microbes in the soil means that soil health is better maintained and plant performance is improved.

What is Chitin?

Chitin is a naturally occurring component of black soldier fly larvae exoskeletons and one of the key ingredients in Superfly. It enhances the ability of plants to survive in times of heat or cold stress and drought.

It can give plants the ability to grow with less water, accelerate growth and germination, and improve the quality of flowers and fruit, by triggering plants natural defenses to ward off insect attack.

How is it 'All Purpose'?

Superfly is like that friend that gets along with everyone. With its neutral pH, low salt concentration and high humic acid concentration its suitable for all soil types, including clay.



Where can I learn more?

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