



The Good Worm Juice

USAGE INSTRUCTIONS **BIG BIO® LIQUID**

BIG BIO® is a water based, concentrated bio-fertiliser that can be diluted with water depending on the application. It contains soil microbes, enzymes and plant growth hormones. No wonder the soil loves it?

Application	Dilution rate	Application rate	Notes	ml per 10L watering can
Urban gardens, veggies & flowers	1 part BIG BIO to 40 parts water, up to 1 part BIG BIO to 80 parts water (1:40 - 1:80)	1L of diluted liquid per 4 sq metres. Apply weekly.	Rate depends on soil quality, frequency of application, and how established the plants are. See notes for more info.	Between 125ml and 250ml
Lawns, sports ovals etc	1:40 – 1:80	1000L diluted liquid per 1 hectare. Apply fortnightly - monthly	When using sprayers or irrigation systems, use a nozzle size greater than 200 microns, applied at a low pressure.	n/a
Native shrubs & trees	1:40	Apply monthly	This product is low phosphorus and therefore ideal for natives. Best applied on already well irrigated soil.	250ml
Indoor plants	1:40	Apply monthly	Spray into pot and over foliage.	250ml
Fruit Trees	1:40	Apply monthly	Apply as a foliar spray. See further notes for tips.	250ml
Broad acre & cropping	1:40-1:80	1000L (diluted) per hectare = 1L per 10 square meter	Dilution rate can be decreased over time (less BIG BIO added to water), as soil biology is established. Dilution rate can also be decreased as the crop matures	n/a
Seedlings	1:40	Apply weekly.	Apply as a soil drench at planting. Once germinated, use as a foliar spray weekly for first few weeks.	250ml
Seeds	1:40	Soak for up to 24 hours, depending on seed type.	Dilute BIG BIO in a container and add seeds so that they are immersed in the liquid. Keep in a dark area.	n/a

FURTHER NOTES:

For best results, dilute with untreated rain water.

We recommend applying diluted BIG BIO with a back-pack sprayer. If using a watering can, use a rain-head for better control of liquid. **Avoid using containers that have been previously used for chemicals.**

When using as a foliar spray, spray to the point of run-off. Concentrate on the underside of leaves. For applications on turf, apply late afternoon, for flower and foliar spraying best early morning. Best to avoid applying in middle of the day especially hot days. Always make sure spray packs are clean of any chemicals or toxins.

Application rates are a guide to achieve best results, depending on current fertiliser program. Dilution and application rates can be increased or decreased. For example, a well maintained soil with good existing organic matter and biology will need less application at a lower dilution rate. Seedlings are best started off at a higher dilution rate, and this can be decreased as the plant matures. Application over large areas, such as broad acre properties, dilution rates can be up to 1-part BIG BIO to 100 parts water.

Please talk to us if you have a specific application purpose, and we will work with you to develop the best application schedule. NOTE: If your plants require acidic soil, this product may not be suitable as it will neutralise soil pH.





The Good Worm Fertiliser

USAGE INSTRUCTIONS **BIG BIO®** CASTINGS

Castings are a solid bio-fertiliser product, rich in microbial life, enzymes and plant growth hormones.

Application	Application rate	Notes
New garden beds	Blend / mix with a good quality compost (rate 10 compost: 1 castings) and turn into the top 50mm of the soil in your garden bed.	For best results cover with mulch and water in well.
Established gardens	Apply two large handfuls (approx. 1L) per square metre.	Lightly work into the soil if possible. For best results cover with mulch and water in well.
Trees	Apply two large handfuls (approx. 1L) per square metre.	Apply out from the trunk to the canopy line. Avoid applying directly around trunk. Cover with mulch and water in well.
Seedlings/potting	Mix at 1:10 with a good quality potting mix.	For a 25L bag of potting mix, blend approx. 2L of castings into the mix. Benefits include better root growth and better water / moisture retention in pots.



NB. For videos on product application and further references go to <http://www.circularfood.com/technical>