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Since 1987, Terra Firma Fertilisers has specialised in the manufacture of organic and organic based fertilisers to suit the needs from the budding gardener to the commercial grower.

We are a family owned 100% Australian Made business and are proud of our products and pride them on being the best quality, and of great value to our growers.

Our products are available in loose bulk, bulk 1 tonne bag, 25kg, 15 & 5kg sizes.

Our fully composted, premium poultry manure base is the foundation of our entire range. Composted fully undercover this biologically activated organic base, rich in readily available nutrients, supplies a wide variety of minerals and organic microbe foods to your plants. Available in Pellets, Granules & Fines, this product is a BFA/ACO Certified Organic Allowable Farm & Garden Input.

Mulching helps keep the soil temperature consistent. It helps with weed control and can stop weed seeds from germinating. Mulching helps stop erosion, and most importantly, mulching with organic mulches you are adding organic matter (carbon) to your soil, which then improves soil structure & drainage promoting a better environment for worms & microbes.

However, there is a catch with organic mulches, you need to fertilise with a slow release form of Nitrogen, for the mulch to break down. The microbes need Nitrogen to help break down (or compost) the mulch, if there is no added Nitrogen, microbes pull it from the soil which can then starve the plant. This is called Nitrogen Draw Down.

Carbon Is The Food, Nitrogen Is The Energy!! To avoid this, mulching should always be seen as a two step process; Fertilise then Mulch using Terra Firma's Poultry Manure Pellets or Terra Firma's Blood & Bone Pellets.

Fertilise with Terra Firma products such as Grassmaster® at 75kg per acre and Lime Impact at 75kg per acre. (This will assist the pH, add available calcium and aerate the soil). Growers wanting a 100% organic method would use Terra Firma Poultry Manure Pellets at 150kg per acre.

Wire mesh, a mesh gate or even concrete mesh are all items that can be used for this. Attach behind your ride on, or small tractor mower and drive around this paddock to break up manures.



APPLICATION RATES

Home Garden

150g - 300g per square metre in the vegetable garden and around established shrubs. Suitable for use on natives at lower rates.

Commercial Vegetables & Vine Fruit Production

500 - 2500kg/Ha as a pre-plant application depending on the type and quantity of other soil inputs.

Tree Crops

250 - 500kg/Ha depending on age of trees or 500g per tree for each year of the tree's age, up to 4kg. Apply under trees with more around the drip line. Apply in Spring and Autumn.

Broad Acre Crops

75kg - 150kg/Ha in the furrow with the seed as a biological activator.

Pasture

200 - 1000kg/Ha after grazing in Winter. Over Winter the pellets will incorporate in the top soil and help initiate greater biological activity increases growth in Spring.

Nitrogen (N)	3.78%	Iron (Fe)	4013mg/kg
Phosphorous (P)	2.11%	Manganese (Mn)	634mg/kg
Potassium (K)	2.93%	Copper (Cu)	167mg/kg
Sulphur (S)	0.55%	Zinc (Zn)	410mg/kg
Calcium (Ca)	4.08%	Boron (B)	54.5mg/kg
Magnesium (Mg)	870mg/kg	Molybdenum (Mo)	13.53mg/kg
Silicon (Si)	1334mg/kg	Cobalt	2.68mg/kg
Carbon (C)	36.90%		

Application Guide when Mulching

Category of Organic Mulch*	Application Rate per m2		Range of Carbon : Nitrogen Ratios in Mulches
	Terra Firma Poultry Manure Pellets	Terra Firma Blood & Bone Pellets	
Lucerne Mulch, Garden Waste (weeds, prunings, lawn clippings etc).	200g	150g	< 30: 1
Dry Leaves, Sugar Cane Mulch, Straw, Hay, Course Compost, Fine Ground Green Waste	300g	200g	>30:1 to 100:1
Shredded paper, Tea Tree Mulch	400g	250g	>100:1 to 200:1
Cardboard, Coarse Bark, Cypress, Slash Pine Bark, Wood Shavings, Sawdust	500g	300g	>200:1

*Organic mulches can reduce soil pH over time, add Terra Firma Lime Impact at 200 g/m2, twice yearly.