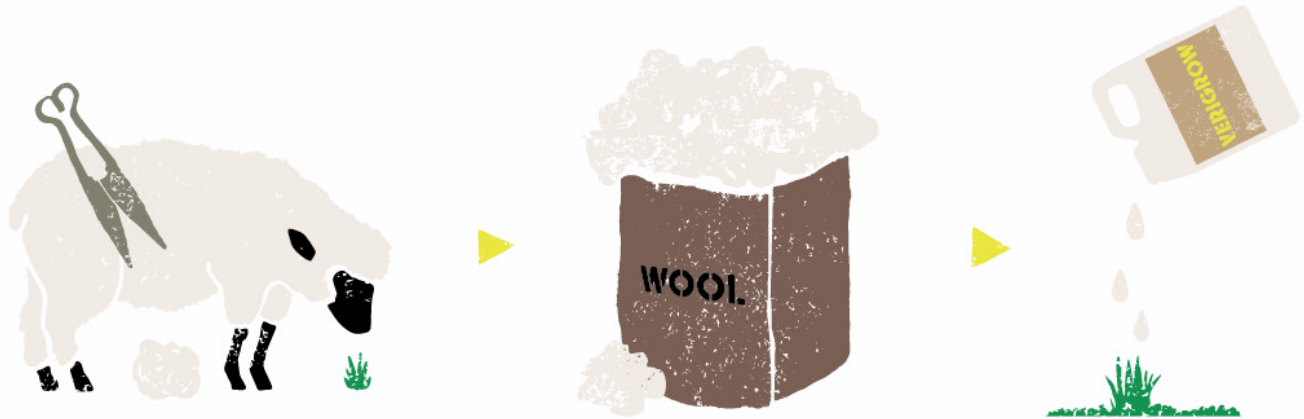


# VERIGROW

Verigrow is manufactured by Veratin Limited, an Australian publicly listed company. It is an innovative all-purpose fertiliser and soil improver made using 100% Australian low grade wool. Wool is a sustainable and rich source of amino acids. More than 75% of wool is made of amino acids. Verigrow contains an organic (from amino acids) and an inorganic source of nitrogen (12% w/v total N). The inorganic nitrogen provides an immediate source of nitrogen while the organic nitrogen provides a slow release and longer lasting effect. You can use Verigrow on anything and everything including lawn, fruit trees, vegetables, flowers, natives, herbs and more.



## Benefits of amino acids

Amino acids are the building blocks of life. The benefits of amino acids for plants are numerous and have been studied by several research groups over the years. The summary below is extracted from peer-reviewed scientific articles, but is by no means comprehensive. If you would like to learn more, we have included references at the bottom of the page.

Amino acids help plants **combat stress, improve flowering, increase root mass, activate natural defence mechanisms in plants, and enhance photosynthesis** by increasing the chlorophyll concentration. They also **promote nutrient absorption** and **stimulate the essential metabolic activities in the plant**. Most amino acids are also charged enabling them to attract water molecules and therefore help with water retention.

Amino acids are valuable feedstock for microorganism and are biodegradable via natural pathways. They **improve the beneficial microflora** in various ways, such as, by strengthening the outer walls, allowing them to withstand harsher conditions. Happier, stronger microbial colonies help produce better nutrient uptake, as well as a more extensive and healthier root system that can fight diseases and maintain effectiveness in adverse environmental conditions.

It takes energy for plants to synthesise the amino acids required to create those cells using primarily nitrogen, phosphorus and potassium (NPK) from fertilisers. This happens either directly by incorporating such elements in the amino acid structure (e.g. nitrogen) or indirectly by exploiting such elements to activate enzymes (e.g. potassium) or build the energy currency of cells (e.g. phosphorus). The presence of amino acids in Verigrow therefore negates the need for high levels of NPK fertilisers. Providing plants with supplementary amino acids save plants energy, which they can utilise elsewhere. This helps maintain not only vigorous growth but pest and disease resistance as well.

## AMINO ACID-RICH, WOOL-DERIVED LIQUID FERTILISER AND SOIL IMPROVER

The next generation is here... Verigrow is a revolution in plant nutrition — an innovative all-purpose fertiliser and soil improver all-in-one, derived from low grade wool and rich in amino-acids: the building blocks of plant growth.

Developed by PhD Chemist, Dr Ramiz Boulos, Verigrow is rich in amino acids (the building blocks of all plants). Plants require far less NPK applications if amino acids are provided. By absorbing amino acids directly, energy, usually used to synthesise amino acids, is redirected to growing and protecting the plant.

Independent studies have shown that Verigrow is significantly better than a market leading liquid fertiliser in improving various plant health parameters.

Independent studies have shown that Verigrow is significantly better than a market leading brand in improving various plant health parameters. These parameters include biomass, plant height, root mass and Normalized Difference Vegetation Index (NDVI) (an indicator of the vegetation greenness). The study found Verigrow was 2 to 5 times better than the market leading brand in every parameter measured.