

## Scientific References: The Facts

In WA and SA scientists have shown that Kaolin clay out-performs Montmorillonite clays in overcoming water repellence<sup>1</sup>. Montmorillonite clays (commercially known as Bentonite), are not naturally found in soils and are used by farmers to line dams. Kaolin clay, however, has a great affinity to water<sup>2</sup>, and more easily releases water and nutrients to plants. Montmorillonite clay will never hold humus in the soil; and with a content of over 3% in soils has been shown to depress growth<sup>3</sup>. The addition of Zeolite and Spongolite causes an insignificant increase in CEC capacity of soil (Gilkes UWA) and are not beneficial to the texture of the soil. These product's particles are large in size and also do not retain humus in the soil.

Don't be led astray. A genuine clay product will have a minimum of 40% by weight of clay chemistry particles below 2 micron. Clay chemistry can exist with a larger particle size, but not as effective. If you can feel sand or see sand, it will not be clay, just sold as clay. Make sure the tests results are to Australian Soil Standards.

**Soil Solver® Clay Plus Minerals** is the only product on the market that can prove a chemistry of 99% kaolin clay; and is the only product that meets Australian Standards in particle size for gardening purposes.

- 1 *The influence of clay type on reduction of water repellence by applied clays: I McKissock, E L Walker, R J Gilkes, D J Carter*
- 2 *Effect of kaolinite and Ca-montmorillonite on the alleviation of soil water repellence. P. Dlapa<sup>1</sup>, S.H. Doerr<sup>2</sup>, L. Lichner<sup>3</sup>, M. Šír<sup>4</sup>, M. Tesar*
- 3 *Properties of soil kaolinites from south-western Australia B. SINGH, R. J. GILKES*  
<http://www.soilhealth.segs.uwa.edu.au/index>

# Soil Solver®

THE ANSWER LIES IN THE SOIL™

## Permanent solution to sandy soils

- Reduces watering of lawns and gardens ✓
- Significantly increases soil fertility ✓
- Permanently cures water repellence ✓
- Increases beneficial soil organisms ✓
- Reduces leaching of nutrients ✓
- Lawns are greener and more lush ✓
- Blooms are bigger ✓
- Vegetables are more nutrient rich ✓
- Slows degradation of organic matter ✓
- Includes all trace elements plants need ✓

Calcium enhanced kaolin clay and silt with Magnesium, Potassium, Sulphur, Manganese, Iron, Zinc, Copper, Cobalt, Molybdenum, Phosphorous and Boron.

Clay	Silt	Course Silt	Clay Chemistry
0 - 2 micron 450 Kgs/ton	2 - 20 micron 250 Kgs/ton	20 + micron 300 Kgs/ton	99%

Recommended usage per square metre  
**10kg+ Clay Plus with 10ltrs Compost**

Visit our website for more information  
and order your free home delivery

0427 351 473 • [sales@soilsolver.com.au](mailto:sales@soilsolver.com.au)

[www.soilsolver.com.au](http://www.soilsolver.com.au)

# Soil Solver®

THE ANSWER LIES IN THE SOIL™

Give your soil all of nature's building blocks



## Clay Plus Minerals

Permanently turns sand into fertile soil



## Compost Plus Minerals

To help the Clay Plus minerals work



## Rock Minerals

Give your fruit trees and veggies an extra boost



[www.soilsolver.com.au](http://www.soilsolver.com.au)

“The best soil is made of clay, silt and minerals and is well-drained and easily worked.”

Royal Horticultural Society

## How Soil Solver® products transform gardens

**Soil Solver's** entirely natural products can be used in soil preparation for planting lawns, pots, vegetables and all flora - including natives and exotic plants - increasing the success rate of planting young trees in sandy areas. Soil Solver® products include all the trace elements that plants, and humans, need.



Allowed Input  
Cert. No. 19058



**Soil Solver® Clay Plus Minerals** gives you the very best result you can achieve **permanently** - giving you a scientifically proven blend of kaolin clay and silt together with the broad spectrum of essential minerals to turn your sand into fertile loam.

Advantages of adding **Soil Solver® Clay Plus Minerals**:

- No need to remove existing sand or introduce 'soil mix'
- Permanently overcomes and prevents water repellence and 'run off'
- Extends the time that soil remains moist from hours to days
- Provides pH stable outcomes
- Prevents soil nutrients from leaching into the river systems
- Do it once!
- Reduce seasonal supplements

The all natural mineral soil amendment product

**Soil Solver®**  
THE ANSWER LIES IN THE SOIL™

- Clay Plus Minerals •
- Compost Plus Minerals •
- Rock Minerals •

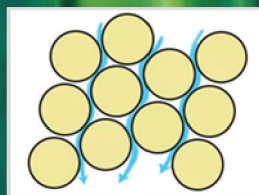
## Minerals - the perfect partnership for your garden

**Soil Solver® Compost Plus Minerals** is a premium, fully matured mineralised organic product and has the highest rock mineral content of any product on the market. This product has the optimal nitrogen to carbon ratio.

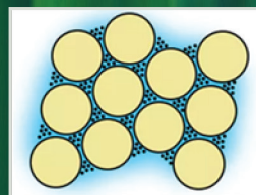
Without changing the soil chemistry, inputting organic matter will create a waxy load which will cause even greater water repellence and allow nutrients to pass through to our river systems.

After changing your soil chemistry with **Clay Plus**, adding **Soil Solver® Compost Plus** will increase the friendly environment to boost healthy micro-organisms.

Without the necessary minerals and clay in your soil to hold it, organic matter can't do its job.



Sandy soil has lots of gaps meaning water runs through quickly and doesn't get absorbed by the soil or plants.



Mixing in Soil Solver fills the gaps between the sand and holds on to water and nutrients.



Australia has very mineral-depleted soils, particularly on the sandy plains of Perth. Trace elements are essential to grow healthy plants and particularly healthy edible plants. There are 65 minerals required for healthy soil to provide healthy plants for human and animal consumption.

**Soil Solver®** has blended together a broad spectrum of entirely natural secondary and trace elements, which are missing from organic matter and manures.

**Soil Solver's Rock Minerals** do not leach and are available to plants for the long-term future making them healthier and more resistant to pests and diseases.

Rock Minerals are particularly helpful to build sands to optimal levels and boost nutrients to vegetables, fruit trees and native plants.

“Plant growth is determined by the scarcest nutrient available to it. If just one of the many required nutrients is deficient, the plant will not grow or produce at its optimum.”

Karl Sprengal