

June 2003

Staff at Vudal University College, discovered by accident that crushed volcanic rock produces vibrant plant growth because it is rich in nutrients for the soil. The University, renowned for producing some of Papua New Guinea's best agriculturalists, was situated about 40 kilometres away from the twin volcanic eruptions of Tavurvur and Vulcan which devastated Rabaul a few years ago. Volcanic dust was dumped on the university fields. Three weeks later senior technical officers from the Crops Department were surprised to discover enormous increases in crop growth. Samples supplied to the National Analysis Laboratory revealed a long list of minerals and trace elements in the volcanic dust. It was discovered that the twin volcanoes were providing the soil with nutrients from powdered volcanic rock, just as eruptions have always done. It makes sense that soil derived from volcanic basalt is keenly sort after by farmers.

Alroc Mineral Fertiliser makes powerful use of this concept to produce a blend of crushed volcanic Basalt, Granite, Dolomite, Rock Phosphate and Rock Potash, chosen for their mineral content. Alroc is an innovative soil conditioner that supplies all your trace minerals, as well as major elements.

S.A.F.E. has recently produced a very innovative and technically advanced, natural blend – called **CBM**. This stands for **C**hicken litter, **B**lood and **B**one and rock **M**inerals all granulated into a natural fertiliser, which is easy to spread. **CBM** releases healthy doses of nitrogen – **N**, phosphorous – **P** and potassium – **K**, as well as all the major and trace elements.

In addition to the natural Alroc mixes, S.A.F.E produces supablends. Supablends are 70% Alroc mixed with conventional fertilisers. Alroc remineralises the soil and neutralises the acidity of the chemical fertilisers. S.A.F.E produces 8 different supablend mixes.

**Coated Urea** is another advance made by S.A.F.E. Urea is often used as a powerful Nitrogen source, but because of its solubility it can easily be washed from the soil by rain or irrigation to be wasted and to damage the environment. By coating Urea with a growth promotant and Calcium, up to 40% less Urea can be used since it stays where it is placed. Coated Urea does not sweat in the bag and can be stored. The slower release of Nitrogen from Coated Urea means that plants can make more efficient use of this important nutrient, saving you money.

S.A.F.E. can also produce custom blends that are matched exactly to your soils needs as indicated by a soil analysis. In fact the S.A.F.E. Analytical Laboratory on the Gold Coast can provide you with a prompt, accurate and easy-to-read soil analysis, hair analysis (animal or human), water analysis or plant tissue analysis. The S.A.F.E. Analytical Laboratory is one of the best analytical facilities in the world. The S.A.F.E. team of agronomists, animal nutritionists, analysts and chemists, can assist you in your farming decisions.

S.A.F.E. also produces a range of safe and nutritionally balanced livestock feeds for cattle, horses, sheep, alpacas and dogs, which include Alroc minerals.

Our company Natural Solutions has a few other products that we promote for the benefit of people and the environment. **Roil** is a metal conditioner that we have used in all of our machinery and vehicles for 5 years. We have been extremely pleased with the savings and the performance of **Roil** (see the brochure written by the Jaguar Magazine). **Roil** can save your maintenance and repair costs for all machinery from - cars, tractors, earthmoving equipment and factory plant.

We also have a company called **EnviRoad** with a natural road-making product that can convert native soil into a hard, durable road. For more information see [www.enviroad.com.au](http://www.enviroad.com.au)

Kindest Regards

Chris Gordon  
Natural Solutions  
6 Mount Nellinda Road  
Cooranbong NSW 2265  
(02) 49772686 ph  
(02) 49773686 fax  
0414 772686  
[safe@mineralfertiliser.com.au](mailto:safe@mineralfertiliser.com.au)  
[www.mineralfertiliser.com.au](http://www.mineralfertiliser.com.au)

P.S. Purchases before the end of this financial year will mean that you can claim the costs and GST back immediately for your farm business.