

Fertiliser / Soil Conditioner for
Horticulture, Viticulture, Orchard, Turf,
Pasture & Cropping

Potassium Silicate

Naturally mined mineral silicate biotite schist
Approximate analysis:

Si (avail)	P	K	Ca	Mg	S	Fe	Zn	Mn
18.73%	2.41%	4.39%	2.93%	1.49%	0.15%	8.07%	117ppm	100ppm



An alkali Potassium & trace element fertiliser

- Designed for acidic soil conditions
- Reduces the impact of sodium on plant growth
- High in natural plant available silicates
- High pH neutralising value *esp. in aluminium rich soils*
- Rich in Biotite, a natural clay nutrient bearing material

Suited to acidic / high nutrient leaching soils

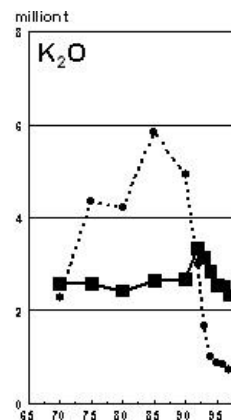
Potassium is an important component of soil fertility, not only as an essential plant nutrient, but also to balance soil chemistry *ie. alleviate the uptake of sodium by plant roots (stabilizes potassium : sodium ratio).*



Potassium Silicate contains silicates in a form that readily bind aluminium. As a result Potassium silicate becomes an extremely active pH neutralizing agent in aluminium rich / acidic soils. *Source: North Coast Testing Service*

Potassium Silicate is a stable controlled release fertiliser

A Natural mineral potash bound with clay, Potassium Silicate maintains a consistent flow of potassium to balance soil fertility and plant nutrient availability even when moderate levels of sodium are present *–if peak demand is high this can then be supplemented with Direct K / PK liquid chelated fertiliser, or with a good quality sulphate of potash.*



Conventional Potash use compared to removal by crops

Source: International Potash Institute Oct. 2000

Salinity

Non-saline low EC soils can contain levels of sodium chloride, which damage roots and degrade plant cell structure when low soil potassium levels occur. Low potassium may occur despite frequent applications of high analysis fertilizers such as Muriate of potash (potassium chloride). A solution is to supply potassium in a stable slow release form such a Potassium Silicate or as a liquid chelate (*ie. Eco-growth Direct Potash*).

General Application Rate 150-200Kg/Ha

Best applied through belt spreader *–this is not a prilled product, it will not flow easily if wetted.*