



# HydraFlow SILICA

30% Silica, 18% Potassium

HydraFlow Silica is a concentrated silica fertiliser to assist in improving cellular structure and will assist in the assimilation of calcium into cell walls. Silica will also assist in reducing lodging in broadacre cropping.

The timing of silica applications is most critical to ensure maximum production and quality from any crop. Applications as early as possible in the plants flowering or fruiting cycle will ensure enough silica is present to cater for the plants physiological needs.

HydraFlow Silica will supply silica and potassium to assist in hardening, overall strength and plant health. This is due to the function of silica being associated with the assimilation calcium in cell walls to further strengthen and allow plants to stand up. This will assist to reduce logging in susceptible crops.

### THE FUNCTION OF SILICA

Silica has an association with calcium in cell walls to further strengthen and to “stand up” plants.

Silica, when absorbed into the epidermal cells of leaf blades, will enhance the rigidity of cell walls.

### THE FUNCTION OF POTASSIUM

Potassium, a highly mobile element in the plant, regulates cell turgidity. It is therefore important in stomata control. Potassium also maintains cell division and formation of proteins, carbohydrates and fats. Deficiencies of potassium generally result in low yields of poor quality and burn of the leaf tips.

GUARANTEED ANALYSIS		W/V%	W/W%
Potassium	(K <sub>2</sub> O)	18.10	13.20
Silica	(SiO <sub>2</sub> )	30.00	21.90
Fulvic Acids		1.00	0.70

CROP	RATE: L/ Ha	WATER*
Vines	2 - 3	1 : 200 - 400
Broadacre	2 - 4	1 : 100
Vegetables	2 - 3	1 : 200 - 400
Tree Crops	2 - 5	1 : 300

A dilution of 1 : 100 means 1 part product : 100 parts water.  
In hot weather, use the higher dilution rate where applicable.