

TARCOWIE ROCK PHOSPHATE & CANOLA



Tarcowie Rock Phosphate (TRP) is a locally mined phosphate rock. It contains a wide-ranging nutrient package of many of the critical elements for productive plant growth.

Whilst phosphorous underpins the value in a tonne of TRP, the total nutrient package has a value of over \$500/t (based on costings March 24). The table below outlines the product specifications.

	Total P	% Citric Soluble	[assays in percent]					[assays in mg / kg]			
			Ca	Mn	Fe	K	S	Cu	Zn	Co	Mo
Average	6.2	25.6	9.2	3.0	4.1	0.6	0.04	104.7	967.3	696.1	2.8
Max	8.5	35.0	14.4	6.2	5.2	0.8	0.07	150.1	1246.2	1198.6	4.4
Min	4.6	18.3	4.6	1.4	3.3	0.4	0.02	82.8	716.2	215.6	1.2

If growing canola most growers consider the big-ticket items of Nitrogen, Phosphorous and Sulfur but many growers are becoming more aware of balancing nutrition and ensuring that Trace Elements are also supplied to the crop in adequate quantities.

Copper, Zinc, Iron and Manganese which are all found in TRP product, can have adverse effects on critical plant growth stages such as flowering and pollination **when supply is inadequate**. Adequate supply of trace elements also helps the canola plant get maximum uptake & benefit from macro nutrients that growers invest heavily in when growing canola such as Nitrogen, Phosphorous and Sulfur.

TRP can be applied by broadcast applications ahead of planting at 200-500kgs /ha. If using gypsum **or chicken manure** ahead of canola it can be easily blended with TRP to allow one application pass. The product is stable once applied and can sit on the ground prior to the seasonal break with minimal losses.

For more information contact: Simon Tarento 0477 966 088 or GEH Construction office 08) 8389 6472.