MainPhos 18

The smarter choice in phosphate fertilisers

Mainfert has worked with independent manufacturers to develop a Dicalcium Phosphate fertiliser that meets requirements for a cost effective non-soluble phosphate.

MainPhos 18 differs from traditional acidulated fertilisers as it is high in Phosphate, is citrate solubility, pH neutral and contains 24% Calcium MainPhos 18 also has low cadmium, <1PPM, and low heavy metal levels supporting soil health.

N	P	S	Ca
0	18	0	24

See how MainPhos 18 stacks up:

Product	% Phosphorus	Solubility	pH	Release
MainPhos	18	70% citrate soluble	6.5 – 7	Sustained
Single Superphosphate	9	Water soluble	2 – 4	Fast
Triple Superphosphate	20.5	Water soluble	2 – 4	Fast
DAP (Diammonium Phosphate)	20	Water soluble	7.5 – 8 *	Fast
RPR (Reactive Phosphate Rock)	11.5	30% citrate soluble	6.5 – 7.5	Slow

*DAP initially raises pH in solution, however the nitrification process of ammonium (NH_4) proportion of the product releases H atoms, acidifying soils over time.

Water soluble vs Citrate soluble

Water soluble P is measured by dissolving products directly in water and measuring available P. Fertilisers with high water solubility release their nutrients at once.

Citrate soluble P is measured by using a weak acid (citrate acid) to mimic Phosphate availability through root exudates.

High Citrate Solubility means:

- Sustained P release
- P availability over the entire season
- Reduced environmental losses

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