

Zimbabwe Soil Test: Phosphorus Unlocked Without Fertiliser

Alongside the field trial, we ran a separate laboratory test with Zimbabwe's government soil laboratory, to measure directly what our quantum technology does to the soil itself.

WHY THIS MATTERS

Much of Africa's farmland is poor and acidic. In such soil, nutrients become locked away, so crops go hungry even when the nutrients are there. Phosphorus is the worst affected: much of the phosphate fertiliser a farmer spreads is locked up within months and never reaches the crop.

The usual answer is ever more chemical fertiliser and lime. It is expensive, it pushes small farmers into debt, and over time it makes the soil more acidic still. What the crops cannot use is washed into rivers, lakes and groundwater, polluting drinking water and harming the living organisms that keep soil fertile.

THE TEST

The Chemistry and Soil Research Institute, Zimbabwe's government soil laboratory at Makoholi, near Masvingo, took soil from three smallholder farms in the area and divided each sample in two. One half was analysed as it was. The other half was treated remotely with our quantum fertiliser signal, using only a video of the samples: nobody touched them and nothing was added. Two weeks later, the same laboratory analysed the treated soil with the same methods.

THE RESULTS

Phosphorus available to plants rose on all three farms, and on two of them it nearly doubled.

Farm	Before (ppm)	After (ppm)	Change
Farm 1	2.6	4.7	+81%
Farm 2	2.2	3.9	+77%
Farm 3	2.6	3.1	+19%
Average	2.5	3.9	+58%

ppm: parts per million of phosphorus available to plants.

Since nothing was added, this phosphorus was already in the soil, locked away. The treatment made it available to plants. The laboratory also found that calcium and magnesium moved towards a healthy balance: they rose where they were low and came down where they were high.

WHAT IT MEANS FOR FARMERS

This is quantum fertiliser, delivered remotely, straight to the soil. There are no factories, no transport, no spreading and no chemical run-off. For a smallholder who cannot afford a bag of fertiliser, the nutrients already in their own land can finally feed their crops. The effect can also be confirmed by a standard soil analysis within days, without waiting for the harvest.

NEXT STEPS

The laboratory has proposed repeating the test through its network across Zimbabwe, covering different soil types and climates. The Monaco Quantum Elements Association is now organising this with them, and results will be published here.

Original laboratory reports available on request.