

XSeed Range

Reg. No. B4579, B5651 Act No. 36 of 1947

An effective seed treatment

What is Xseed:

Xseed is a seed treatment formulated to give specific micro-elements to the plant. The range consists of **XSeed-Dri** and the original **XSeed** — a liquid.

The **XSeed-Dri** is spiked with Fulvic acids, and the **XSeed Liquid** with seaweed extracts to give them the X-factor.

Why is seed treatments useful:

The planting process is going to be undertaken by the farmer irrespective of whether he applies seed treatments or not. Therefore, applying a seed treatment is one of the cheapest and potentially most profitable applications a farmer could do. To do the same application at a later stage will cost extra energy, time, and money.

There are plenty of products that a person could apply as a seed treatment, the options range from microbial inoculants, microbial stimulants, plant biostimulants, to micro-elements. The best seed treatments likely contain various ingredients of the above mentioned (see also Viribus T, our *Trichoderma* product).

Seed treatments also ensure that the applied nutrient is close to the seed, therefore the plant doesn't have to search for nutrients during the early stages when the roots are still developing. By applying nutrients as a seed treatment, you also ensure that the nutrients are spread evenly across the field.

Which nutrients are in the XSeed range:

In the liquid **XSeed**, there is Nitrogen (N), Phosphorus (P), Manganese (Mn), Copper (Cu), Zinc (Zn) and Molybdenum (Mo).

In the powder **XSeed**, there is Zinc, Phosphorus, Manganese, Calcium (Ca) and Molybdenum.

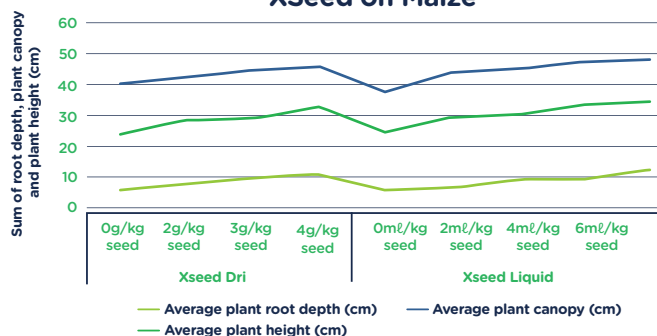
In both **XSeeds** the amount of Zinc is about three times as much as the Phosphorus. In various crops, high Phosphorus levels in the soil can be antagonistic towards Zinc. The problem is worsened by the application of high phosphorus fertilizer in a narrow band at planting.

XSeed-Dri contains a sticker and flowability agent, which makes it easier to apply.

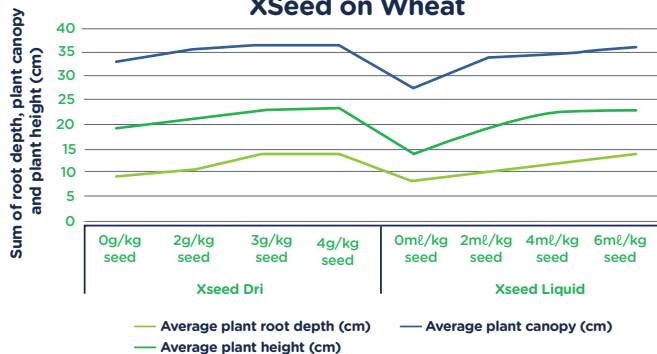
Trials:

The trials were done between July and August 2017, on metal tables in one of the greenhouse units at the potato section of the ARC: Roodeplaat.

XSeed on Maize



XSeed on Wheat



Element	XSeed (liquid)	XSeed Dri
Zinc	100 g/kg	288 g/kg
Phosphorus	32 g/kg	88 g/kg
Manganese	18 g/kg	52 g/kg
Calcium	—	31 g/kg
Molybdenum	5 g/kg	12 g/kg
Nitrogen	3,5 g/kg	
Copper	10 g/kg	

If your goal is to give your seed the best chance to develop into a strong and vigorous plant, choose a seed treatment. If you are looking for seed treatment with the X-Factor, choose **Xseed**.

*See label for further details and instructions.

