

Umostart

Microgranular fertiliser



SIPCAM
UK

give your crops a better start for a stronger finish



Get all your crops off to a flying start

Umostart is a microgranular fertiliser developed to provide nutrients precisely where they are needed at the time when they are most valuable - at plant establishment.

Umostart has been used successfully with maize, oilseed rape, winter cereals, potatoes and root crops.

Benefits include:

- 25 x more P available to the plant
- precise placement gives high plant uptake
- low application rates cut residues and leaching
- significant savings on transport and storage

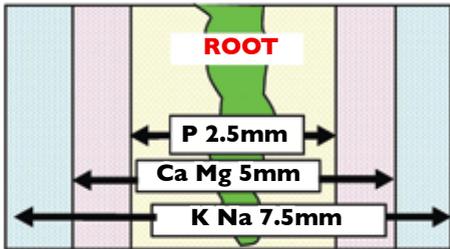


5g of Umostart:
approx 25,000 microgranules
90% between 0.5-1.0mm
low dust levels



5g of 18:46:0
approx 200 granules
2.5-4.0 mm

Umoplast contains around four million granules per kg which means it has an extremely high interface with your seeds, providing all important nutrients quickly and safely.

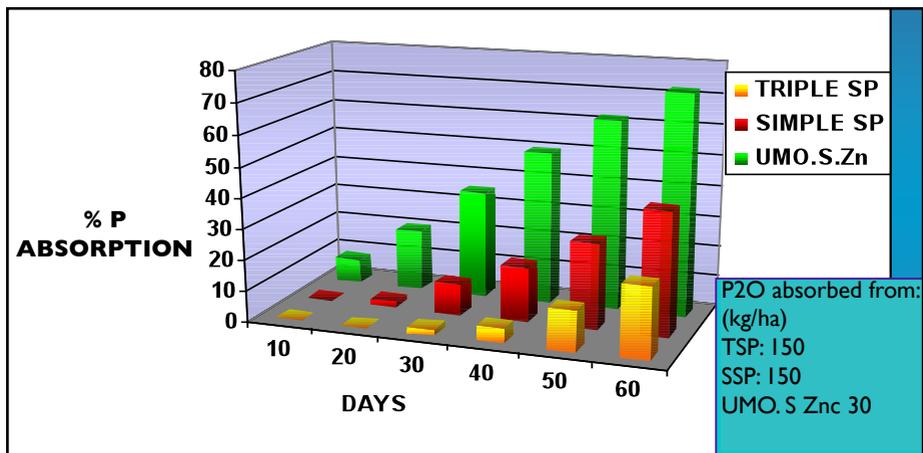


For maximum uptake, nutrients need to be available close to the root.

This is especially true of phosphate, as shown in the diagram. With a composition of

11:50:0+1ZN, Umoplast Super ZN places essential nutrients exactly where the plant needs them.

Umoplast efficiency in the soil compared with ordinary fertilisers



Umoplast also contains humates, an organic source of carbon, iron and other important elements. These stimulate vigorous early root development, affect cytokinin activity, help iron absorption and assist the plant in building stronger cell walls. Importantly, they also encourage the proliferation of fine roots.

Umoplast Super ZN is packed in easy-to-handle, high quality 10kg foil bags and because it is applied precisely, you only need to use 10-30 kg/ha, which saves you time and offers significant environmental benefits.

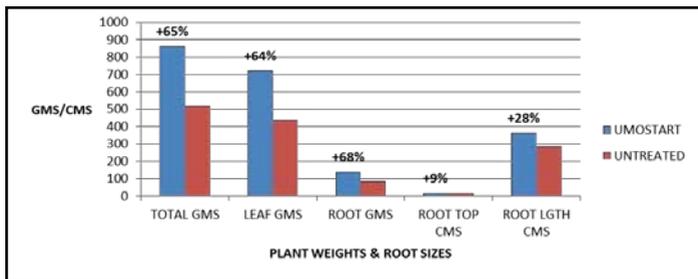
Oilseed Rape

Oilseed Rape is often drilled when soil temperatures are at their highest and soil moisture levels at their lowest but whatever your chosen method of planting, before winter sets in the aim is to achieve large deep rooted plants which provide good ground cover.

No two seasons are the same, but it is always important to optimise crop establishment and get it off to a flying start.

Umostart Super ZN encourages rapid root growth and development, giving your plants every chance of meeting that all important winter deadline, whatever the weather.

In farm-based trials over several years Umostart has consistently demonstrated quicker, stronger root establishment, with more leaf. The number and weight of pods has subsequently exceeded the controls.



The effectiveness of Umostart on OSR is visible in the plants and evident from trials such as the one above.

Maize

Replacing conventional fertiliser with Umoplast at drilling has several advantages.

To begin with, there is a simple logistical benefit. Much lower volumes of fertiliser are required, simplifying operations for contractors who can carry the fertiliser as well as the seed, speeding up operations and reducing transport requirements.

The fertiliser is placed where the plants can best use it and compared with DAP or MAP the total amount applied is significantly reduced. This avoids waste and loss of nutrients, reducing the risk of oversupply in high index soils.

Umoplast is therefore the sustainable choice, especially where soils have a P index of 3 and above or where N is restricted under NVZ regulations. Moreover, a lower dose of N as a starter fertiliser gives the potential for more organic manures or N at later growth stages.



Untreated rows show clearly and plants are much smaller.



The difference continues to show up clearly at later growth

Cereals

Untreated; 14 days after drilling



Umoplast increases root mass compared to conventional fertiliser regimes. In recent Spring barley trials average root length increased by 10% and root weight was 178% higher.

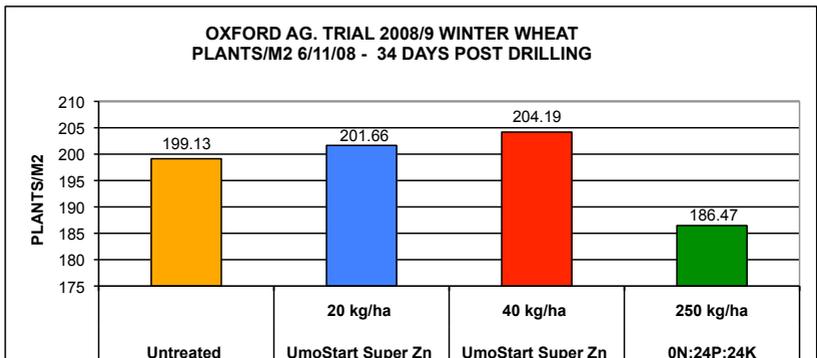
Treated; 14 days after drilling



The result is greater top growth, ensuring robust plants, better able to withstand adverse conditions and maximise potential.

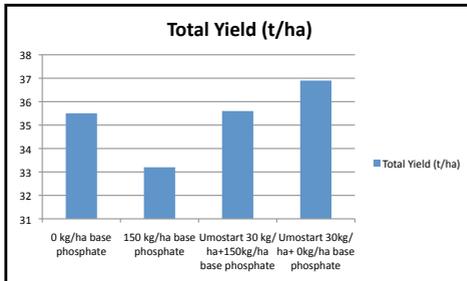
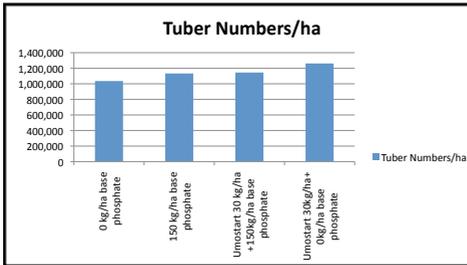


Seed development 36 days after drilling. Left: untreated, right: treated.



Potatoes, onions and root crops

Potato tubers fail to fully utilise the relatively high levels of fertiliser traditionally applied. In recent trials with salad potatoes Umostart has had a significant effect when used with, and also without, a standard base fertiliser. Farm experience suggests Umostart can improve uniformity and help reduce scab.



Vegetable Consultancy Services Ltd 2012

Variety: Maris Peer



In spring onions the difference between rows where Umostart has not been used is clearly visible (right). A recent UK onion trial indicated a 22% yield increase from using Umostart.

Application technology

Umoplast is simple to apply whatever your system of crop establishment.



Till seeding systems

Umoplast can be applied via an additional micro applicator unit mounted on your subsoiler to compliment an existing seeder unit.



Drilling systems

Umoplast can be applied through many conventional drills, usually by the addition of an ancillary OEM unit, or alternatively by a micro applicator fixed directly to the drill or toolbar.

Left - Wells Horstine adapted.



Accord maize drill

Sipcam (UK) can be contacted for further information by
e-mailing: info@sipcam.co.uk or on **01763 212100**
www.sipcamuk.co.uk