

Spring application saves time and increases yield

It's time to rethink traditional PK fertilisers in the autumn and apply a complete NPKS in the spring...

- A simple product system that on average increases yield in cereals by 0.65 t/ha
- Storage space is minimised
- Fewer fertiliser applications – saving money
- Less work and reduced passes over the field
- Supplying nutrients when the crop needs it



It really could mean at least a £75/ha yield increase!*

Too good to be true?

If P and K soil levels are \geq index 1, this system could work for you.

Traditionally P and K were applied in the autumn. Many trials have shown that the timing of P and K applications are critical to yields on soils with P and K indices of one and above.

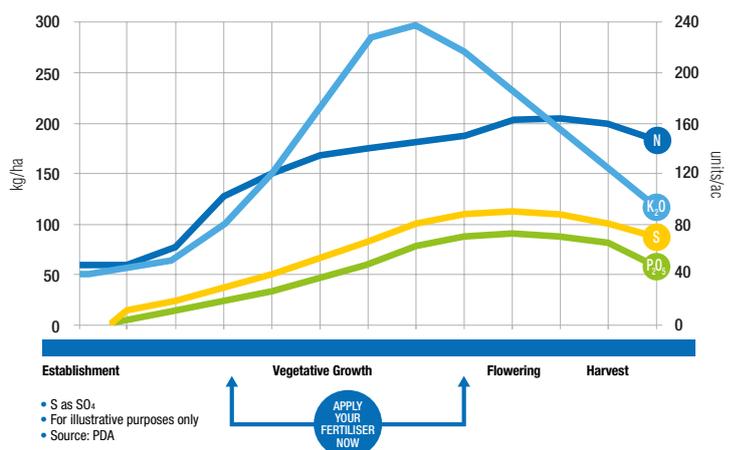
By applying all the required nutrient in a compound granular fertiliser at the time the crop is growing means yields can be increased by 0.65t/ha, providing a £75/ha benefit in your pocket. See updated trial info over page*.

Feeding the crop when it needs it

Advantages of spring application:

- Encourages rapid uptake when crop is growing most
- Maximises response to application
- K supports the uptake of N, increasing the overall efficiency of the crop to produce higher yields

Typical cumulative uptake for cereal crops



ONE product to supply all the relevant nutrients in ONE granule

Choose the product most suitable for your crop. All three grades are non-hazardous, making storage and handling straight-forward.

By selecting the most appropriate Nitrogen rate, the products will supply the right balance of P, K and S for your crops.

Soil Nutrient Status	CF Product	N	P ₂ O ₅	K ₂ O	SO ₃
High P & Low K	KayNitro® Sulphur	25	0	13	7
Med P & Low K	MultiCut® Sulphur	23	4	13	7
Med P & Med K	Heartland® Sulphur	24	8	8	8

Turn over for new trial data...

New trial-based evidence

Historic trials conducted by NIAB/TAG (then Morley Research Centre), concluded that applying NPKS compound fertiliser in the spring, increased yield on average by 0.3t/ha in winter wheat and barley.

This work has been repeated at the Royal Agricultural University in Cirencester and the new data has shown the benefits can be a 0.65t/ha yield increase, worth around £75/ha, based on Sept 2016 cereals prices. See right for further information on this latest R&D.

Even if you include the cost of fertiliser, the financial advantage to using spring applied Heartland Sulphur is still an average of £65/ha.

Applied	Crop	Harvest N kg/ha	Yield t/ha	Diff t/ha	Diff £/ha
Spring 2016	Winter barley	217	7.7	0.3	£30
Autumn 2015		164	7.4		
Spring 2016	Winter wheat	226	9.6	1	£120
Autumn 2015		190	8.6		
Average Difference				0.65	£75*

Total N applied 200kg N/ha, 68kg SO₂/ha; PK Soil Status P1 K2. Applied 127kg/ha P₂O₅ and 81 kg/ha K₂O, winter barley price £100/T, winter wheat price £120/T.

*Based on current wheat and fertiliser pricing.



Tony Norris, Farm Manager at the Royal Agricultural University (RAU), conducted the trials and said that he could see growth differences where P and K were applied in the spring. For those looking for a one product system, the yield results from these trials give confidence to move away from straight P K type products.

“ In the trials, Heartland Sulphur was applied as the spring treatment against straight P & K applied in the autumn. There were quite obvious, visible differences in the wheat early on and later in the season in the barley trial. ”

Tony Norris, Farm Manager,
Royal Agricultural University (RAU)



Spring application of CF NPKS saves you time and wear on vital machinery

In addition to the yield advantage, there is also a workload benefit by eliminating the need for autumn spreading. Not only is this of enormous practical assistance at one of the busiest times of the year, but savings in labour, fuel and machinery overall, result in operational cost savings. A typical fertiliser application saving is around £6/ha. Reference 'John Nix 2017' thepocketbook.biz



Which spring applied NPKS nutrients do what?

All	Produces yield
N and S	Creates protein
P	Supports root development
K	Improves drought tolerance
P, K, S	Improves N use efficiency

- Replace traditional P and K and NS plus straight N fertilisers with appropriate CF product
- Apply products in the spring as an alternative to NS and straight N system
- CF series of products are all Complex Compound Fertilisers, which means all the nutrients are present in every granule
- Highly soluble Phosphate contained in these products is readily available to the growing crop
- Spring applied Potash plays a key role in supporting yield and quality
- These products can be spread to wider bout widths with an annually calibrated and well-maintained spreader

Use our handy calculator to select the best product and rate for your crop www.cffertilisers.co.uk/springapplied

www.cffertilisers.co.uk

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