

KayNitro® Sulphur

25-0-13 (7SO₃)

KayNitro Sulphur is a True Granular Compound ideal as a mid and late season fertiliser for grass silage. The product balances large offtakes of Potash where crops are grown on soils high in Phosphate. It is also a flexible grade for forage maize and arable crops where high Potash/low Phosphate applications are required to balance soil nutrient supply and where biosolids high in Phosphate are used in the fertiliser program. The addition of Sulphur enhances crop yield and quality in Sulphur-deficient situations.



Applications

Grassland – Use as a general grassland fertiliser on soils with high Phosphate index. For second and subsequent silage crops apply 300–350kg/ha immediately after previous crop is removed. For grazing, apply 160–200kg/ha NK Sulphur on a monthly basis following turnout. With Sulphur, increases in DM yield of 25% can be achieved on light and medium soils, alongside increases of 4% in protein and 5% in sugar contents to improve grass quality and palatability.

Maize – Use KayNitro Sulphur to supplement organic manures on high P index soils as a seedbed fertiliser using 200–300kg/ha at crop emergence.

Arable – Use as a spring top dressing where additional Potash is required to maintain or build soil Potash levels. Apply at a rate that delivers the required Nitrogen.

Product description

Ammonium Nitrate is the most efficient and predictable form of Nitrogen for UK growers.

Ammonium Sulphate offers a readily available source of Sulphur to the growing crop.

Water soluble Potash provides rapid uptake to support Nitrogen use efficiency and plant growth.

A True Granular Compound ensures even and accurate spread of all nutrients across the crop.

Bulk density typical range 900-1000 kg/m³, average 960 kg/m³.

The **Carbon Footprint** for KayNitro Sulphur is 4.0kg CO₂e per kg Nitrogen.



Feature	Benefit
Contains Ammonium Sulphate	A readily available form of Sulphur for rapid uptake – elemental Sulphur cannot be taken up directly by crops because plants only take up Sulphur in the Sulphate form.
Contains Ammonium Nitrate	AN is the most efficient Nitrogen source and the 'Best Option for the Environment and Farming' according to Government research.
Contains water soluble Potash	'To optimise the benefits of N, it is essential to have sufficient exchangeable Potash in the soil.' ref PDA March 2008.
A True Granular Compound	Even application of all nutrients across the whole spreader bout width, which optimises nutrient use efficiency and crop response.
Potash applied during the growing season	Reduces autumn workload and potentially fertiliser application costs on arable crops. Potash is provided when the crop uses it most efficiently giving better yields and N uptake.
Zero Phosphate content	To fit a range of circumstances where high soil reserves or use of organic manures or biosolids/ sewage sludge cake means no fertiliser Phosphate is required.
Manufactured at sites which are accredited to ISO 9001	Reliable product with consistent high quality, every year.

Sulphur Facts

- Sulphur is very mobile in the soil and can leach through the soil profile. Where large amounts are required it is advisable to split the recommended requirement in two applications.
- Foliar applied Sulphur is a less efficient approach to correcting Sulphur deficiency. This is because only 2% of the Sulphur is being intercepted and absorbed through the leaf and often these products don't contain enough Sulphur.
- The average UK deposition of Sulphur is now negligible compared with the 25kg SO₃/ha/year of 20 years ago. In fact Sulphur deposition is no longer measured, due to such low levels occurring.
- Organic manures contain Sulphur, but in variable quantity and availability. Like elemental Sulphur, most of the Sulphur in organic manures cannot directly be taken up by crops for growth.

Ready reckoner for application rates

Product application rate kg/ha	Nutrient application rate			
	N kg/ha	P ₂ O ₅ kg/ha	K ₂ O kg/ha	SO ₃ kg/ha
160	40	0	21	11
200	50	0	26	14
320	80	0	42	22
400	100	0	52	28
720	180	0	94	50
800	200	0	104	56

Notes

- For grass silage, the optimum Sulphur application rate is 40 to 60kg SO₃/ha for 2 cuts and 60 to 80kg SO₃/ha for 3 cuts.
- For cereals, the optimum Sulphur application rate is 50kg SO₃/ha.
- For Oilseed Rape, the optimum Sulphur rate is 60-80kg SO₃/ha or for very deficient sites 112kg/SO₃/ha. If using KayNitro Sulphur then an early application of DoubleTop® can be used to supply more Sulphur.
- To convert from kg product/ha to bags/acre, multiply by 0.4, then divide by 50 (e.g. 250kg product/ha x 0.4 = 100/50 = 2 bags/acre).
- To convert from kg nutrient/ha to units/acre, multiply by 0.8 (e.g. 200kg N/ha x 0.8 = 160 units N/acre).

Calibrate before you spread for application rate and spread pattern

CF Fertilisers products spread to 32m bout widths. Widths of 36m are achievable with certain spreaders and products in suitable conditions, however, please seek advice. It is important to maintain fertiliser spreaders, whatever bout width you work at.

For optimum results, CF Fertilisers recommends that you follow the industry standard and set up your spreader for both application rate and spread pattern for each different fertiliser that you use. For Product Safety Data Sheets, please go to the website: www.cffertilisers.co.uk/safety-datashets

Blue bags grow better crops

Quality Blue Bags – made in Britain for British farmers and British conditions

- Every ingredient is fully traceable
- Blue Bag fertilisers work faster and are more reliable and effective
- Consistent product quality ensures consistent spread
- Every product we make is certified by the Carbon Trust
- We use the best possible packaging
- All CF Fertiliser products are manufactured in the UK to ISO 9001 standards



KayNitro Sulphur is available in a 600kg bag size.



What goes into every bag...



What comes out of every bag...



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