

# CropMaster® Sulphur

## 27-4-4 (7S<sub>0</sub><sub>3</sub>)

CropMaster Sulphur is a True Granular Compound product for grazed grass providing low levels of Phosphate and Potash with added Sulphur to enhance forage yield and quality. CropMaster Sulphur can also be used on arable crops where soil Phosphate and Potash indexes are high.



### Applications

**Grassland** – Use as a general grazing fertiliser where a simple one product system is required. Rates and number of applications vary by system and location but as a general guide apply 130–185kg/ha CropMaster Sulphur monthly or for each grazing.

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.

**Arable** – CropMaster Sulphur is suitable for use in any arable crop where soil P and K indexes are high and where in-season application of readily available nutrients is desired. Use in conjunction with organic manures or in combination with other CF Fertilisers products. As a sole product, it is unlikely to supply the required level of P and K to balance crop offtakes.

### Product description

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

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

**Water soluble Phosphate** provides rapid uptake to support root development 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/m<sup>3</sup>, average 960 kg/m<sup>3</sup>.

The **Carbon Footprint** for CropMaster Sulphur is 4.0kg CO<sub>2</sub>e per kg Nitrogen.



Feature	Benefit
<b>Phosphate and Potash applied during the growing season</b>	Reduces autumn workload and potentially fertiliser application costs. Nutrients are provided when the crop uses them most efficiently giving better yields and crop quality.
<b>Contains Ammonium Sulphate</b>	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.
<b>Contains Ammonium Nitrate</b>	AN is the most efficient Nitrogen source and the 'Best Option for the Environment and Farming' according to Government research.
<b>Contains water soluble Phosphate</b>	Crop roots will only take up Phosphorus from soil solution so providing Phosphate in a form that is over 96% water soluble ensures rapid and efficient uptake, supporting root development and plant growth.
<b>A True Granular Compound</b>	Even application of all nutrients across the whole spreader bout width, which optimises nutrient use efficiency and crop response.
<b>Manufactured at sites which are accredited to ISO 9001</b>	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 or more applications.
- Foliar applied Sulphur is a less efficient approach to correcting Sulphur deficiency. This is because only 2% of the Sulphur is 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 SO<sub>3</sub>/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 be directly taken up by crops for growth.

## Ready reckoner for application rates

Product application rate kg/ha	Nutrient application rate			
	N kg/ha	P <sub>2</sub> O <sub>5</sub> kg/ha	K <sub>2</sub> O kg/ha	SO <sub>3</sub> kg/ha
130	35	5	5	5
185	50	7	7	7
370	100	15	15	15
555	150	22	22	22
740	200	30	30	30
925	250	37	37	37

## Notes

- For grazed grass, the optimum Sulphur application rate is 60 to 70kg SO<sub>3</sub> /ha.
- For cereals, the optimum Sulphur application rate is 50kg SO<sub>3</sub> /ha.
- For Oilseed Rape, the optimum Sulphur rate is 60-80kg SO<sub>3</sub>/ha or for very deficient sites 112kg/SO<sub>3</sub>/ha. If using CropMaster 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-datasheets](http://www.cffertilisers.co.uk/safety-datasheets)



CropMaster Sulphur is available in 600kg bag sizes.

## 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



### What goes into every bag...



### What comes out of every bag...



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