Sulfacal AH 2-5 Granule

How are spreading trials conducted?

Ensuring an even spread is key to achieving optimal application and helps to maximise the potential of the applied fertiliser.

Recognised in the fertiliser industry, SCS (Spreader & Spraying Ltd) helped us conduct multiple spreading tests. SCS operates under the National Fertiliser Spreader Testing Scheme, part of the NSTS (National Sprayer Testing Scheme).

SCS Spreader & Sprayer Testing Ltd

1. Tractor and machine controls

Machine level, guards, disc attachment, and speed are measured to ensure the equipment is performing properly before testing.

2. Product analysis

The product is analysed to determine its spreading characteristics, including bulk density, crush strength, and size.

3. Spreading test

The spread pattern is assessed, the material is collected, the Coefficient of Variation (CV) is calculated, and the report is compiled.

The Coefficient of Variation (CV) measures the accuracy of the spread pattern by comparing the standard deviation to the mean.

- **<10%: Excellent. Consistent spreading.**
- 10%-15%: Good. For fertilisers, a CV of 15% (as recommended in EB13739-2) should be attained in field conditions.
- 15%-20%: Poor.
- >20%: Unacceptable.

formula SAINT-GOBAIN

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Spreading Certificates No. 908, 910, 911.

Amazone ZA-TS and KRM M35 Base Trend were tested.

They successfully passed control, ensuring they are functioning properly and are safe to use.

NPTC Certificate No: 280875

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Physical properties	Average
Bulk density (kg/L)	>1.1
Strength (kg/Force)	>2
Size analysis (mm)	80% between 2-5

Spreader settings

Disc/Vane type	Setting	Heights (cm side of disc)	Tilt (°)	Disc/PTO	Spread width (m)
Amazone ZA-TS					
TS3	15	80	0	Disc RPM 720	42
TS3	0	80	0	Disc RPM 600	36
TS3	0	60	0	Disc RPM 600	24
KRM M35 Base Trend					
E9T	3/3 Max	80	+6	PTO RPM 600	36
E6T	1/2 Max	75	+2	PTO RPM 540	24

Our coefficient of variation was consistently < 10%, indicating that our product demonstrates **excellent spreading consistency.**

Spreading tests were conducted on grassland at the farm in November 2024.
For all tests, the rate setting was 250 kg/ha and the forward speed was 10 km/h.

formula
SAINT-GOBAIN