



# Paper Crumb

## What is paper crumb?

Paper Crumb, also known as RCF is a soil conditioning crumb. It is a mechanically recovered fibre from the recycling of white office paper. Paper crumb boasts a high carbon:nitrogen ratio, which enhances soil structure and organic matter. When applied prior to planting nitrogen-fixing legumes, it improves soil health and creates a fertile foundation for years to come.

## Environmental Compliance and Support:

As a waste-derived product, the use of paper crumb is regulated by the Environment Agency and requires a deployment to be completed and submitted to the Environment Agency before any stockpiling or spreading can commence. FGS Organics manages the entire process for you, including:

- Soil sampling and analysis
- Environmental risk assessments
- Agricultural benefit statements
- Full permit application and deployment submission

Deployments are required before any stockpiling or spreading. A deployment is limited to 3,000 tonnes in a stockpile or 50 hectares of land—whichever comes first.

Timescale: Please allow 6–8 weeks for a deployment to be registered. Planning ahead is essential to ensure land is available when needed.

## Benefits to Soil Performance:

- Provides high levels of organic matter (average 10t/ha)
- Balances elements and provides a good source of lime (pH)
- Good source of sulphur as well as other major nutrients
- Builds soil carbon levels (Carbon Sequestration)
- Increases soil biodiversity which ensures soils are wear resistant to climate fluctuations
- Improves soil conditioning and friability
- Aids moisture retention
- Average dry matter content: 64%



**Dry Matter: 62.03%**

**Fines/Dust: Minimal**

**Colour: Grey/blue**

**Odour: Minimal**

**pH: 8.0**

**Options:**

**Tipper deliveries**

The above stats are based on typical analysis



## Application:

Paper crumb is delivered using tippers and broadcast spread using our fleet of trailed spreaders, ranging from 9 to 20 tonne capacity. Our fleet offer low ground pressure tyres, unrivalled spread pattern and GPS guidance. The larger spreaders are also fitted with weigh cells and onboard printers to verify application rate and total applied.



### Recent analysis for paper crumb - target application rate of 50t/ha:

	Kg's of nutrient per fresh t of by-product (kg/t)		Kg's of applied nutrient per hectare (kg/ha)		Kg's per hectare potentially available nutrients in year 1
Nitrogen	0.96 [as N]	⇒	38.34 [as N]	⇒	<1 [as N]
Ammonium Nitrogen	<0.01 [as N]	⇒	<1 [as N]	⇒	<1 [as RAN]
Phosphate	0.20 [as P <sub>2</sub> O <sub>5</sub> ]	⇒	7.8 [as P <sub>2</sub> O <sub>5</sub> ]	⇒	3.92 [as P <sub>2</sub> O <sub>5</sub> ]
Potash	0.13 [as K <sub>2</sub> O]	⇒	5 [as K <sub>2</sub> O]	⇒	4.29 [as K <sub>2</sub> O]
Sulphur	0.99 [as SO <sub>3</sub> ]	⇒	40 [as SO <sub>3</sub> ]	⇒	19.81 [as SO <sub>3</sub> ]
Magnesium	2.18 [as MgO]	⇒	87 [as MgO]	⇒	43.61 [as MgO]

## Complementary products/services:

10mm & 20mm PAS100 compost, gypsum, digestate, paper sludge, soil testing & compliance services



Please contact our office for any questions or any further information. Latest analysis and samples available upon request. Visit our website and join our mailing list to keep up-to-date on our latest news and products.