

# AGRICULTURAL CARBONS



## Description

Rotocarb's AgriCarb series of Granular Activated Carbon (GAC) and Powder Activated Carbon (PAC) is manufactured from sustainably sourced macadamia nut shells through steam activation. The resulting bi-modal micro- and meso-coupled with the high fixed carbon content offers a uniquely diverse material for use in agricultural applications.

AgriCarb offers a dense carbon lattice with a high fixed carbon content and therefore greater long-term stability. Essentially a high-end bio-char, this product is differentiated by its consistent quality and more developed internal surface area, making it suitable across a broader range of applications such as nutrient sequestration and low-level toxin binding.

## Applications<sup>1</sup>

- Improved soil health
- Improved moisture retention
- Increased soil carbon content
- Promotion of soil microbe growth
- Increased accessible nutrient retention
- Increased Nitrogen and Phosphorous retention

## Product Advantages

- High pH
- Low ash content
- Low soil mobility
- Consistent quality
- Flexible particle sizing
- No re-activated content
- Effective adsorbing pore structure
- High-purity steam activated product



## AgriCarb Specifications

Iodine Number (mg/g)	700+
Ash Content (wt%)	< 3
Moisture Content (wt%)	< 8
Apparent Density (kg/m <sup>3</sup> )	380
pH	≈9

## Sizing and Packaging

Powder Sizing (micron) <sup>2</sup>	0-100, 0-250, 100-250, 250-425
Granular Sizing (mm) <sup>2</sup>	Various from 0.425 to 6.7 mm
Standard Packaging	20kg Bags or 335kg Bulk Bags

1. Contact for application specific / technical input

2. Contact for alternative / custom size ranges