



Carbon Chicken Pure Biochar: The Nerd Sheet

V.1: The Framework - A Deep Dive into CarbonChicken™ PURE BIOCHAR

To Our Fellow Soil Nerds & Innovators,

Every farmer knows that annual inputs are a fact of life. But what if you could make a one-time, permanent capital investment in your soil's infrastructure? That's the power of **CarbonChicken™ PURE BIOCHAR**. This is not an annual expense; it is the permanent architecture for a truly resilient and carbon-negative farm.



The Artisanal Process: Engineering Permanent Carbon

All biochar is not created equal. Our OMRI-listed Pure Biochar is the result of a precise engineering process we call **Negative Emissions Technology**.

- **The Technology:** We use a state-of-the-art slow pyrolysis system, heating sustainably sourced wood biomass to ~800°F in an oxygen-starved environment. This isn't a smoky, inefficient burn; it's a clean, controlled thermochemical conversion.
- **The Result:** This process forges a biochar with an incredibly high, stable **carbon content of 87% (Ph is 8 - 9 range)** and a vast, intricate internal surface area. For our retail products, we then crush and size this biochar to a fine, uniform grade that is perfect for blending and rapid activation.



What It Actually Does For Your Farm:

- **Creates a "Microbe Reef":** Its millions of microscopic pores provide a permanent, protected habitat for the beneficial microbes that power your soil. It's a lifelong home for the biology from your compost.
- **Acts as a "Nutrient Lockbox":** Its powerful electrical charge (CEC) grabs and holds onto volatile nutrients from manure or fertilizer, preventing them from leaching away and keeping them in the root zone for your plants.

- **Permanently Sequesters Carbon:** Every pound you apply is a pound of carbon that is locked away in your soil for over 1,000 years. It is the most powerful tool you have to turn your farm into a verifiable carbon sink.

Who Is It For?

- **Home Gardeners:** The ultimate **compost supercharger**. Start by layering biochar in your kitchen food scrap pail to **eliminate odors** and capture nutrients. Mixing it into your compost pile will create the best compost you've ever made.
- **Market Gardeners:** The key to creating custom, high-performance soil blends and building a permanent, water-wise foundation that slashes irrigation needs year after year.
- **Commercial Broiler/Cattle Operations:** A revolutionary tool for animal husbandry. Mix it into your **bedding (poultry litter or manure pack)** to control moisture, dramatically reduce ammonia odors, and improve animal health. When the bedding is cleaned out, you are left with a perfectly "charged," pre-blended, carbon-rich feedstock for your own composting operation—turning a waste stream into a high-value asset. When this product is applied to hay pastures, it provides a sponge to hold NPK and reduces leaching into watersheds.

For wholesale orders and consulting on your specific project:

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