



## Carbon Chicken 80:20 Soil Carbon Amendment: The Nerd Sheet

### V.1: The Engine - A Deep Dive into CarbonChicken™ 80:20

#### To Our Fellow Soil Nerds & Innovators,

You've seen composts. You've seen fertilizers. You've probably even heard of biochar. But you've never seen them put together like this. **CarbonChicken™ 80:20** is not a simple mix of ingredients; it is a fully-engineered, living soil ecosystem in a pellet. This is the story of how we build the engine of a regenerative farm.

#### The Artisanal Process: More Than Just a Blend

Creating CC80:20 is a meticulous, multi-stage process that is more like craft brewing than fertilizer manufacturing.



- 1. The Composting Phase (Building the Biology):** We start with nutrient-rich poultry litter, a powerful but volatile resource. We then subject it to a rigorous, four-cycle hot composting process. We carefully manage the pile, turning it each time it reaches **140°F**. This isn't just about decomposition; it's about cultivation. This process eliminates pathogens, stabilizes the volatile nitrogen, and, most importantly, fosters a staggering diversity of beneficial, thermophilic (heat-loving) bacteria and fungi.
- 2. The Inoculation (The "Secret Sauce"):** This is where the magic happens. We take our premium, porous biochar and "charge" it by drenching it with our proprietary **biodynamic microbial tea**. This isn't a simple tea; it's a complex culture we brew for days, teeming with a diverse consortium of life including **mycorrhizal fungi** (the plant root's superhighway), **Azotobacter** (nitrogen-fixing bacteria), **phosphate-solubilizing bacteria**, and a host of other beneficial protozoa and fungi. The biochar's porous structure acts as a "Noah's Ark," protecting this biology.
- 3. The Blending & Pelletizing (Delivering the Power):** We then precisely blend the living, charged biochar with our mature compost at our proven **80:20 ratio**. This final blend is then pelletized. The pelletizing process is critical: it creates a dense, low-dust, and easy-to-apply product that provides a **slow, season-long release** of nutrients

and biology. It's perfect for uniform broadcasting with standard equipment or for a targeted **top-dressing** on plants in mid-season without disturbing the soil.

### What It Actually Does For Your Farm:

- **A Complete Nutritional & Biological Package:** It delivers balanced NPK (3-2-2, but performs like a 6-4-4 due to efficiency), micronutrients, and a massive, living biological workforce in a single application.
- **Builds Stable Humus:** The synergy of compost and biochar creates a "humus-building engine," fueled by the creation of **microbial necromass**, for long-term soil carbon. However, we go a step further by adding concentrated humates and folic acids to our recipe to supercharge the soil regeneration process.
- **Fights Drought & Flood:** The biochar component permanently improves your soil's water-holding capacity and infiltration, making your land a resilient sponge.

### Who Is It For?

- **Market Gardeners:** The perfect all-in-one to boost fertility, biology, and water retention for high-yield, high-quality produce.
- **Home Gardeners:** The "easy button" for creating a thriving, regenerative garden without the complexity. It is also perfect for potted plants and container gardens where the potting soil has been depleted of nutrients and micronutrients.
- **Commercial Row Crop Farmers:** The foundational tool for transitioning to regenerative practices, reducing synthetic inputs, and building long-term soil equity.

