LIVING CARBON™

Living Carbon is a carbon-based agronomic product that unlocks the capacity of soil to cycle nutrients as nature intended. Living Carbon is a composted product blended with essential minerals and living biology. Living Carbon helps provide a proper balance between soil health and soil fertility that increases plant resilience.

What This Means For Farmers

The goal of Living Carbon is to help farmers build and maintain balanced, biologically active soils without increasing nutrient management costs. Over time, customers have reported:

- Input cost reductions of 5% or more
- Yield improvements in the range of 10 – 15%
- Increased profitability, **many as high as 50 – 100%**
- Reduced disease and pest pressure

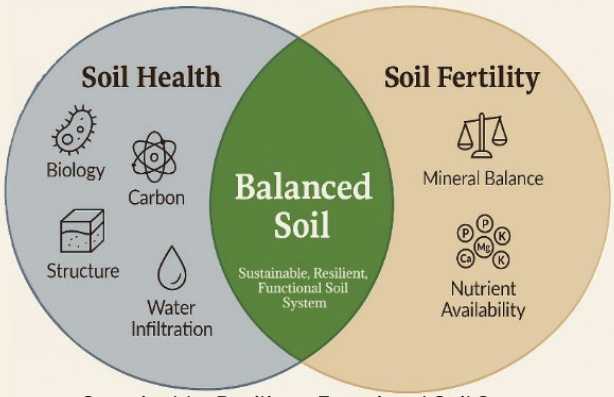
(See the "Producer's Bottom Line" example on the back)

What Living Carbon Brings to the Soil

- A blend of readily available nutrients for early crop establishment and slow-release nutrients for season-long feeding
- A living system with diverse and active soil microorganisms
- A stable, carbon-based foundation that builds long-lasting, beneficial soil structure

How These Soil Improvements Help the Farm

- The carbon-mineral foundation improves nutrient retention, water-holding capacity, and water infiltration
- The porous carbon structure provides an ideal habitat for rapid microbial multiplication
- Vast microbial population digests organic nutrients and converts them into plant available forms



Sustainable, Resilient, Functional Soil System

Clean and Consistent Material

- Naturally heated composting environment kills pathogens common to manures
- Odors significantly reduced compared to manures
- Dry material, much less expensive to transport and apply than manures
- Hauled in bulk loads, comes ready to spread
- Natural, organic, and sustainable

Produced and Distributed By: Soil Carbon Innovations | CarbonCycle Consulting

LIVING CARBON™

Living Carbon Powder Analysis	
Nutrient	**lbs. / Ton**
Carbon	364
Nitrogen	39
Phosphorus	97
Potassium	15
Calcium	285
Magnesium	25
Sulfur	24
+ many more trace minerals	

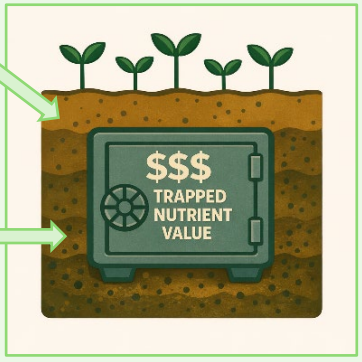
Value Beyond the Product

Typical soils hold thousands of pounds of nutrients and minerals not available to plants because of insufficient biological life. The typical plow layer of a silt loam soil contains on average:

Nutrient	lbs. / Acre	Value / Acre
Nitrogen	3,618	$2,351
Phosphorus	5,200	$8,216
Potassium	35,000	$14,000
Total	43,818	$24,567

One ton of Living Carbon holds minerals and nutrients valued at more than $250.

But the greater value lies in its ability to create access to the $24k of nutrient trapped in a typical acre of soil.



Application Guidelines

- Applied using a litter, lime or appropriate fertilizer spreader.
- Can be applied before planting, after harvesting, and on living plants after planting.

Time Period	Suggested Application Rate*	Typical Additional Nutrients*		
		N	P	K
Year 1-3	1,000 lbs. / Acre	Normal	Reduce / Eliminate	Reduce / Eliminate
Year 4+	750 lbs. / Acre	Normal / Reduce	Reduce / Eliminate	Reduce / Eliminate
*** Based on Soil Type and Soil Testing**				

Producer's Bottom Line

Year	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total	Notes
Acres Treated	500	500	500	500	500	500		
Crop Planted	Corn	Beans	Corn	Beans	Corn	Beans		
Crop Price (Bushel)	$4.00	$11.00	$4.00	$11.00	$4.00	$11.00		
Base Case Yield	200	50	200	50	200	50		
Yield With Living Carbon	210	55	220	60	230	65		
Nutrient Management Savings	$7,500	$7,500	$7,500	$18,000	$18,000	$18,000	$76,500	5% ↓ in Nutrient Costs
Revenue Increase	$20,000	$41,250	$40,000	$70,000	$60,000	$98,750	$330,000	16% ↑in Revenue
Increased Net Revenue*	**$27,500**	**$48,750**	**$47,500**	**$88,000**	**$78,000**	**$116,750**	**$406,000**	27% ↑ in Net Revenue*
Per Acre $ Increase	**$55**	**$98**	**$95**	**$176**	**$156**	**$234**	**$136**	

* Net Revenue = Revenue after paying for nutrient costs

SOIL CARBON INNOVATIONS

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