

BhuKranti – PURE BIOCHAR TABLET

★ PRODUCT DESCRIPTION:

PURE BIOCHAR TABLET — PREMIUM ORGANIC BIOCHAR FERTILIZER

Our PURE Biochar Tablet is an Advanced, High-quality & High-Efficiency soil amendment created to address the common shortcomings of traditional biochar forms. Unlike bulky loose biochar or water-mixed and high-temperature-dried compact products (Pellets/Briquetted), Our Biochar-based Organic Fertilizer Tablet formulated using premium-grade biochar with **Ultrafine particle size**, **Neutral pH**, **Superlative surface area**, **Controlled release & Precise Dosing** mechanism enhances soil performance with **minimal application effort** & make it **ideal for Precision Agriculture, Horticulture, Plantation Crops, and Soil Rehabilitation**.

It functions as a **Sustainable Soil Stabilizer** designed to enhance:

- **Soil Organic Carbon (SOC)**
- **Water & nutrient retention capacity**
- **Soil structure & porosity**
- **Beneficial microbial activity**

The PURE Biochar Tablet's strength lies in its **tablet engineering**:

- **Fine Premium Quality Biochar** provides high reactivity.
- **Natural Binder** ensures controlled release in soil.
- **Purified inert lubricant** enhances stability and handling without affecting soil chemistry.

This combination creates a **Precision, High-Efficiency, Environmentally Safe Biochar delivery system**, improving soil health while significantly reducing the required application quantity.

The tablet form delivers **maximum impact with minimal quantity**, making it a superior alternative to traditional loose biochar.

We treat plants and crops as living beings—just like humans—understanding that they too require balanced nutrition, protection, and a healthy environment to thrive.

With this philosophy, we developed **Biochar in an innovative tablet form**, providing one of the most essential components for soil health in a clean, compact, and efficient way.

Our **PURE Biochar Tablet** restores soil structure, improves nutrient efficiency, enhances microbial life, and ultimately supports stronger, healthier plant growth.

Just as supplements support human well-being, our biochar tablets act as a long-lasting “health booster” for soil and crops—simple to apply, highly effective, and scientifically optimized.

★ Biochar Action in Acidic Soils =

The naturally occurring **nutrient cations** present in biochar help **stabilize the pH of acidic soils**, contributing to improved soil fertility. Biochar also provides a **mild liming effect**, and its inherent alkaline properties gradually **increase soil pH**, reducing excessive acidity.

By moderating soil acidity, biochar creates a more favorable habitat for **beneficial soil microorganisms**, enhancing microbial activity and supporting efficient nutrient cycling. This results in improved soil health, better nutrient availability, and sustained crop growth.

Additionally, biochar enhances **water-holding capacity**, improves cation exchange capacity (CEC) for better **nutrient retention**, and **improves overall soil structure**. These combined effects **boost soil fertility, increase nutrient availability, and support stronger, healthier crop growth**.

★ Biochar Action in Saline/Alkaline Soils =

Our Pure Biochar formulation has a **nearly neutral pH**, making it unlikely to further increase the pH of already alkaline soils. Instead, its neutral character provides multiple **physical and chemical benefits** that help create a more stable and fertile environment for plant growth.

Biochar enhances **soil structure**, improves **nutrient-holding capacity**, and supports balanced **water retention**, all of which are essential in managing alkaline and saline soils. With repeated application, biochar helps **reduce excess sodium (Na⁺)**—the primary cause of soil salinity—through **cation exchange mechanisms**. This gradual reduction of sodium improves soil permeability, reduces compaction, and enhances root development.

These actions contribute to improving the soil's **buffering capacity**, helping stabilize pH and preventing extreme fluctuations that can hinder plant growth and microbial activity.

★ Our formulated biochar features **very low H/C (Hydrogen/Carbon)** and **O/C (Oxygen/Carbon)** ratios, indicating a highly aromatic structure with excellent **long-term stability, high fixed-carbon content**, and superior **carbon sequestration potential**.

Additionally, its **balanced Carbon-to-Nitrogen (C/N) ratio** supports healthy microbial populations by providing sufficient carbon for energy and adequate **nitrogen for protein synthesis**. This balance prevents nutrient lock-up (immobilization), ensures efficient decomposition, and promotes robust plant growth while **enhancing soil biological activity**.

★ Technical Specifications/Nutritional Content/Characteristic Analysis (Approximate Values)

Physical Parameters

Parameter	Results
Disintegration Time in water	3 minutes
Disintegration behavior in low water	Swells 3x of original weight & Liquifies
Moisture Content	4.90 %
Bulk Density	0.6 g/cm³
Particle size / Particle size distribution (Powder form)	100% = <0.5mm
Total Surface Area (Powder form)	<2 to 220 m²/g
External Surface Area (Powder form)	< 2 to 207 m²/g

Performance Tests

Test	Results
Germination Inhibition Assay	No Inhibition (IBI: Complied)
Earthworm Avoidance Test	Pass
Water Holding Capacity (WHC)	290 % (EBC: ≥200%)

Microbiological Limits

Parameter		Results
Total Plate Count (TPC)		45092 CFU/G
Yeast & Mold		39 CFU/G
Pathogens	E. coli	Absent (FCO complied)
	Salmonella	Absent (FCO complied)
	Pseudomonas aeruginosa	Absent (FCO complied)
	Enterobacter aerogenes	Absent (FCO complied)
	Total Coliforms	Absent (FCO complied)
Total microbial load		45092 CFU/G

STORAGE & HANDLING :

Store in a dry place.

Do not store above 45 °c.

Protect from Direct Sunlight & Moisture.

Keep the bag sealed.

SAFETY INFORMATION :

Eco-friendly & non-toxic.

Not for human or animal consumption.

For agricultural use only.

Follow us on :



/ Campro.Biofertilizer



/Campro Biofertilizer

Chemical Properties

Parameter	Results
Total Organic Carbon (Corg)	48.6 % (FCO COMPLIED/ IBI Class 2)
Total Carbon (Ctot)	58.9 %
Organic Matter	88.6 %
pH	7.35
Electrical Conductivity	0.5 dS/m (FCO: <4 dS/m)
Salt Content	1.9 mg KCl/L
Ash Content	17.54 %
Dry matter	96 %
H/C ratio	0.31 (IBI/EBC: ≤ 0.7)
O/C ratio	0.22 (EBC: ≤0.4)
C/N Ratio	17 (FCO: <20)
Elemental Carbon (C)	1.9 %
Elemental Hydrogen (H)	3.7 %
Elemental Oxygen (O)	2.8 %
Total N, P, K ⁺	5.7 % , 2.1 % , 2.8 %
Available Nitrogen (ammonium and nitrate), Available Phosphorous	2.8 mg/kg 1.6 mg/kg
Total Ca, Mg, S, Mn, Fe	Ca -6.7%, Mg -0.45%, S -0.24%, Mn-0.33%, Fe-9.4%
Available Calcium, Magnesium and Sulfate	0.4 mg/kg, 0.11 mg/kg, 3.5 mg/kg
Volatile Matter	6.9 %

* Total K is sufficiently equivalent to available K for the purpose of this characterization (As per IBI guidelines, Ver. 2.1)

* Contaminants (Heavy Metals & Organics): Within permissible limits mentioned in IBI/FCO/EBC/WBC

(16 EPA PAH, 8 EFSA PAH, PCBs, PCDD/F, Benzo[E]Pyrene – Not Detected)

MANUFACTURED & MARKETING BY :

CAMPRO,

Sagar Developer, Q Group, Unit No.B/3, Survey No. 352 B-1,

Western Express Highway, Next to JIO Petrol Pump,

Viva compound, Nalasopara East -Pelhar, Maharashtra - 401208.

Customer Care: 7768878618 / 8452849981

Email : biobhukranti@gmail.com

Website : www.bhukranti.com



MFG. License No. :

Batch No. :

Mfg. Date :

Exp. Date :

M.R.P. ₹ :

(Inclusive Of All Taxes)

USP ₹/kg :

Net Weight :

BhuKranti BIOCHAR TABLET SERIES

**PREMIUM BIOCHAR TABLETS FOR
SUSTAINABLE GLOBAL AGRICULTURE**



Our product conforms to all required specification limits for physical, chemical, contaminant, and agronomic performance parameters in accordance with following standards.

- **FCO (Fertilizer Control Order - India)**
- **WBC (World Biochar Certificate)**
- **EBC (European Biochar Certificate)**
- **IBI (International Biochar Initiative)**

Ensuring safe, sustainable, and high-performance agricultural use.

INGREDIENTS:

Each Compressed Tablet Contains:

Pure Biochar 73.5 %

Excipients (Pharma Grade) Q.S.

RECOMMENDED APPLICATION DOSE :

- Field Crops: 335 kg/acre
- Horticulture: 50–60 kg/acre
- Nursery/Potting: 5–10% of potting mix

DIRECTIONS FOR USE :

Apply during soil preparation, basal dose, or plantation.

For better Results - Incorporate into topsoil (10–30 cm deep) and irrigate.