AMERICAN BIOCHAR COMPANY

# Technical Data Sheet

# NAKED Char® *Activated Biochar*

## Purpose:

- Improves physical and biological soil characteristics
- Increases soil cation exchange capacity
- Improves water holding capacity
- Reduces leaching of fertilizer and nutrients
- Decreases soil compaction & has liming effects
- Promotes healthy soil microbiology
- Remediates contaminants and excess salts
- Sequesters carbon & reduces carbon footprint

| General Information | |
|---|---|
| Composition | 100% Wood BioChar |
| Feedstock | Southern Yellow Pine Species |
| Production Method | Pyrolysis, temp. range of 550-900° C |
| Pore Surface Area | 557 acres/cf (225 hectares/cf) |
| Carbon Content | 77.6% (USDA 95%) |
| Particle Size | .5mm – 2.0mm |
| Bulk Density | 15.1 lbs/cu ft |
| Moisture Content | 25 – 46% |

| TYPICAL ANALYSIS | |
|---|---|
| pH | 7.5-9.0 |
| Hydrogen:Carbon Ratio (H:C) | 1:3 (.37) |
| Nitrogen (N) | .40% tdm |
| Phosphorous (P) | 837 mg/kg |
| Potassium (K) | 1215 mg/kg |
| Iron (Fe) | 1014 mg/kg |
| Manganese (Mn) | 457 mg/kg |
| Sodium (Na) | nd |
| Magnesium (Mg) | .36% dwt |
| Calcium (Ca) | 2.22% dwt |
| Zinc (Zn) | 14.1 mg/kg |

OMRI LISTED For Organic Use

USDA CERTIFIED BIOBASED PRODUCT

IBI certified biochar

Made in USA


Available sizes: 2 CY Tote
1.5 CF Bag (pending)

## Application

**Non-Ag Rates for 50% blended Biochar**
**Turf and Landscape bed rates:** 1.5 - 3 gallons/ 1000 sf
**Tree rates:** half gallon/ inch dbh

**Conventional Agriculture rates:**
.25 -1.0 cf/ 1000 sf (10 - 44 cf/ acre)

**Aggressive (Remediation) Agriculture rates:**
1 -3 cf/ 1000 sf (45 – 130 cf/ acre)

Work into the soil, top-dress, broadcast or banding (may vary on per row acre), 1-2 times per year.

**Note: Generally, biochar should not be used unless it has been pre-charged for non-agriculture applications.**

Please contact the office for more specific application details.

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