

BIOCHAR & Bio-Pyrolitic distillate

a natural liquid fertilizer, soil conditioner and remover



THE NEW WAY IN THE FUTURE
FOR A NATURAL LIFE





Explocom G.K. SRL is a **bio-charcoal** producing company founded in 1992. The family business is present as a leader in the Romanian market for 25 years and it's active on international markets as well. The products are: Barbecue and grill charcoal, charcoal briquettes, industrial coal and Biofarm + organic soil fertilizer. The packing process is made with two Automated Devices in high-quality, durable packaging. All the products are in line with EN-1860-2 and according to European parameters we have the quality Premium! The manufacturing process technology is under Explocom GK patent.

The company buys wood waste in any quantity.



Explocom GK Srl launches a new Green Innovation investment project **“Circular Economy based Biochar Activation in Romania – CEBAR”** by co-financing from EEA and Norwegian Financial Mechanism for 2014–2021, by fund operator Innovation Norway in the SME Development Program in Romania, under the Green Innovation in Industry sector.

Within the project, the company's production capacity will be significantly increased through innovative, greener and more environmentally friendly technologies. By implementing the project, the company will be able to produce 6000 tons of BIOCHAR, using as raw material wood waste generated by industrial stakeholders. In addition, various bio-innovative secondary products will be produced (e.g. bio-chemicals).

The value of the project is EUR 2,723,392 excluding VAT, of which the amount of the grant is EUR 1,771,000.

Green technology for 100% organic materials and ecological products .

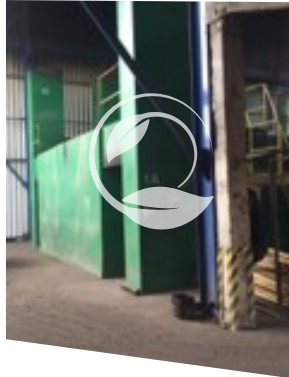
Wood waste



Wood-chips



RETORT system



Distillation system



High-Quality Bio-Char





PRODUCTS

Substance identity: Bio-char

EC/List no: 307-008-6

Cas no: 97488-71-6

Customs code: Charcoal - 4402900

Granulation: 0 - 20 mm



2.35 KG e

5 L e



6.35 KG e

18 L e





BIO - CHAR

Biochar) is an organic improver that is a carrier of nutrients and microorganisms. It can also be used in a mixture with manure. The efficiency of manure can be increased because biofuels bind and store microorganisms, microelements (Fe, Br, Cu, Ph, Mn, Mg) and water. Under these conditions they enrich each other. The charcoal is subsequently transformed into humus. Bio Charcoal (Biochar) is an odorless black crystalline porous material.



WHY TO USE BIO - CHAR?

Improves the water storage capacity of the soil

Develops and grow the bacterial environment of the soil

Provides effective protection against plant pests

Controls and absorbs toxic, poisonous substances / heavy metals

Prevents the leakage of mineral and organic nutrients from the soil

Reduces dinitrogen oxide and methane emissions



Conducts and stores
microelements



grass



cereals



flora

Helps to convert nutrients
and soil ventilations



trees



vegetables



vine

PACKING

1m x 1m x 2.15m

24 pc / pallet



2.35 KG e
5 L e



12 pallets - 2880 pc

20 " container

24 pallets - 5760 pc
40 " container

1m x 1m x 2.15m

54 pc / pallet



6.35 KG e
18 L e



12 pallets - 648 pc

20 " container

24 pallets - 1344 pc
40 " container



Can be used for home gardening & professional gardening

Is suitable for any type of soil, foil houses and farmland

Recommended quantity 1 kg for m²

Store in a dry place

Content of water: max 12%

Volatile substance content: 8-19%

Carbon content: 70 -76%

Ash contents 3-6%

Ph value \approx 9

Recommended categories

01 5 Liters

Hobby gardening & private use

02 18 Liters

Flower houses & organic
gardening, greenhouse systems

03 Bags \approx 450 kg

**SPECIAL extensive agricultural
areas** . Usage: composting. Absorbs
the ammonia during composting

Packing

2 bags / Pallet [1m x 1 m x 2.2 m]

20 " container – 12 pallet – 24 bags

40 " container - 22 pallet - 44 bags



Alternative usage in agriculture



For professional farming



Supplementary feed for animals – improves digestion

RECOMMENDED QOUNTITIES

HORSES & COWS

0,12 kg for 700 Kg

0,08 kg for 500 kg

0,04 kg for 250 kg

CATTLE

0,5 g / 1 kg body weight

POULTRY

0,5 g / 1 kg body weight

GOAT & LAMB

0,5 g / 1 kg body weight

PIGS

0,5 g / 1 kg body weight



Packing: plastic bucket – 18 Liters





Bio-Pyrolitic distillate

Substance identity: Plant growth regulator

EC/List no: 232-450-0

Cas no : 8030-97-5

Customs code: 3808939000



Organic fertilizer solution

Helps healthy grown of plants, improves their ability to defend themselves from diseases / pests.



Acid pyrolignos - Humic acid

A special nutrient for all kinds of soil. Creates a proper structure of the soil.



Effective biological product

Increases water retention, balances cation exchange, salt decomposition, and restores soil structure.



Advantages in growth phase:

- ✓ Increases the weight of the root system and improves its structure.
- ✓ It facilitates mineral absorption.
- ✓ Increases biological soil activity
- ✓ Helps supply nutrients to the plant.
- ✓ Accelerates cell division (root and foliage).
- ✓ It generally increases biomass.
- ✓ It can be used on all substrates and all irrigation systems.

→ Irrigation: 1 to 3 ml / L (max. 5 ml / L)

→ Spray dose: 1 to 4 ml / L



250 ml e



Art. Nr. EXP: 5711904

24 pieces / box - 117 box / Pallet
- 2808 pc / Pallet



5 L e



Art. Nr. EXP: 5711903

192 pieces / Pallet
20 "container - 3850 pieces



*Size of pallets:
1.2 m * 0.8 m

20 L e



36 Pieces / Pallet
40" container - 1000 pieces

1000 L e



Art. Nr. EXP: 5711905

20" container - 20 pieces

Ingredients

Units

Sample Code 4834

Nitrits	mg NO ₂ / dm ³	< 5*
Nitrogen kjeldahal	mg / dm ³	< 1,0
Nitrate	mg NO ₃ /dm ³	< 50*

Elements

Boron	mg / dm ³	< 2
Copper	mg / dm ³	< 0,4
Iron	mg / dm ³	533
Magnesium	mg / dm ³	<0,4
Manganese	mg / dm ³	0.81
Molybdenum	mg / dm ³	3,42
Potassium	mg / dm ³	<0,2
Zinc	mg / dm ³	< 20

→ 3,6 PH

Validity terms

In the original packing, at a temperature between 5 ° C and 20 ° C, it will retain its warranty for an unlimited period. To keep away from the sun.

Warning

Overdose has the opposite effect. Concentrated undiluted solution can lead to the burning and destruction of plants.

Keep the product away from children! Keep away from food, drink and animal feed. Avoid skin and eye contact.

Property rights

The product is produced by dry distillation in a pyrolysis retort system.

Sustainability

The product is 100% natural, it is produced during the carbonization of the wood.



Mode of application of the Bio-Pyrolitic distillate

1. **Berries:**

Strawberries, Raspberries, Blackberries, Blueberries – 300 ml/100 Lt water – Starting 2 weeks after transplanting or sprouting.

2. **Vegetables:** Brussels Sprouts, Broccoli, Beets, Beans, Asparagus, Artichokes, Burdock Cardoon, Cabbage, Carrots, Cauliflower, Chinese Cabbage, Collards, Melons, Leeks, Husk Cherry, Horseradish, Fennel, Eggplant, Cucumber, Corn, Okra, Onions, Parsnips, Peas, Peppers, Potatoes, Pumpkins, Radishes, Shallots, Squash, Sweet Potatoes, Tomatoes, Turnips, Watermelon – 300ML/100 Lt water – Weekly- Starting 30 days after Germination or two weeks after transplanting.

3. **Leafy Vegetables:** Mustard Green Pac Choi, Kale, Herbs, Green Mixes, Endive, Carlton, Cress, Asian Greens, Arugula, Belleza, Celery, Celeriac, Chicory, Lettuce, Spinach – 200 mL/ 100 Lt water – Weekly – Starting two weeks after transplanting.



4. **Citrus:** 7-8 Lt/1000 Lt water/Monthly with the crop spray

5. **Fruit Trees:** Apples, Apricots, Nectarines, Grapes, Cherries, Plums, Pears, Peaches -6-7 Lt /1000 Lt water - Every two weeks with the crop sprays.

6. **Soil Application:** 20 LTS/1000 Lt of water - to cover 1 HA

7. **Ornamentals:** 200 ML/ 100 Lt water - Weekly starting 20 days after emergence or 10 days after transplanting.

8. **Fert-Irrigation:** Weekly-0.05% or 1LT/2000 Lt water of solution

9. **Herbicide Mixture:** (postemergence) - 200-250 ML/100 Lt water / of spray solution

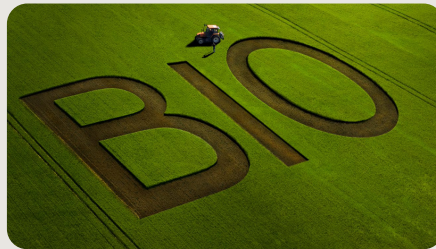
10. **Hydroponics:** Use enough volume to adjust solution pH to 5.5 to 6.5, every time Ph adjustment will be done.



WOOD POWER BENEFITS



1. Natural defensive by controlling directly some pests and diseases and indirectly aiding in the control of pests and diseases by increasing plant self defense.
2. Plant growth stimulant since it increases the photosynthesis rate of the plants and absorption and transport of nutrients, resulting in better plant rooting and improved plant self defense and as a final result increased crop productivity and quality.
3. It reduces the time of the composting process and decreases the ammonia gas emanation if applied in irrigation or spray to the substrate, as it increases the population of microorganisms that will act directly on the transformation of the substrate into humus.
4. For the treatment of solid and liquid organic waste because it eliminates bad smell and files from piggery effluent, chicken farm , stables and even in sanitary landfills.





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