



3R CARBONIZATION EQUIPMENT



3R AGROCARBON

ADVANCED CARBON BIO-REFINERY HIGH-TECH PYROLYSIS TECHNOLOGY

The **3R AGROCARBON** is a natural Phosphorous recycling and reuse **ZERO EMISSION TECHNOLOGY**, for economical conversion of agri/food waste bio-resource streams to high added value products. **Standard input industrial capacity is from 4 m3/h (30,000 m3/year).**

The **INPUT FEED STREAMS** are low value (plant/animal) organic by-products and waste streams; such as high Phosphorous content category 3 animal bone meal, refuse grain, food processing waste, agricultural/forest industrial by-products and excess organic materials.



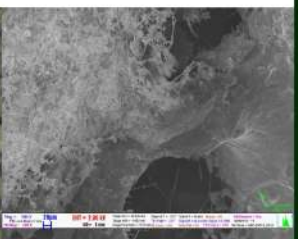
BONE MEAL



BONE CHARCOAL



BIOTECH Formulation



SEM PICTURE

The revolutionary **3R** invention provides **zero emission pyrolysis thermal processing** - including advanced refinery of raw pyrolysis oil to green transportation fuels - and integrated soil biotechnological processing (solid state fermentation and formulation).

The added value **OUTPUT PRODUCTS** are:

- ✓ High economical value **REFINED CARBON** and bio-technologically formulated products for wide range of agri (**natural P fertilizer, plant growth promotion**) and environmental (adsorbent) applications,
- ✓ **RECYCLED NITROGEN FERTILIZER** (liquid ammonium hydrogen carbonate),
- ✓ **TRANSPORT FUEL QUALITY REFINED BIO-OIL** and **green ENERGY**.



“ CONVERTING TRASH INTO CASH ”

<http://www.3ragrocarbon.com>