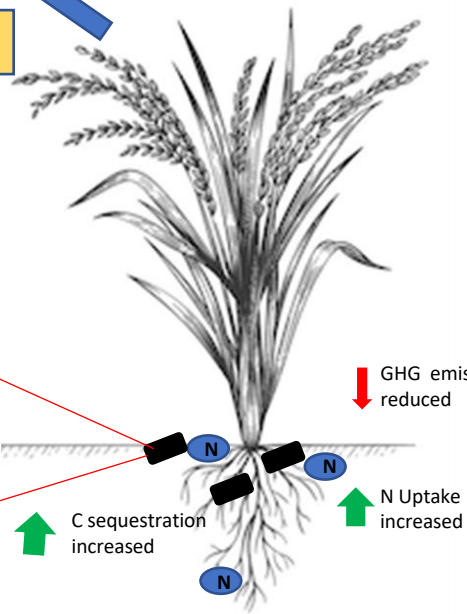
Recycling rice husk waste in paddy fields in the Dry Zone of Sri Lanka in the form of a slow release urea fertilizer

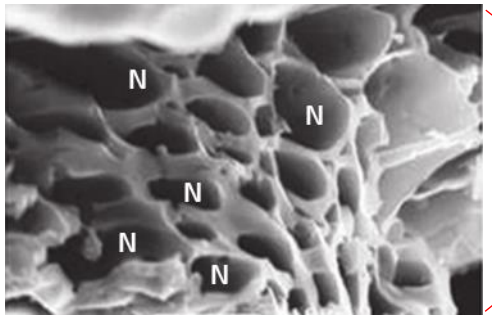
Pyrolysis
at 450°C -600°C

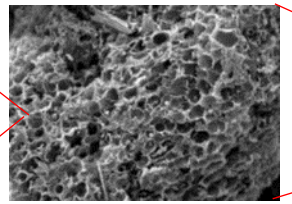
Kunthaniya

Rice Husk

Rice Husk Biochar







Dissolving

Mixing

Drying

Pelletizing

Urea

Slow release fertilizer

Field application
2, 4 and 7 weeks after broadcasting rice

Increase fertilizer use efficiency
Improve soil fertility
Reduce GHG emissions