



**Biological and
Agricultural
Engineering
Department**

Disclosure Number: Ag- 1102

Rice Hulls for Biofiltration

Inventors: Steven Hall, Troy Davis, Ron Sheffield

Description:

AgCenter scientists have discovered a novel use for rice hulls as a biofiltration medium. The high amount of surface area, low carbon content, and unique shape promote the growth of bacteria that degrade pollutants. Since rice hulls are waste materials, they are readily available and affordable for use. In addition, their high silica content prevents them from degrading quickly.

Advantages:

- Higher nitrification rates
- Slower degradation than other organic materials
- More resistant to fouling

Commercial Uses:

- Wastewater treatment
- Waste management
- Biological filter growth media

Find Intellectual Property on the Web @ www.lsuagcenter.com/intellectual

For more information, contact:
Wade Baumgartner

225.578.7742
wbaumgartner@agcenter.lsu.edu