Soldier Fly Digester

Black Soldier Fly (BSF) Larvae Composting System

Clemson Creative Inquiry students led by bio-energy ‘guru’ David Thornton and
Student Organic Farm manager Shawn Jadrnicek have developed a pilot BSF
composting system for bioconversion of food and farm waste into compost, animal
feed and oil for biodiesel fuel production. The low-cost system is installed at the
farm adjacent to a hoop house-type greenhouse to facilitate year round production
of BSF. Various types of waste material (cafeteria food waste and cull vegetables from
farm production) are placed into the system where the BSF larvae digest and
convert the waste into useable materials for the farm. BSF pupa are collected and
can be dried and pressed to extract oil for biodiesel, and remaining meal can be
used as a chicken feed, fish feed, and fertilizer.

More information can be found here: clemsonbiofuels.wordpress.com