Black Soldier Fly beneficiation of primary, secondary, and faecal sludges

Marc Lewis
marc.lewis@thebiocycle.com
The Problem:

"See? It’s not a turd! It’s compost!“ tom eaton
A Novel Solution:
A Novel Solution – industrializing the process:

Life cycle of H. illucens:
- Eggs: Number: 350 to 2,000
  - Average per female: 980
  - Hatch time: approx. 4 days
- Incubation: 5 days
- Pupation: 6 to 15 days
- Maturation: 4 days
- Adult: Lifespan: 5 to 8 days
- Nursery: 4 days
- Grow-Out: 10 days
- Breeder: 5%
- Harvest: 95%
Our Business:

- INSECT TECHNOLOGY GROUP
  - AgriProtein
  - Circular Organics
  - MultiCycle
  - THE BIOCYCLE
  - ITG BIOPOLYMERS
A Novel Solution – industrializing the process:
Figure 1: The effect of different feeding rates on waste reduction of waste activated sludge (WAS) and primary sludge (PS). Batch numbers signify different treatments of the same feeding rates. The error bars show the standard deviation (n=6).
The Science:

Photo: Koos Groenewold - https://www.poultryworld.net/Nutrition/Articles/2019/7/Insect-meal-Good-for-bird-and-eggs-451646E/
Product Development:

A HIGH QUALITY INSECT-BASED PROTEIN FOR ANIMAL FEED
FOR CHICKEN, PIGS AND FISH

Our guarantee is to provide the highest quality inputs for animal feed, so that you can consistently create the best feeds and achieve optimal animal growth. We guarantee consistent supply, quality, and price.

<table>
<thead>
<tr>
<th>TEST PARAMETERS</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture content</td>
<td>&gt;10%</td>
</tr>
<tr>
<td>Fat</td>
<td>&gt;40%</td>
</tr>
<tr>
<td>Crude protein</td>
<td>30% - 40%</td>
</tr>
<tr>
<td>Crude fiber</td>
<td>&lt;2%</td>
</tr>
<tr>
<td>Total ash</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Acid insoluble ash</td>
<td>&lt;4%</td>
</tr>
<tr>
<td>Calcium</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Phosphorus</td>
<td>&gt;0.8%</td>
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<tr>
<td>Lysine</td>
<td>1%</td>
</tr>
<tr>
<td>Methionine</td>
<td>&gt;0.4%</td>
</tr>
</tbody>
</table>

MADE IN KENYA
Kuzapro is produced, and distributed by the FarmPro brand.
For more information please contact:
Michael Kanyoro
Tel: +254 727 644 563
E: michael@farmpro.co.KE
www.farmpro.co.ke
Product Development:
Thank you: