

Dried Distillers Grain Alternate Uses

Track Code: 65095

Categories:

- Agriculture

Keywords:

- Agriculture
- Distillers Dried Grains with Solubles (DDGS)
- Ethanol

As ethanol production continues to ramp up, the volume of remnant by-product of dried distillers grain solids (DDGS) is becoming a bigger issue. Current uses include animal feed; however, only certain domestic animals can digest it as a meaningful feed.

Researchers at Purdue University have developed a process for using DDGS as a natural carrier for chemicals. Because it is known that grain will absorb moisture, researchers developed a process for reducing the DDGS to a uniform, micro-sized particle, coated with water-based chemicals. These tiny particles can spread uniformly across an intended area and have the potential for time-release delivery.

Advantages:

- Useful application for DDGS, which is abundant, but has limited applications
- Potential use for time-release delivery

Potential Application:

- Agriculture

People:

- Ileleji, Klein E. (Project leader)
- Probst, Kyle

Intellectual Property:

Application Date: November 12, 2015

Type: DIV-Patent

Country of Filing: United States

Patent Number: 10,051,858

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Application Date: May 12, 2011
Type: CON-Patent
Country of Filing: United States
Patent Number: 9,272,468
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Application Date: April 3, 2009
Type: Utility Patent
Country of Filing: United States
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Issue Date: February 21, 2012

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