Eco Friendly Microbes in Probio BioAg Manage Crop Residue in Maize

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CAPE TOWN, WESTERN CAPE , SOUTH AFRICA, March 9, 2015 /EINPresswire.com/ -- MANAGING CROP RESIDUE IN MAIZE WITH PROBIO BIO AG

Pivot irrigation farmers in Prieska utilise crop rotations to maximise land-use productivity during their primary crop off-seasons. These rotations are an integral activity aimed at improving the sustainability of any agricultural operation, but they also present the farmer with the challenge of managing post-harvest residues.
The effective management of crop residues in maize based rotations has been one of the biggest obstacles faced by these farmers.
Crop residues contain macro nutrients such as nitrogen, phosphorus, potassium and sulphur. The mineralization of these nutrients into plant available forms is a complex process that occurs over a long period of time. This process may however be accelerated through increases in microbial diversity. These microbes are typically deficient in agricultural soils, due to decades of damaging activities such as excessive tillage and pesticide applications.
To assist with this problem, Probio Bio Ag was introduced to the farmers. Bio Ag increases the rate of residue decomposition, irrigation efficiency and decreases soil erosion.

BioAg is an all-natural probiotic liquid containing large amounts of powerful, living, beneficial microbes. The actions of these microbes, and the secondary metabolites that they produce, help to eliminate disease causing pathogens and assist in the rapid breakdown of the maize crop residues. As a result, humus is formed from the compost residue thereby improving the health and well-being of the soil.
The Prieska farmers found an increase in the rate of residue breakdown and an increase in the rate and evenness of seed germination when Bio Ag was applied in the planting furrow.
Bio Ag does not contain harmful ingredients or chemicals and is therefore safe for humans, animals, fish and plants, making it a smart and sustainable choice!

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