

ICRISAT to develop Plasma technology for draught prevention at Indian agriculture

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The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) based at Hyderabad (Southern India) & the US Water Tech Company, Plasma Water Solutions India Pvt Ltd based at Mumbai (India) have signed MoU to initiate genetic studies to address the challenges of dryland farmers.

The initiative will be enabled by germplasm and genetic studies with ICRISAT gene bank accessions, and technology trials with different plasma applications to different stages of crop life cycles using the testing capabilities of ICRISAT and real-world field POCs in partnership with farmers and growers.

Plasma Water Solutions Inc., a US based water technology company with subsidiaries in India, Germany and Chile addresses the world's most pressing water issues by innovating ground breaking water-based solutions. The International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) is a pioneering, international non-profit scientific research for development organization, specializing in improving dryland farming and agri-food systems. â???

Robert Hardt, President & CEO of Plasma Waters along with the Global Management Team, Mr Jerry Zuchowicki, CRO, Dr Roger Pennell, CDO and India MD, Pragya Kalia visited facilities at ICRISAT to discuss various study areas relevant to the region.

Plasma Waters technology uses simply air, water & electricity to convert water into Plasma-ized Water™ "in-situ", in a continuous flow from any source by passing the water into the patented Plasma Chamber.

Plasma-ized Water is pathogen free & consists of certain reactive oxygen & nitrogen species which boosts the immunity system in seeds & plants. Through extensive field tests at large scale in the USA, it has been validated that Plasma-ized Water enables better & faster growth, deeper root mass, disease resistance & stress tolerance levels in plants.

This results into higher quantity & better quality of yields for farmers with reduction in chemicals usage during the farming process which makes it a very healthy proposition for consumers & much needed sustainable practice for our environment. Results have shown up to 20% increase in agricultural output promising hope for millions of farmers suffering from declining yields across India and sub-Saharan Africa.

Plasma-ized waters application ranges from Seeds Treatment, Crop Protection & Irrigation. Results have been transformative in Sorghum, Millets, High Value crops, Cotton, Melons & Horticulture crops.