

Category	: International Rice Research Conference
Select Theme	: Climate change and environmental sustainability
Endorsement email	:
Keyword 1	: Environmental sustainability
Keyword 2	: Soil, water, and air pollution
Keyword 3	: Biodiversity
Title of Entry	: Rinskor™ Active herbicide an environmentally friendly tool for weed management in rice and aquatic environments.
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Affiliation 1	:
Affiliation 2	:
Select only one type of presentation	: 15 minute oral presentation
Abstract	: Rice production areas face significant environmental and productivity challenges due to the lack of tools for the control of invasive weeds. Rinskor is a new herbicide technology that allows rice farmers to control invasive and difficult to control weeds with very low use rates (e.g. 10-30 gr ai/ha). Since Rinskor is not toxic to non-target aquatic and terrestrial organisms (except vascular plants), Rinskor applications allow farmers to integrate rice production with aquaculture with no adverse effects to typical farm animals (bees, poultry and livestock). Rinskor controls the weeds present at the time of the application and dissipates very quickly in soil and water, and thus the product is not classified as persistent or does not bio accumulate in the environment. Mammalian toxicological studies conducted with Rinskor demonstrated it did not cause any adverse health effects to the tested animals, therefore Rinskor poses minimal risk to farmers and applicators. USEPA granted the designation of Reduced Risk Pesticide to Rinskor for weed control use in rice and aquatic environments. This designation is underpinned by the excellent human health profile of the product, the role of the product's auxinic mode of action in integrated pest management strategies for herbicide resistant weeds (e.g., weeds resistant to ACCase and ALS-inhibitors), and the product's effectiveness in the control of invasive weeds (e.g., Myriophyllum spicatum, Hydrilla verticillata, Eichhorria crassipes) that degrade the aquatic environment to the detriment of native species and other desirable aquatic organisms. As it is introduced into key production areas, Rinskor™ will become an important tool for growers' responsible and sustainable management of weeds in rice culture. Rinskor™: Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow.

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