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Nitrogen Contents in Soil, Grains, and Straw of Hybrid Rice Differ When Applied with Different Organic Nitrogen Sources

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Abstract:

In the rice—wheat (R—W) system, inorganic nitrogen (N fertilizer (urea, etc.) is the largest component of the cycle, because the supply of N from organic fertilizers LQVXIILFLHQW %XW WKH ,QL ganic matter and stimulate carbon sequestration in so using best agronomic practices (sustainable managem practices) which are economically, environmentally, at socially friendly. This research project was, therefor designed to assess the impact of various organic so es (OS, animal manure versus plant residues), inorgic N (urea), and their different combinations on the N

7 K H U H V X O W V U H Y H D O H G System. Integrated use of wife with organice as well as in rice plants ranked first when applied wiff arbon sources (animal manures and crop residue) could urea. N, followed by the application of N in mixture (ure sustain rice-based (exhaustive) cropping system.

+ OS), while the control plots (no N applied) ranked abiography:

the bottom. Among the six OS (three animal manures: Amanullah is currently associated with Nanjing Agricul poultry, sheep, and cattle; and three crop residues: on tural University, China ion, berseem, and wheat), application of N in the form

of poultry manure was superior in terms of higher N corRecent Publications:

centrations in both soil and plants. Applying the required. Agriculture 2020, 10(9), 386; https://doi. WRWDO 1 NJ 1 KD LQ WKH I Robb/70.8390/agridultube/ROP908866 HD

1 IURP 26 UHVXOWHG LQ KLJKHU 1 FRQFHQWUDWLRQV LQ VRLO DQG SODQWV LQ < 7KH UHTXLUHG WRWDO 1 NJ 1 KD DSSOLFDWLRQ LQ WKH IRUP RI 1 IURP XUHD

N from OS produced higher N concentrations in soil and

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