TAKE IT TO THE FIELD

Mix CRU and RU in the right proportion for sustained nutrition of sugarcane to generate high yield and profitability.

ment in year 1, and $587, $471, and $400/ha higher in year 2, respectively. This further confirms that application of CRU to sugarcane is cost effective, and use of CRU blends with RU may be more profitable than applying CRU alone.

Summary

Applications of CRU can reduce the frequency of N fertilizer applications when compared to RU management, and can significantly increase sugarcane yields in both the planted and the ratoon cane seasons. The blended treatments of CRU+RU (60:40 and 80:20) and 100% CRU produced the highest cane yields over the 2-yr period. This yield advantage is attributed to the increased number of millable canes and single cane weight. The three CRU treatments produced higher net incomes than the RU (1), suggesting that CRU would be a preferred source of N for sugarcane, and blends of CRU+RU in appropriate proportions might be more effective than CRU alone when used in similar growing conditions.

Acknowledgement

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Table 4. Economic returns of different treatments.

Treatment	Net income[2], US$/ha 2013	2014
No N (CK)	2,028	2,667
RU (2)[1]	4,568	5,836
RU (1)	4,597	5,787
CRU (1)	5,064	6,187
CRU @ 80% N rate (1)	4,352	5,833
CRU @ 70% N rate (1)	3,988	5,523
CRU+RU (60:40) (1)	5,241	6,374
CRU+RU (80:20) (1)	5,118	6,258
CRU+RU (60:40) @ 80% N rate (1)	4,512	5,918

[1]Numbers in the parentheses refer to the number of side-dressings.
[2]Net income refers to the values after deducting the total cost including fertilizers (CRU prices have exceeded RU by US$154 to US$200/t), pesticides, labors for fertilizer and pesticide applications, irrigation, and harvest.

Prof. Zhou (e-mail: lqzhou@gxaas.net), Mr. Huang, Ms. Zeng, and Ms. Zhu work at the Institute of Agricultural Resources and Environment, Guangxi Academy of Agricultural Sciences, and Prof. Tan is with the Sugarcane Institute, Guangxi Academy of Agricultural Sciences, Guangxi, China. Dr. Tu is Deputy Director, IPNI China Program, Chengdu, Sichuan, China

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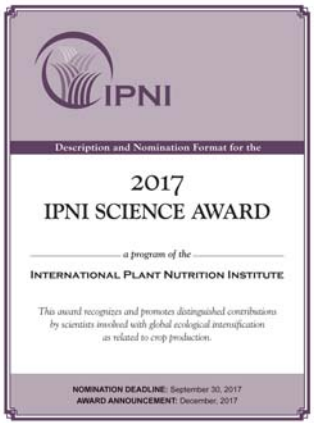
IPNI Science Award – Nominations Are Due September 30, 2017

Each year, the International Plant Nutrition Institute (IPNI) offers its IPNI Science Award to recognize and promote distinguished contributions by scientists. The Award is intended to recognize outstanding achievements in research, extension or education; with focus on efficient management of plant nutrients and their positive interaction in fully integrated crop production that enhances yield potential. Such systems improve net returns, lower unit costs of production, and maintain or improve environmental quality.



The IPNI Science Award requires that a nomination form (no self-nominations) and supporting letters be received at IPNI Headquarters by September 30, 2017. Announcement of Award recipient will be in December, 2017. An individual Award nomination package will be retained and considered for two additional years (for a total of three years). There is no need to resubmit a nomination during that three-year period unless a significant change has occurred.

Dr. Ismail Cakmak (right) receives 2016 IPNI Science Award from Dr. Terry Roberts, President IPNI.

All details and nomination forms for the 2017 IPNI Science Award are available from the IPNI Awards website http://www.ipni.net/awards.