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Application & Impact of improved Sugarcane Technology at Ramzan Sugar Mills Limited

Abstract:

Sugarcane is lengthy crop which grows up in variate climatic factors. However, in order to get optimum results its quality and quantity per acre yield is a need of hour in connection of its elevated price every year. Therefore, in order to proceed, certain measures have to make. Therefore, focus was made on core aspects i.e. improved agronomic practices, Disease free seed, Nursery preparation, application of Fertilizer, Management of micronutrient, Pest, disease/weed Management and finally Ratoon crop. Therefore, realizing the significance of such potential opportunities, an implementation was made at Ramzan Sugar Mills during 2015 which ultimately reflected improved results. Primarily contributed activities were,

**Projected measures**

1. Land preparation, sowing geometry & seed Rate
2. Encouragement of disease resistant varieties in field especially Red Rot
3. Disease free seed Nursery Preparation.
4. Hot water Treatment
5. Seed Treatment by fungicide
6. Treated bud sowing
7. Termite attack Management
8. Balanced Fertilizer (NPK) and Zinc application.
9. Weedicide (Mesotrione) application by Boom Sprayer.
10. Pest/disease management by Jeeto Sprayer at more than 5 feet height
11. Introduction of cane knife for Ratoon Crop Management.
12. Introduction of Solar Tube well for irrigation.

**Results**

1. Increased and uniform germination of sugarcane.
2. Good tillering in crop with increased plant Population
3. Uniform Growth
4. Best results of Ratoon
5. Achievement of disease, Pest and weed free crop
6. Minimized Lodging of crop
7. Increased Yield/acre
8. Improvement in Sugar Recovery

By

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