



## **Koneru Lakshmaiah Education Foundation**

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**Campus:** Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

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# **Report on visit to the farmer's sugarcane field**

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|----------------------|--|
| DATE                 | : 19th February 2026                                     |
| SECTION              | : II YEAR – S1, S2 (Y24 batch)                           |
| COURSE               | : 24AGRO203 Crop Production Technology – II (Rabi crops) |
| TOTAL STUDENTS       | : 68   |
| EVENTS               | : Farmer sugarcane field, Vuyyuru                        |
| Faculty Coordinators | : Dr. B. Rama Devi                                       |

### **Objectives of the Visit:**

The visit to the sugarcane field was organised with the following key objectives:

#### **To Gain Practical Knowledge of Sugarcane Cultivation**

Understand the various stages of sugarcane growth, from planting to harvesting.

Observe modern and traditional farming techniques used in sugarcane cultivation.

#### **To Learn About Sustainable Farming Practices**

Explore eco-friendly methods such as organic fertilizers, crop rotation, and water conservation. Understand the importance of integrated pest and disease management.

### **To Understand the Economic Significance of Sugarcane Farming**

Learn about the role of sugarcane in the local and national economy.

Understand the challenges faced by farmers, such as price fluctuations, climate change, and market demand.

### **To Observe Mechanisation and Technological Advancements**

Learn about modern irrigation methods like drip irrigation for efficient water use.

Understand how farm machinery aids in planting, harvesting, and processing sugarcane.

### **To Encourage Interest in Agriculture Among Students**

Provide hands-on experience to inspire students to explore careers in agriculture and agribusiness.

Foster an appreciation for the hard work and dedication of farmers.

### **To Interact with Farmers and Gain Practical Insights**

Engage in discussions with farmers about their experiences, challenges, and best practices.

Develop an understanding of the real-life applications of classroom knowledge in agriculture.

The visit aimed to bridge the gap between theoretical learning and real-world agricultural practices, enhancing students' understanding and appreciation of the farming sector.

### **Description of the visit:**

On 19-2-26, II nd year B.Sc Agriculture students from KL College of Agriculture visited a local sugarcane farm owned by Subba rao in Vuyyuru. The purpose of the visit was to gain firsthand knowledge about sugarcane cultivation, farming techniques, and the role of agriculture in the economy. The visit was part of Crop Production Technology – II (24AGRO203) organized by the Agronomy department to enhance practical learning experiences.

The students arrived at the farm at around 11:00 AM and were warmly welcomed by Subbarao garu and his team. They provided a brief overview of the farm, its history, and the significance of sugarcane farming in the region. The students were then given safety instructions and guidelines for their tour around the fields.

**Observation and Learning** During the visit, the students learned about various aspects of sugarcane farming, including:

**Planting Process** – The farmer explained the selection of sugarcane varieties (Co V 09-356), soil preparation, and planting techniques used to ensure a good yield.

Selected well-drained, fertile soil with a pH between 5.5 and 7.5. Plow the field 2–3 times to break clods and ensure fine tilth. Incorporated organic manure (FYM or compost) at 10–15 tons per hectare to improve soil fertility. Create ridges and furrows with proper spacing (90 cm). Cut setts with 3 buds and treated them with Carbendazim to prevent diseases.

**Growth and Maintenance** – The students observed different growth stages of sugarcane and learned about irrigation,

fertilization, and weed management techniques. Following balanced fertilizers: Nitrogen (N): 150–250 kg/ha Phosphorus ( $P_2O_5$ ): 60–100 kg/ha Potassium ( $K_2O$ ): 100–150 kg/ha. Split application of nitrogen for better uptake (1/3 at planting, 1/3 at tillering, 1/3 at grand growth stage). In 10 days interval irrigation was applying. Control weeds with pre-emergence herbicides Atrazine and post-emergence herbicides (2,4-D + Gramoxone).

**Pest and Disease Control** – The farmer shared insights into common pests and diseases affecting sugarcane and the sustainable methods used to protect the crops. Common Pests like Early shoot borer Sprayed Chlorantraniliprole.

**Harvesting and Processing** – The students witnessed how sugarcane is harvested and learned about the initial processing steps before it is sent to sugar mills.

**Economic Importance** – The discussion also covered the role of sugarcane in the local economy, its uses in sugar and ethanol production, and the challenges faced by farmers, such as market fluctuations and climate change.

**Interaction and Hands-On Experience** Students actively participated in the visit by asking questions and engaging in hands-on activities. Some students tried planting sugarcane cuttings, while others assisted in watering the plants. The interactive session with the farmer helped them understand the hard work and dedication required in farming.

**Outcomes of the visit:** The visit to the sugarcane field was an enriching experience for the students. It provided them with valuable insights into agricultural practices and the significance of sugarcane farming in the economy. The trip fostered a greater appreciation for farmers and their contribution to society. The students expressed their gratitude to Subbarao garu and the organizing team for the informative and enjoyable experience.

The visit was a great success and served as a memorable educational experience for all participants.

### Farmer Sugarcane field





Explaining about management practices in sugarcane