



Information Sheet

CP 77/400

Introduction

CP 77/400 is a leading sugarcane cultivar of Khyber Pakhtunkhwa, Pakistan. It is the result of a cross made at Louisiana, USA, and then brought to Canal Point. The variety was received by Pakistan Agriculture Research Council and then received at Sugar Crops Research Institute, Mardan. The variety was evaluated in various selection trials at the institute and found to show better performance among other mid maturing varieties. It performed well on farmers' fields as well and has been since appreciated for the white and crystalized gur, the attractive cane. It covers major growing area in Khyber Pakhtunkhwa among other approved varieties. The variety is tolerant to frost and mid in maturity.

Origin: Canal Point, Florida, USA

Year of Release: 1996

Parentage: CP 65/315 x CP 71/400

Quality and Yield

CP 77/400 is a mid maturing variety. It gives 85-90 tonnes per hectare cane yield. Commercial recoverable sucrose (CCS) is 12.30%.

Agronomic Characteristics

It is an attractive variety and lauded both by the researchers and farmers. Cane is medium thick, tall, semi erect with a whitish color, and medium hardness. Internodes are longer and cylindrical with no splits or ivory markings. Buds are ovate, medium with no hair. It has drooping leaves which are medium broad with smooth surface. Leaf sheath has no pubescence. At maturity, trashing is loose.

Reaction to Diseases/Pests

Tolerant to frost, insect pests and diseases.

Fertilizers/Other Requirements

CP 77/400 needs 120 and 170-200 Kg nitrogen per hectare for plant and ratoon crops respectively. Phosphorus (P_2O_5) and Potash (K_2O) are applied at the rate of 100 Kg/ha. Half of nitrogen and full doses of Potash and Phosphorus are given after first hoeing in April when the crop has almost completed germination, while the remaining half nitrogen is applied before earthing-up in May/June. Eighteen to 20 irrigations are required in the growth cycle.

Seed Rate

6-8 tons per hectare to establish a populations of 20,000 to 150,00 buds/hectare

