

Summary

The effect of different periods of defoliation on seed production of *Andropogon gayanus* CIAT 621 cv. Llanero was evaluated in an Alfisol of an experimental field of the Instituto Nacional de Investigaciones Forestales y Agropecuarias (INIFAP), Nayarit (21° 43' N, 105° 7' W), Mexico, between July and September 1989.

The experimental plots were fertilized with 80 and 22 kg/ha of N and P, respectively. Defoliation was done on the 15th and 30th of July and August, and 15 September, and the spikelets were harvested by cutting, piling up, and sweating the floral stems.

The number of floral stems/m² was, on the average, 63, and it did not vary between cutting

periods. Flowering began in early November, and maximum flowering occurred 10 days later; 35 days went by from the beginning of flowering to harvest. The highest yields of pure seed (155 kg/ha) were obtained with cutting done on 15 September; on the rest of the harvest dates, the average yield of pure seed was 59 kg/ha. Trial results make it possible to conclude that in the region of Nayarit, Mexico, cutting to induce production of floral stems of *A. gayanus* cv. Llanero should be done in September, at the end of the rainy period.