

REFERENCES

- Berding, N. 1981. Improved flowering and pollen fertility in sugarcane under increased night temperatures. *Crop Science*. 21: 863-867.
- Bernier, G., J. M. Kinet, and R. M. Sachs. 1985. *The Physiology of Flowering*. 3rd/Ed. CRC Press, Inc., The United States of America. 149 p.
- Carlucci, M. V., N. D. da Cruz, and R. Alvarez. 1990. Environmental effects on floral initiation of sugarcane during the 1984/1985 season, in the Piracicaba region, state of Sao Paulo, Brazil. *Horticultural Abstracts*. 60: 1078.
- Chanmueng, A. 1997. The relationship between environmental condition and phenological process. Master of Science, Chiang Mai University, Thailand. 79 p.
- Clements, H. F. 1967. Lengthening versus shortening dark periods and blossoming in sugar cane as affected by temperature. *Plant Physiology*. 42: 57-60.
- Clements, H. F. 1975. *Flowering of Sugarcane: Mechanics and Control* Hawaii Agricultural Experiment Station, University of Hawaii, Honolulu, Hawaii. 57 p.
- Forsythe, W. C. and others. 1995. A model comparison for daylength as a function of latitude and day of year. *Ecological Modelling*. 80: 87-95.
- Goudriaan, J., and H. H. van Laar. 1994. *Modelling potential crop growth processes* Kluwer Academic Publishers, the Netherlands. 238 p.

- Hoogenboom, G., P. W. Wilkens, and G. Y. Tsuji (eds.). 1999. DSSAT version 3
University of Hawaii, Hawaii. 286 p.
- Inman-Bamber, N. G. 1994. Temperature and seasonal effects on canopy
development and light interception of sugarcane. *Field Crop Research*.
36: 41-51.
- James, N. I. 1969a. Delayed flowering and pollen production in male-sterile
sugarcane subjected to extended daylength. *Crop Science*. 9: 279-282.
- James, N. I., and G. A. Smith. 1969b. Effect of photoperiod and light intensity on
flowering in sugarcane. *Crop Science*. 9: 794-796.
- Jinrawet, A. 1998. Modeling plant and soil system Department of Soil Science,
Chiang Mai, Thailand. 93 p.
- Jinrawet, A. and others. 1997a. Predicting the effect of planting dates on sugarcane.
p. 102-112. In A. Jinrawet, S. Laohasiriwong, and C. Lairungraung (ed.).
Final report of the Development and Testing of Sugarcane Model in Thailand
Research Project. Thailand Research Fund, Chaing Mai, Thailand.
- Jinrawet, A., S. Jongkawwatana, and N. G. Inman-Bamber. 1997b. The Sugarcane
Model ThaiCane 1.0. p. 102-112. In A. Jinrawet, S. Laohasiriwong, and C.
Lairungraung (ed.). Final report of the Development and Testing of Sugarcane
Model in Thailand Research Project. Thailand Research Fund, Chaing Mai,
Thailand.

- Jones C. A. and J. R. Kiniry. 1989. CERES-Maize: A Simulation Model of Maize Growth and Development. Texas A&M University Press. the United states of America. 194 p.
- Jongkaewwattana, S. 1995. Systems Simulation and Modeling Multiple Cropping Center, Chiang Mai, Thailand. 199 p.
- Julien, M. H. R., and G. C. Soopramanien. 1975. Effects of night breaks on floral initiation and development in *Saccharum*. *Crop Science*. 15: 625-629.
- Kaveeta, L. and others. Ontogeny study of the apical development in two Thai sugarcane varieties. . For submission to: *Cane and Sugar Journal*.
- Kropff, M. J. and others. 1994. The rice Model ORYZA1 and its testing. p. 27-50. In R. B. Matthews, M. J. Kropff, D. Bachelet, and H. H. van Laar (ed.). *Modeling the impact of climate change on rice production in Asia*. IRRI, and CAB.
- Leffelaar, P. A. and Th. J. Ferrari. 1984. Some elements of dynamic simulation Department of Theoretical Production Ecology, Agricultural University, Wageningen, the Natherlands.
- Levi, C. A. 1985. Determination of flower induction requirement of sugarcane. *Abstract of Tropical Agriculture*. 10: 127.
- Major, D. J. 1980. Photoperiod response characteristics controlling flowering of nine crop species. *Canadian Journal of Plant Science*. 60: 777 - 784.

- Moore, P. H., and R. V. Osgood. 1989. Prevention of flowering and increasing sugar yield of sugarcane by application of ethephon (2-Chloroethylphosphonic Acid). *Journal of Plant Growth Regulation*. 8: 205-210.
- Nasuriwong, P. 1997. Sugarcane response to plant density using a fan design. Master of science, Chiang Mai University, Chiang Mai. 118 p.
- O'leary, G. J. 1999. A review of three sugarcane simulation models with respect to their prediction of sucrose yield. For submission to: *Field Crops Research*: 29.
- Penning de Vries, F. W. T. and others. 1989. Simulation of ecophysiological processes of growth in several annual crops Centre of Agricultural Publishing and Documentation (Pudoc), Wageningen, the Netherlands. 271 p.
- Pereira, A. R., V. Barbieri and N. A. Villavnova. 1983. Climatic conditioning of flowering induction in sugarcane. *Agricultural Meteorology*. 29: 103-110.
- Ritchie, J. T. and others. 1998. Cereal growth, development and yield. p. 79-98. *Understanding options for agricultural production*. Kluwer Academic Publishers, Great Britain.
- Robertson, M. J. and others. 1998. Temperature and leaf area expansion of sugarcane: integration of controlled-environment, field and model studies. *Aust. J. Plant Physiol*. 25: 819-828.
- Singh, S., K. M. Naidu, and D. N. Tyagi. 1988. Effect of suppression of flowering on improvement of growth, yield and juice quality in sugarcane. *Indian Journal of Agricultural Science*. 58: 71-73.

- Siri, B. and others. 1997. Phenology of sugarcane. p. 56-65. In A. Jintrawet, S. Laohasiriwong, and C. Lairungraung (ed.). Development and validation of a sugarcane model in Thailand research project. Multiple Cropping Center, Chiang Mai, Thailand.
- Summerfield, R. J. and others. 1991. Towards the reliable prediction of time to flowering in six annual crops. I. the development of simple models for fluctuating field environments. *Expl Agric.* 27: 11-31.
- Tsuji, G. Y., G. Uehara, and S. Balas. 1994. DSSAT version 3 University of Hawaii, Hawaii. 284 p.
- Vergara, B. S. and T. T. Chang. 1985. The flowering response of the rice plant to photoperiod International Rice Research Institute, Manila, Philippines. 61 p.
- Vince-Prue, D., and A. E. Canham. 1983. Horticultural significance of photomorphogenesis. p. 518-544. In W. J. Shropshire, and H. Mohr (ed.). *Encyclopedia of Plant Physiology*. Vol. 16B, Germany.
- Whisler, F. D. and others. 1986. Crop simulation models in agronomic systems. *Advances in Agronomy*. 40: 141-208.