AnaGmaX ©: management assistance software for pineapple plantations

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Free

Using the results of research on pineapple, CIRAD (France) has developed AnaGmaX, a management tool for pineapple plantations.

AnaGmaX uses the temperature records and field characteristics (geographic position, variety, plant material, planting date, etc.) to calculate key dates in the cycle: probable date of floral induction treatment, flowering date and harvest date. It then adapts a reference crop management for the field cycle forecast, whatever the production zone and whatever the cycle length, which can vary from 11 to 18 according to the cultivation zone. The job calendar is re-specified continuously as new temperature data are entered. The grower can thus be sure that jobs are performed on the optimum dates and, finally, the traceability of all operations is conserved.

The other very important information provided by AnaGmaX is the forecasting of harvesting dates to within 1 or 2 days. This makes it possible:

- to plan harvests for both individuals and groups,
- to know at all times where the fruits to be cut are to be found and in what quantity.

AnaGmaX also makes it possible to manage production 'from downstream', that is to say a production period and a tonnage desired in a given zone are entered and the program specifies the areas to be planted and the desired planting dates.

AnaGmaX is intended for a very broad range of planters in the pineapple sector, from individual growers (from very small to very large plantations) to producers’ groups, by way of advisory companies.

AnaGmaX currently exists in a French-English bilingual version and is set up for the cultivars ‘Queen Victoria’, ‘Smooth Cayenne’, ‘MD-2’ and ‘Flhoran 41’.

Other parameters can be specified according to individual requirements: crop management sequences, types of task, sizes, defects, etc.