

## ***Surface, Production and Yield Estimation National Program (PRONESPRE)***

The Mexican Government, throughout the SAGARPA, has a satellite imagery reception station from the Spot Constellation. The availability of information allows us to put into practice the Surface, Production and Yield Estimation National Program (**PRONESPRE**), under the administration and operation of the General Direction of Information System for the Procedure of Direct Supports (ASERCA); whose objective is to estimate the agricultural production for the different cycles: spring-summer and autumn-winter; by means of three different procedures: forecasting model, field estimates and imagery satellite classification, which allow generating a yield estimate and therefore the production of several crops. Given the national dimension of the program and responding to the necessity of obtaining results in advance and with more certainty in the planted and cropped surface's estimations, as well as the yield and production, the SAGARPA shapes a coordinated participation scheme between the several organisms; ASERCA, INIFAP and SIAP, as well as estate governments, estate SAGARPA delegations, ASERCA regions and producers, throughout the creation of a collegiate group. Each of the different institutions participates by doing specific components of the program, putting special emphasis in those in which they have more technical and operative strength with the objective of obtaining more information and quality in it.

The program has four components; production forecasting based on a climatic model, harvested surface, unit yield and production and its commercial destination.

A project like the PRONESPRE one, of multi-temporal tracing and nationwide, would be hardly conceivable without an own Reception Station, given the few memory aboard of the satellites.