Gamaya Introduces CaneFit Platform for Sugarcane Cultivation
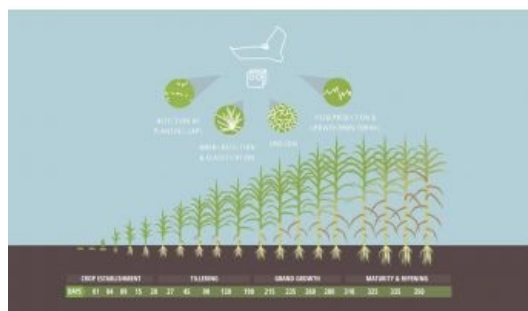

Gamaya, a global agronomy intelligence provider has announced the introduction of a unique solution for large industrial sugarcane growers called CaneFit. The platform facilitates significant improvement of efficiency and sustainability of farming businesses and includes a free trial.

The initial focus of CaneFit is on Brazil, where it provides a tailored solution for sugarcane growers and includes a suit of analytical products such as planting efficiency analysis and weeds detection. The solution is available through a web interface, as well as API that can be integrated with existing farm management software. The actionable maps are delivered throughout the different stages of cultivation and include detailed statistics designed to support optimal and timely decisions. All fields can be compared, analysed and prioritised for specific agronomical operations. Resulting maps can be exported in industry standard computer file formats compatible with CAD and most field machinery software.

The analysis of drone imagery performed by Gamaya is fully automated and delivered within 48 hours. The accuracy of detection of planting gaps is 95%. CaneFit solution helps industrial sugarcane growers to better predict and manage risks associated with planting failures, and implement a secondary replanting where it's needed to substantially increase production efficiency. An increase of up to 10% of yield can be expected for all subsequent growing seasons, assuming that 50% of the sugarcane planting failures can be addressed by a sugarcane grower through a secondary replanting.

Gamaya proposes three commercial packages: Demo, Basic and Professional. The demo package allows you to test the solution for planting gaps for free on an area of maximum 2,000 ha during 4 months, subject to a condition that drone imaging is carried out and paid by the client.

Basic and professional packages include additional products, such as detection of weeds and yield prediction, both tailored specifically for sugarcane in Brazil. Several products require a customisation to reflect the methodology, used by a particular client. A combination of space-borne and drone-based imaging is used to deliver products. Further detailed information about the CaneFit solution and commercial packages can be found in English and in Portuguese.

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