ABSTRACT

A METHOD FOR ANALYSING PLANTATION HEALTH

The present invention discloses a method (100) for analysing plantation health in a plantation field comprising the steps of acquiring a plurality of multispectral images (131), of the plantation field, each with different wavelength bands; converting the multispectral images of each wavelength band into a plurality of vegetation index images that carry a set of features (301); and computing nearby plantation health indices using the features (305) via a first processing model (500), wherein the nearby plantation health indices computation comprises the steps of selecting a targeted plantation; determining nearby plantations that are within a predetermined distance from the targeted plantation (401); and performing a correlation analysis between the targeted plantation and the nearby plantations (402) to generate the nearby plantation health indices of the nearby plantations with respect to the targeted plantation (403). The nearby plantation health indices allows the user to monitor health conditions of the nearby plantations that change based on health conditions of the targeted plantations rather than individual plant health indices that only represent their own health conditions.

(The most illustrative figure: Fig. 1)