

For this reason, it was insufficient as assistance information for cultivating plants well even by a beginner.

[0005]

The present invention was made in light of the foregoing, and it is an object of the present invention to provide a method of assisting in cultivating plant well even by a beginner.

Means for Solving the Problems

[0006]

In order to achieve the above object, an information processing device which is an embodiment of the present invention, is an information processing device that assists in cultivating a plant and includes: a cultivation information acquisition unit that acquires cultivation information indicating a status of each plant cultivated by each of a plurality of users; a growth model generation/update unit that generates or updates a growth model optimal for each environment in which the plant is placed on the basis of the cultivation information acquired by the cultivation information acquisition unit; and a cultivation assistance unit that generates cultivation assistance information used when an assistance target user cultivates the plant on the basis of the cultivation information indicating the status of the plant cultivated by the assistance target user acquired by the cultivation information acquisition unit and the growth model, wherein the cultivation information is acquired at least from a captured image obtained by periodically and

automatically imaging the plant to be cultivated.

[0007]

CLAIMS

1. An information processing device that assists in cultivating a plant, comprising:

a cultivation information acquisition unit that acquires cultivation information indicating a status of each plant cultivated by each of a plurality of users;

a growth model generation/update unit that generates or updates a growth model optimal for each environment in which the plant is placed on the basis of the cultivation information acquired by the cultivation information acquisition unit; and

a cultivation assistance unit that generates cultivation assistance information used when an assistance target user cultivates the plant on the basis of the cultivation information indicating the status of the plant cultivated by the assistance target user acquired by the cultivation information acquisition unit and the growth model,

wherein the cultivation information is acquired at least from a captured image obtained by periodically and automatically imaging the plant to be cultivated.

2. The information processing device according to claim 1, further comprising:

a growth model selection unit that selects, in a case in which each of the plurality of users is desired to cultivate one or more species of plants, the growth model of each of the

one or more species of plants serving as a target from a plurality of growth models stored in advance on the basis of at least one of a plant name, a harvest period, and a recipe of a dish; and

a cultivation schedule generation unit that generates a cultivation schedule optimal for each of the plurality of users on the basis of the growth model selected by the growth model selection unit.

3. The information processing device according to claim 1 or 2, further comprising,

a relevant information generation unit that generates plant relevant information serving as information related to the plant cultivated by each of the plurality of users for each of the plurality of users.

4. The information processing device according to any one of claims 1 to 3, further comprising:

a keyword detection unit that detects a keyword related to an abnormality of the plant cultivated by the user from content of a message transmitted by each of user terminals operated by each of the plurality of users;

an abnormality specifying unit that specifies a plant having an abnormality among the plants cultivated by the user who transmits a message including the detected keyword and specifies a type of the abnormality from the cultivation information of the plant; and

an abnormality learning unit that performs learning intended for acquiring information effective for preventing or eliminating the specified abnormality on the basis of the cultivation information.

5. An information processing method executed by an information processing device, comprising:

a cultivation information acquisition step of acquiring cultivation information indicating a status of each plant cultivated by each of a plurality of users;

a growth model generation/update step of generating or updating a growth model optimal for each environment in which the plant is placed on the basis of the cultivation information acquired in the cultivation information acquisition step; and

a cultivation assistance step of generating cultivation assistance information used when an assistance target user cultivates the plant on the basis of the cultivation information indicating the status of the plant cultivated by the assistance target user acquired in the cultivation information acquisition step and the growth model,

wherein the cultivation information is acquired at least from a captured image obtained by periodically and automatically imaging the plant to be cultivated.

6. A program causing a computer that controls an information processing device to execute a control process comprising:

a cultivation information acquisition step of acquiring cultivation information indicating a status of each plant cultivated by each of a plurality of users;

a growth model generation/update step of generating or updating a growth model optimal for each environment in which the plant is placed on the basis of the cultivation information acquired in the cultivation information acquisition step; and

a cultivation assistance step of generating cultivation assistance information used when an assistance target user cultivates the plant on the basis of the cultivation information indicating the status of the plant cultivated by the assistance target user acquired in the cultivation information acquisition step and the growth model,

wherein the cultivation information is acquired at least from a captured image obtained by periodically and automatically imaging the plant to be cultivated.