

equipment for emitting light of predetermined illuminance to the plants. According to this configuration, an advantageous effect can be obtained in that tipburn as a physiological disorder of the plants can be prevented without decreasing a growth rate of the plants. In addition, in the related art disclosed
5 in PTL 2, the following configuration is disclosed. In a plant cultivation device having a form in which a plurality of plant bodies are arranged on multi-stage cultivation shelves, the air inside an air intake region defined as a region including the plurality of plant bodies adjacent to one another is fetched by an air intake pipe and is discharged outward. According to this configuration,
10 even in a case where the plants are densely cultivated, the humidity around the plant bodies can be efficiently reduced. In this manner, it is possible to prevent a defect such as disease damage from occurring due to a high humid atmosphere.

15 Citation List

Patent Literature

[0004]

PTL 1: Japanese Patent Unexamined Publication No. 2002-142585

PTL 2: Japanese Patent Unexamined Publication No. 2013-255439

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SUMMARY

[0005]

According to an aspect of the present disclosure, a plant cultivation device comprising:

- 25 a rack that has a shelf for arranging a plurality of plants;
 a lighting unit that has a plurality of bar-shaped lighting bodies emitting artificial light to the plurality of plants from above;

a plurality of air blower pipes that are arranged above the shelf, and that have a plurality of downward ejection openings for ejecting gas to the plurality of plants arranged on the shelf; and

5 a gas supplier that ejects the gas through the plurality of ejection openings by applying static pressure into the plurality of air blower pipes so as to eject the gas to the plurality of plants.

A plant cultivation device has a rack, a lighting unit, an air blower pipe, and a gas supplier. The rack has shelves for arranging a plurality of plants. The lighting unit emits artificial light to the plurality of plants from above.
10 The air blower pipe has a plurality of ejection openings. The gas supplier