

ABSTRACT

Plant Cultivation System

5 [Problems] To provide a system for producing safe and high
nutrition vegetables at low cost.

[Means to solve the problems] A plant cultivation system for
cultivating a plant on a nonporous hydrophilic film, which
comprises a nonporous hydrophilic film and a feeding means
10 for supplying water or a nutrient fluid to the lower surface
of the film in the absence of a hydroponic tank for accommodating
water or a nutrient fluid and cultivating a plant therein.
As the feeding means, use is made of a water absorbing material
which is in contact with the film and which is disposed between
15 the film and a water impermeable material. A system for
producing safe and high nutrition vegetables at low cost can
be obtained by disposing the water impermeable material
directly on ground soil, whereupon the water absorbing
material and an irrigation tube are disposed, followed by
20 disposing the film thereon.

Fig. 3