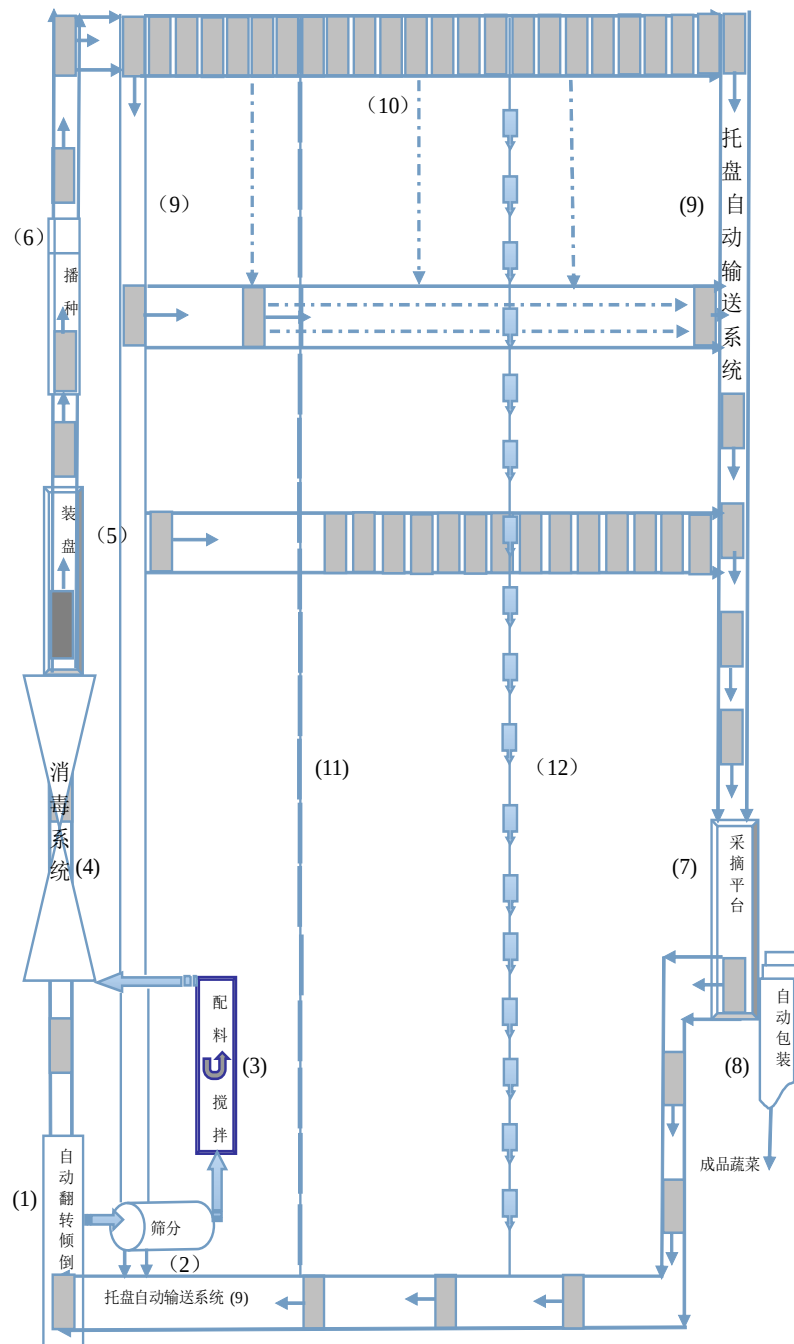


FIG.1 Union Building greenhouses

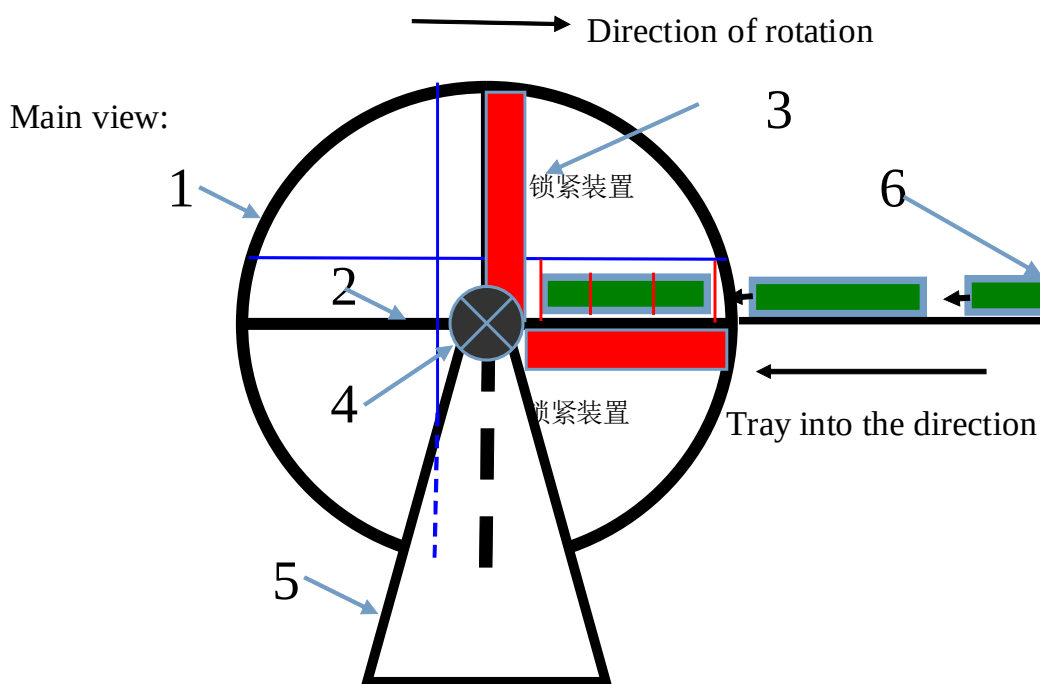


FIG.2: Full-automatic Parallel-moving Tray Type Organic plants Growing System



- | | |
|--|---|
| (1) Auto Flip dumping system | (2) Automatic Screening system |
| (3) Automatic Ingredients mixing system | (4) Automatic Disinfection System |
| (5) Automatic transfer to a plate system | (6) Automatic seeding system |
| (7) Automatic harvesting system | (8) Automatic Packaging Systems |
| (9) Automatic pallet conveyor system | (10) Tray parallel movement planting system |
| (11) Automatic watering systems by water curtain | (12) Automatic monitoring system |

FIG.3 An after-grown tray previously grown material turning and dumping system



Lateral view:

1、Circumference of the stent

2、Pallet conveying device

3、Locking device

4、Powerplant

5、Carrier

6、Tray

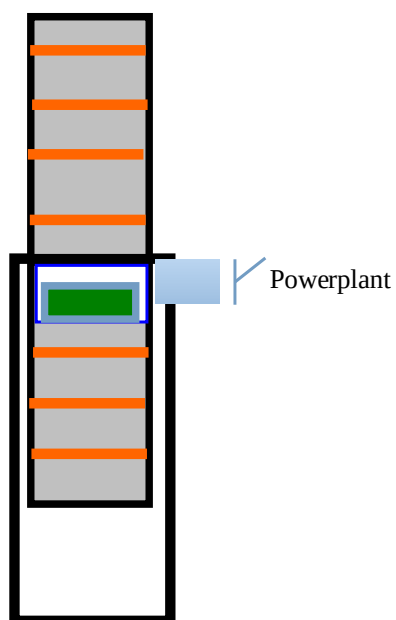
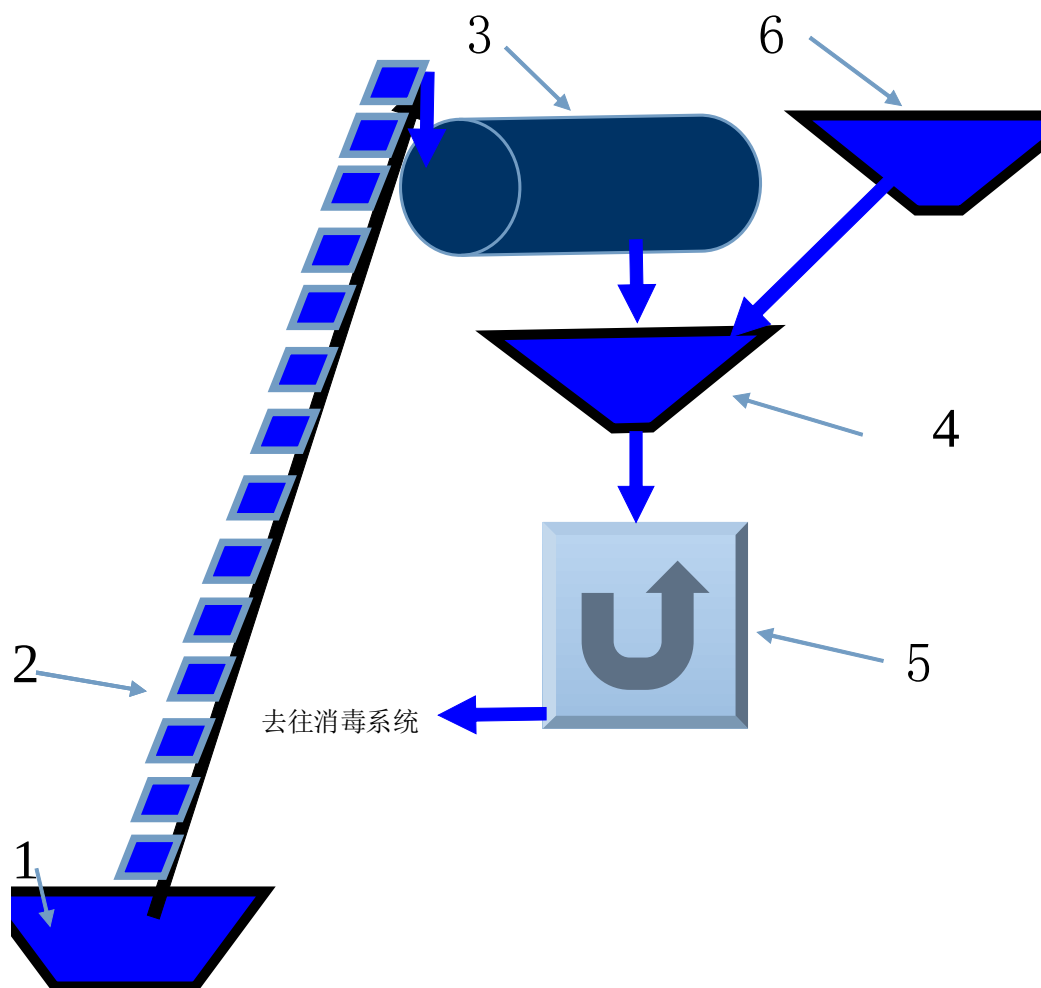


FIG.4 An automatic screening and batching system



1、 Auto Flip dumping system storage silos

2、 Bucket elevator

3、 Drum screening machine

4、 Ingredients positions

5、 Homogenizing mixer

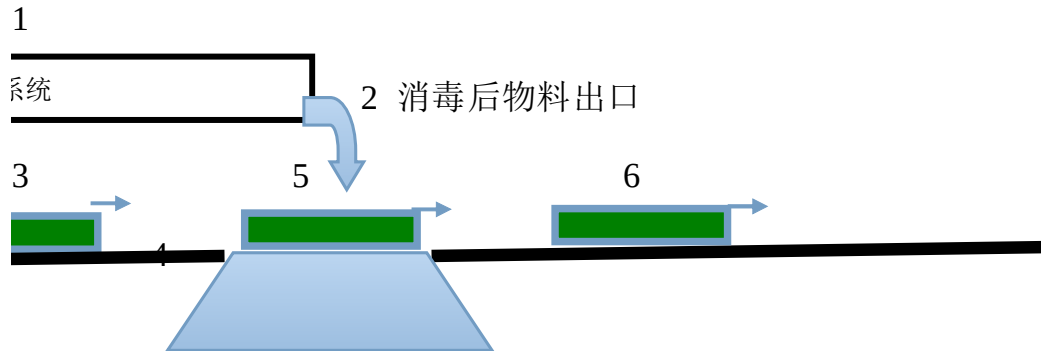
6、 Raw material storage silos

FIG.5 a grown material automatic disinfection system



FIG.6 A grown material automatic loading system

Main view



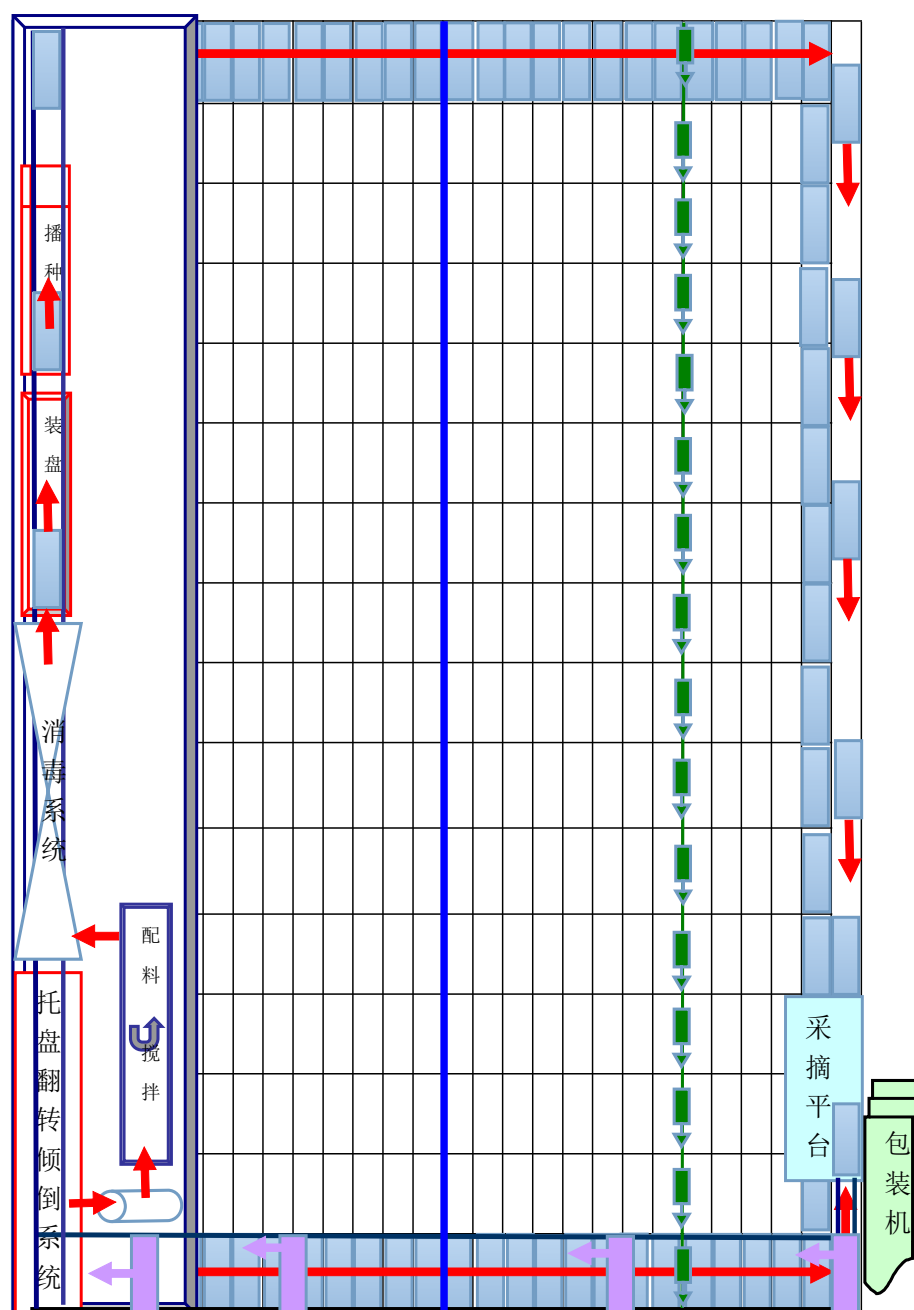
- 1、Disinfection System
- 2、After disinfection materials exports
- 3、Empty pallet
- 4、Automatic weighing control the discharge port switch devices
- 5、Retrieving Loading pallet
- 6、Material has been filled pallets

FIG. 7 An automatic sowing system

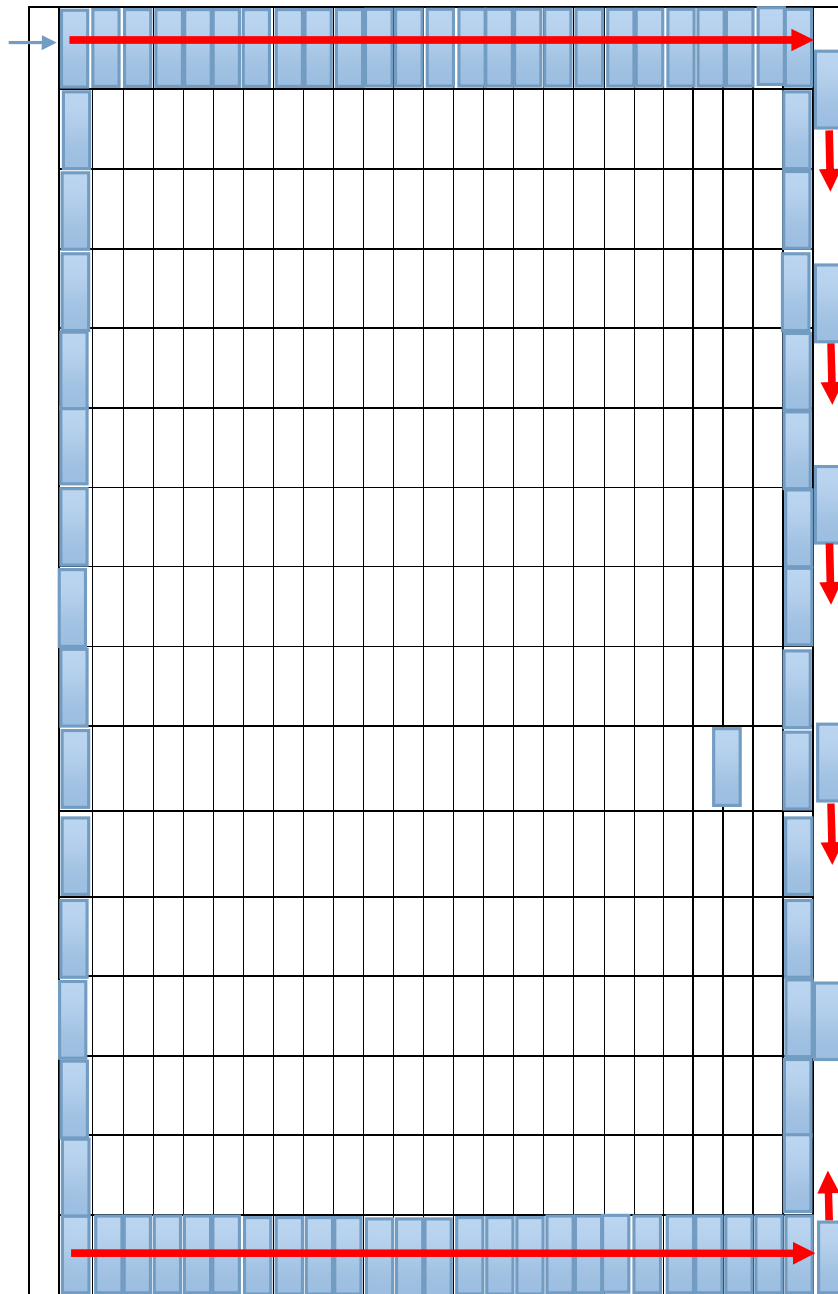


FIG.8 An automatic parallel-moving tray type organic plants growing system

Top view



A top view (plan view after removal of the second layer)



A diagram illustrating a robotic arm assembly line. The arm, represented by a blue structure, is positioned above a conveyor belt. The conveyor belt consists of a series of green rectangular blocks. The arm is shown in the process of picking up a block from the belt. A blue box with a white 'U' and an upward arrow is positioned above the arm, indicating a 'pick' or 'up' action. The arm is also shown placing a block onto the belt, indicated by a blue box with a white 'D' and a downward arrow. The arm is connected to a base with a large black wheel and a blue handle. The entire system is set against a white background.

The diagram illustrates a multi-level automated picking system. It features a vertical stack of platforms. The top level includes a '包装机' (packaging machine) and a '采摘平台' (picking platform). Arrows indicate the flow of materials between these components and a long horizontal conveyor system at the bottom.

Fig. 9 A plants automatic picking and sorting system



FIG 10 A plants automatic packaging system

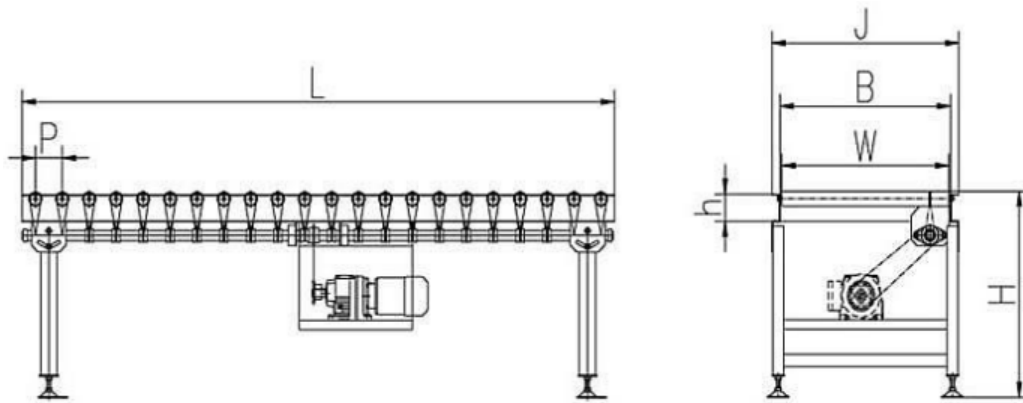
附图十

全自动气调蔬菜包装机



FIG11、 Automatic power roller chain conveyor system tray
Automatically

Schematic:



Physical map



FIG12: Water curtain automatic watering system:

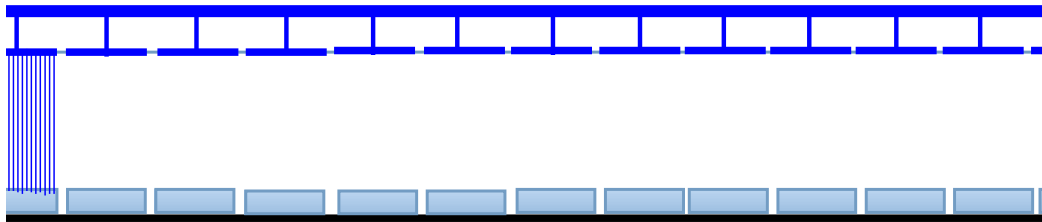
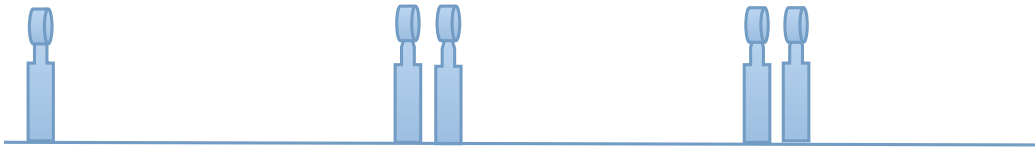


FIG13: Roller bearing slide tray conveyor system

Main view:



Left side view:

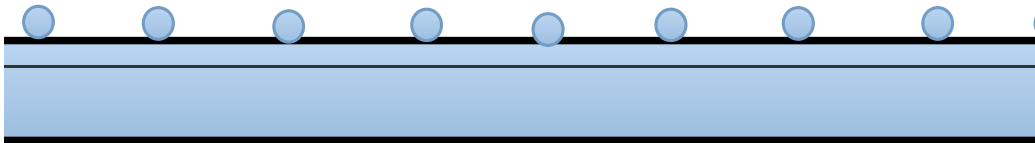
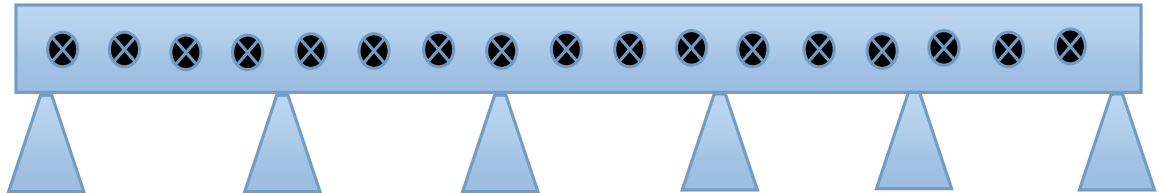


FIG14:Automatic Of the screw push system tray

Main view:



Top view:

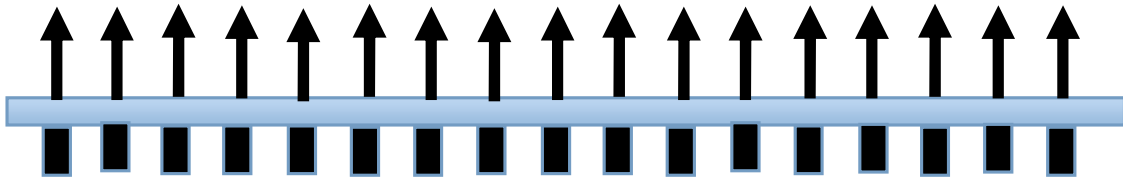


FIG15: Stainless steel trays for use planting

Main view:



Lateral view:



Top view:

