

# MINI AQUAPONICS INDOOR SYSTEM

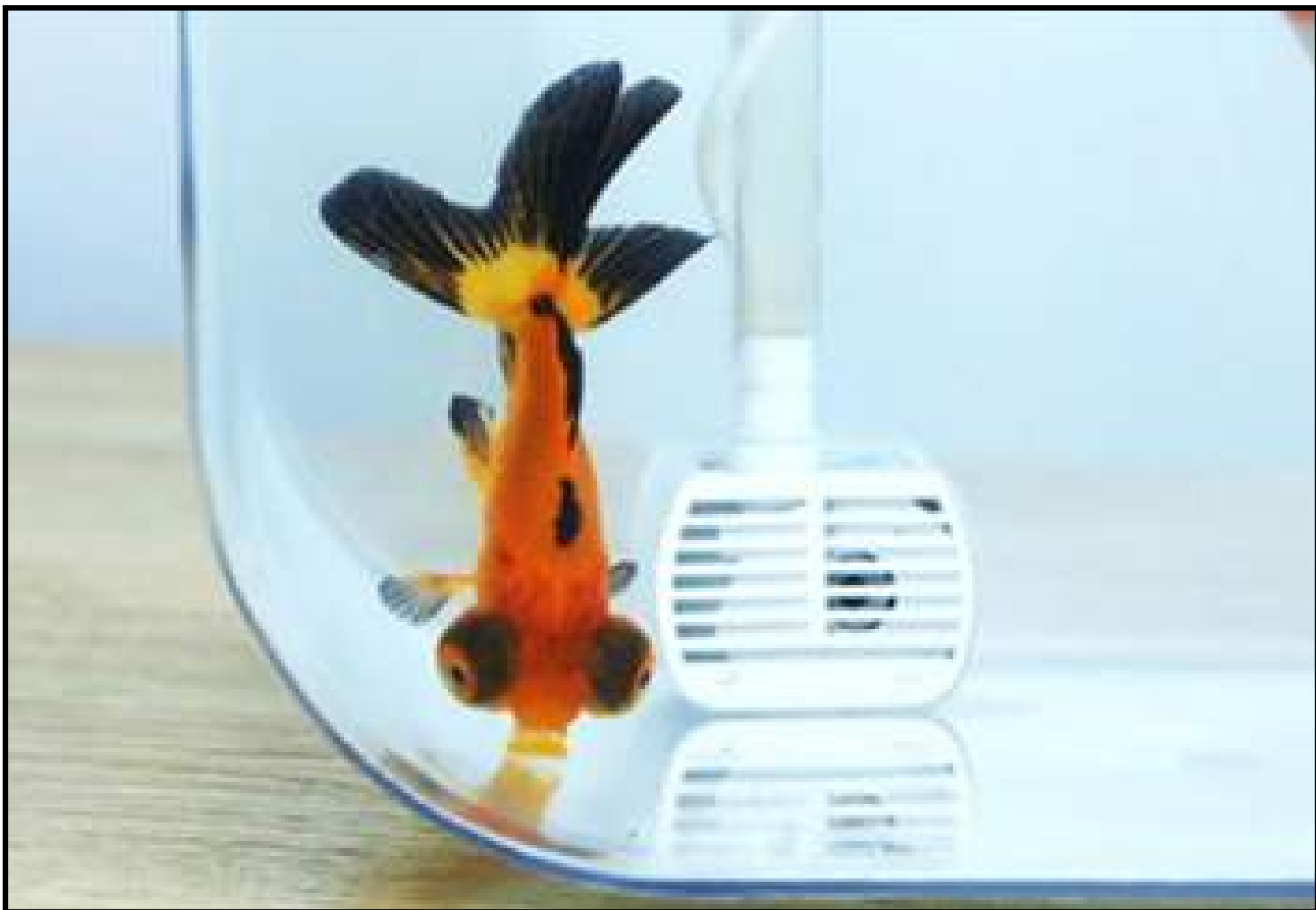


Product size:	28 X 31 X 19.5 cm
Product function:	Grow flowers, vegetables, and fish
Product material:	ABS/PC/PP
Output voltage:	5V/1000mA
Water tank capacity:	8L
Product color:	White/transparent
Individual gross weight:	2.8kg



## HIGH-QUALITY MATERIALS AND QUIET OPERATION

- **High-clarity polycarbonate (PC)** – durable, high-strength material with light transmittance up to 92% (compared to approximately 85% for standard glass).
- **Silent water pump** – brushless motor with water–electricity separation for safer and quieter operation.
- **Noise-reducing siphon column** – special siphon design lowers water flow noise to just 10 dB.







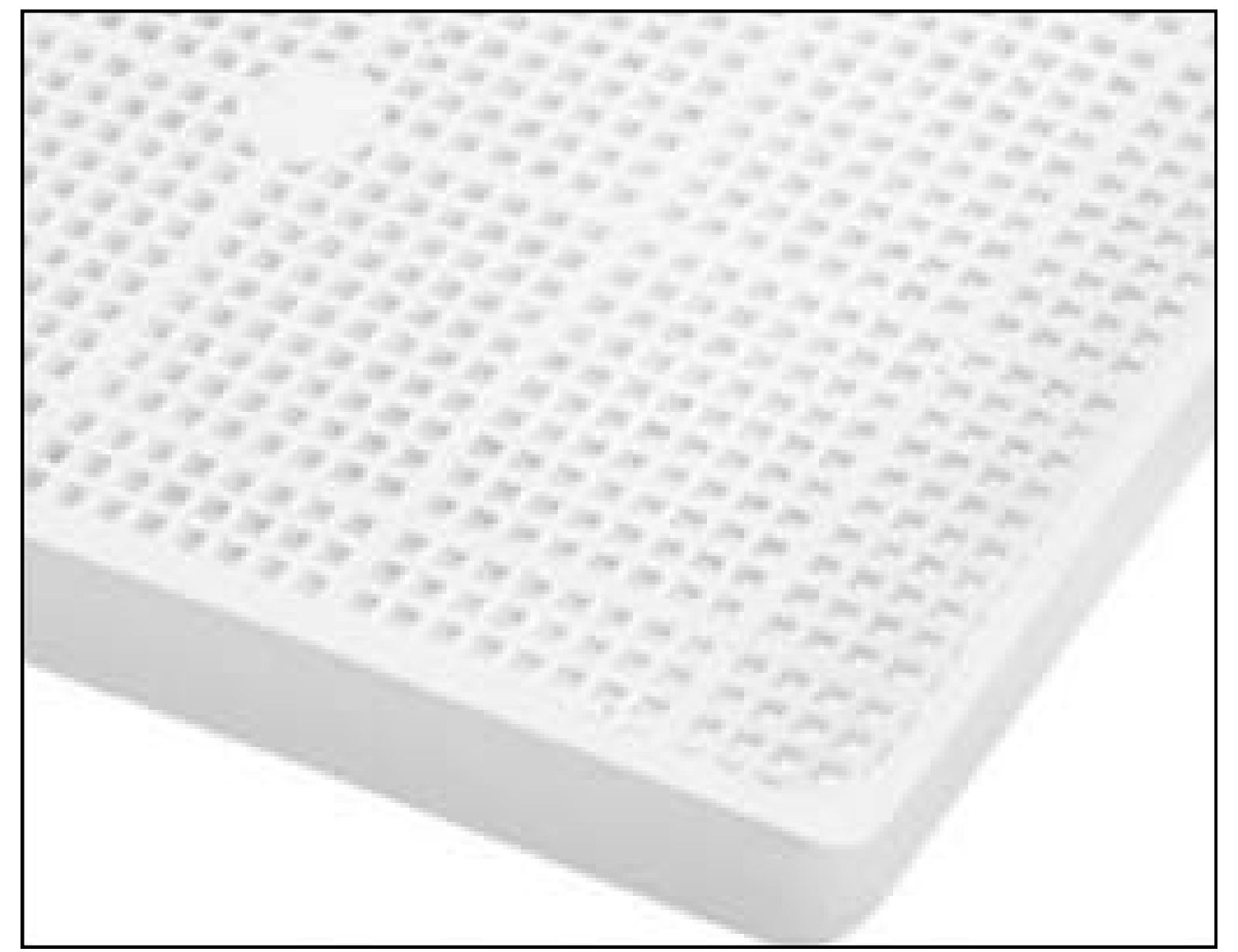
### **Brushless motor**

10-year maintenance-free,  
water-electricity separation



### **Functional compartments**

storage, filtration, siphoning,  
feeding



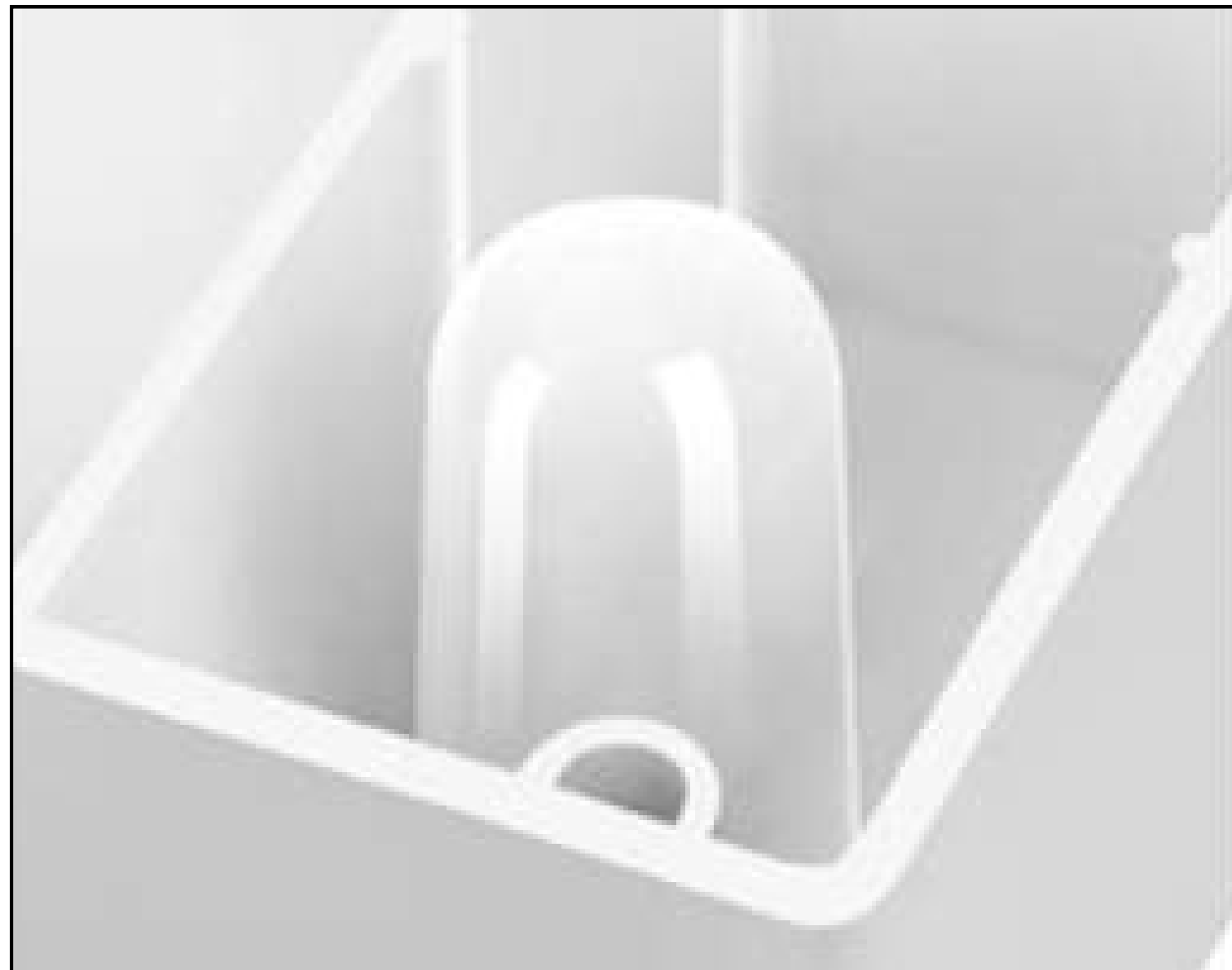
### **Hydroponic tray**

dense grid for fast rooting



### **U-shaped base**

easy to clean



### **Siphon principle**

tidal water level fluctuation



### **Filter sponge & bio-fiber**

continuous water filtration

## **WORKING PRINCIPLE**

The “**fish and vegetable symbiosis**” tank combines fish, plants, and microorganisms in a single ecosystem. **Fish waste** is broken down by nitrifying bacteria into nutrients for plants.

In return, **plants naturally filter and purify the water**, creating a self-sustaining cycle that supports both healthy fish and vibrant plant growth.

## **SIPHON SELF-CIRCULATION**

**2–3 min cycles, 500+** times/day; oxygenates fish and delivers nutrients to plant roots.

# DOUBLE FILTRATION

**Plant roots** actively absorb and decompose sediment, while filter cotton re-filters the water, ensuring it remains **crystal clear**. This dual filtration system maximizes nutrient utilization, providing plants with all the essential nourishment they need for **optimal growth**.



## PLANTING EFFECT

This system is suitable for growing **over 40 types of sprouts** and other small plants. Its flexible design allows for arbitrary planting arrangements, giving you the freedom to customize your indoor garden **according to your preferences**.



Bean Sprout



Pea seedling



Okra seedling



Water spinach



# PRODUCT LIST



planting basket



water storage tray



water tank



siphon cover



power adapter



water pump kit



ceramic bio ball



ceramsite



nitrifying bacteria



activated carbon



yulebao



nursery gauze



universal fish food



sprout seeds



filter sponge

# ASSEMBLY GUIDE



**Fill the tank with water**



**Put 1–3 fish into the tank.**



**Install the water pump at the bottom of the water storage tray.**



**Place the water storage tray into the tank body.**



**Install the inlet elbow fitting.**



**Rinse the bamboo charcoal bag thoroughly.**



**Place the activated charcoal into the water storage tray.**



**Put the fish additive into the water storage tray.**



**Add half a tablet of nitrifying bacteria into the water tray**  
*(open and use only the powder).*

# PLANTING GUIDE



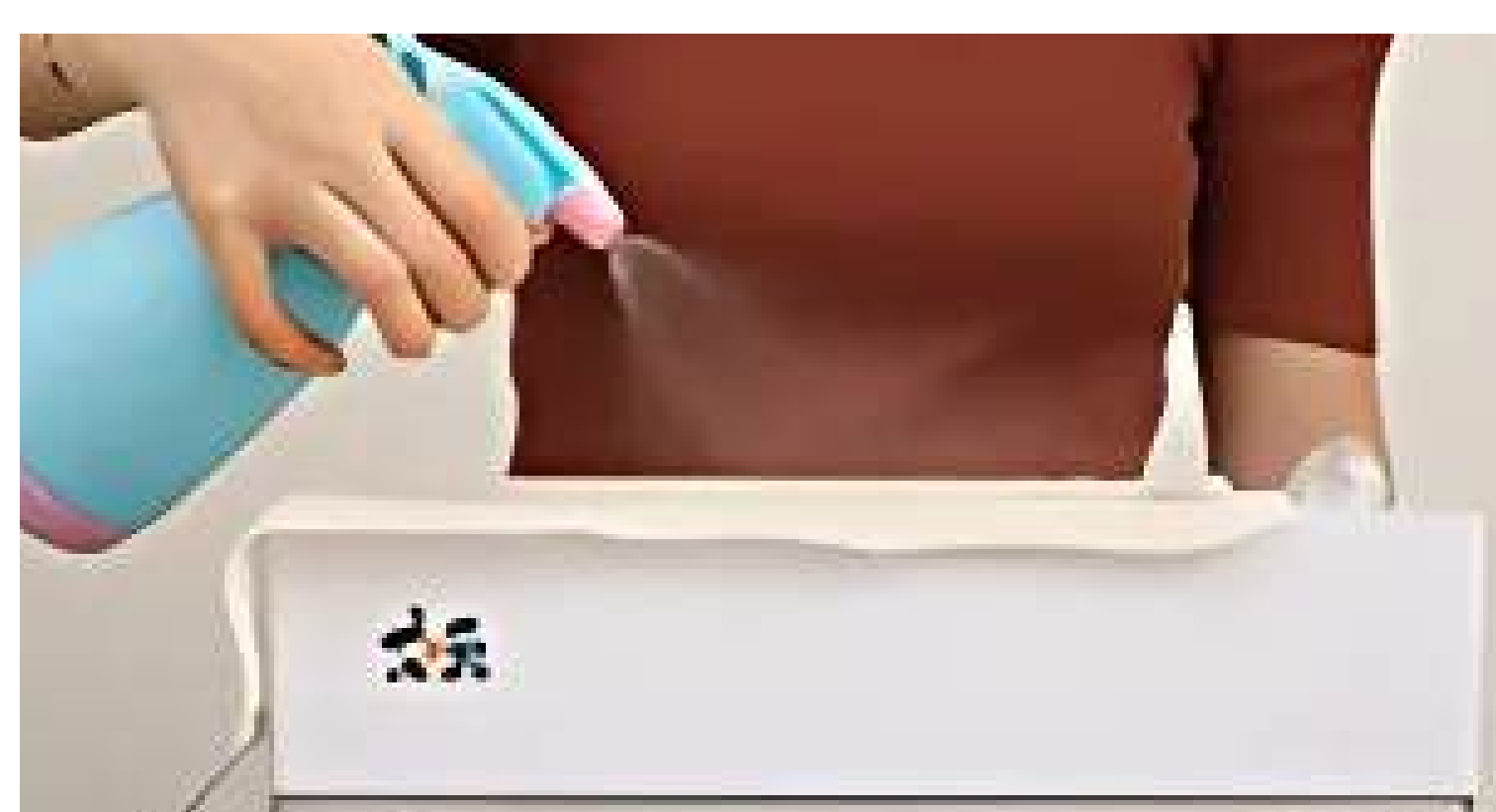
**Soak seeds – soaking time varies depending on the seed type.**



**Spread seeds evenly on the grid tray.**



**Cover seeds with the seedling gauze.**



**Mist seeds 3–5 times a day, avoiding direct sunlight.**



**Seeds will start sprouting in 2–4 days; lift the gauze about 2cm after sprouting.**



**Harvest in 7–10 days; some seeds may produce a second crop.**