



Wrapped in gel  
to improve seed function!

# Tanemaru

Introduction of gel-coated seeds

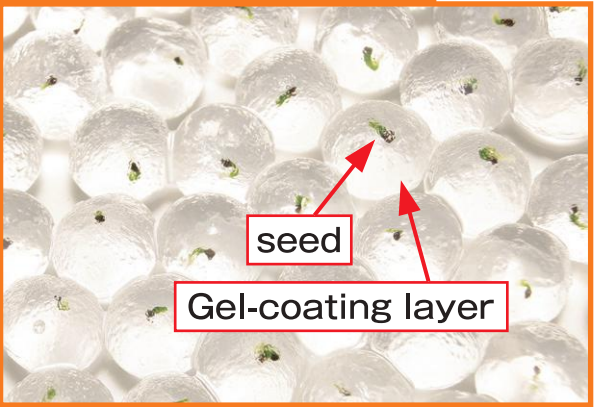


# “Tanemaru” is...

An entirely new seed form in which a small seed is wrapped in natural polymer gel full of water so that it can be handled more easily and it can exert the utmost potential.



## Structure of “Tanemaru”



## Size of “Tanemaru”

Tanemaru is available in three sizes are available according to the size of the seed.

S SIZE		6mm in diameter
M SIZE		8mm in diameter
L SIZE		10mm in diameter
(Full scale)		

## Examples of seeds for which “Tanemaru” is applicable



Seed Name  
**Delphinium**  
The seeds can be encapsulated seed by seed without being wasted.



Seed Name  
**Eustoma russellianum**  
The seed can be encapsulated in gel no matter how small it is.



Seed Name  
**Celery**  
Several seeds can be encapsulated collectively in gel.

\*Tanemaru processing is applicable even to pellet (coating) processed seeds as they are.

# Three expected merits of “Tanemaru”.

All environmental concerns in the present agricultural field of world are taken into consideration.

1

## Marvelous germinability



- With a water content of 98%, the seed will bud easily.
- Growth promotion enabled by encapsulating fertilizer in gel
- The transparent gel allows selective seeding that will result in germination promotion and uniformity effects

2

## Labor saving



- Even small seeds in uneven shapes can be easily distributed
- Several seeds can be encapsulated collectively for collective cultivation
- Working hours can be shortened through the use of a seed planter or seed board.

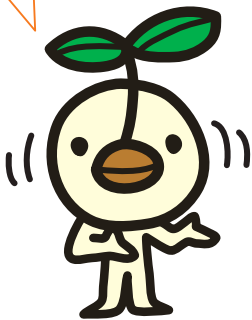
3

## Cost efficiency



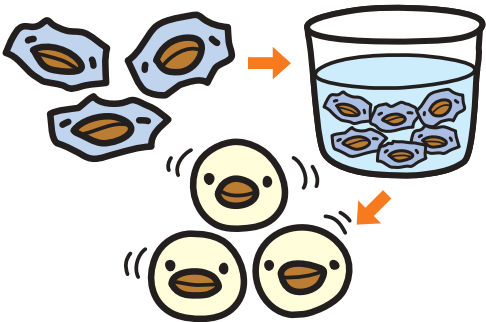
- Expensive seeds will bud without being lost
- Allows thermal treatment in saved space
- Dry-storable

## Extremely easy to use



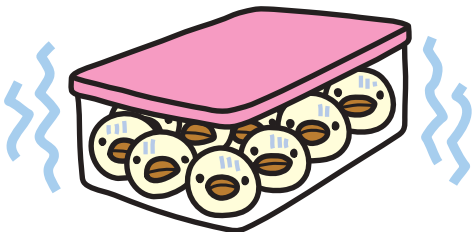
### ① Recovery (reconstitution)

Soak the dry-stored “Tanemaru” in tap water to recover it to the original globular shape. The water needs to be replaced with fresh water several times.



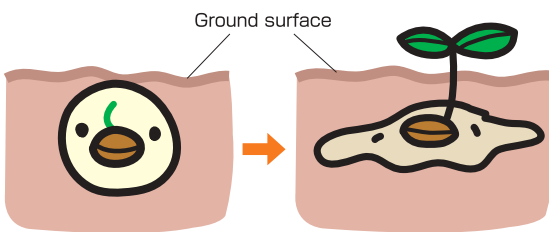
### ② Budding/low-temperature treatment

Put the “Tanemaru” into a tightly sealed container for budding or low-temperature treatment. Sow the “Tanemaru” before it buds or takes root. The temperature, period, and so on of treatment vary among species.



### ③ Sowing of seeds and watering before seedlings establish

Cover the “Tanemaru” with soil at slightly below the ground surface. Some species may not need soil coverage. Add a rather large quantity of water to the soil so that the soil may always keep moist. The gel will be easily decomposed without damaging the soil.



## Specification of “Tanemaru”

Item	Specification		
	S (6mm in diameter)	M (8mm in diameter)	L (10mm in diameter)
Diameter of “Tanemaru”			
Diameter of applicable seed	Less than 3.8mm in diameter	Less than 6mm in diameter	Less than 8mm in diameter
Number of seeds encapsulated	1 seed (encapsulating of several seeds is negotiable )		
Weight of a single grain	160mg	420mg	670mg
Main ingredient	Natural polymer (extracted from kelp)		
Moisture content	98%		

Examples of applicable seeds  
Vegetables: Tomato, green onion, cabbage, Brassica rapa var. peruviridis, celery, carrot, beet, burdock, etc.  
Flowers : Lilium x formolongi, Eustoma russellianum, primrose, Delphinium, ranunculaceae, etc.

