



물탱크
하우스내 팬
(800 평)



- Cultivated crops : pepper
- Equipment installation : July 2019
- Applicable object : water tank, low temperature warehouse
- Compared to other farms, the yield per unit area is 1.8 to 2.2 times higher
- Pepper has a glossy and smooth skin, and grows straight without warping
- Extend the harvest period
- It is installed in a low-temp. warehouse to extend the storage period and adjust the shipping time easily.
- When judging the grade of the trial hall, it is judged as a special grade (Approximately 80% special grade judgment)

- 6 months sales comparison with other farms
 Naju Farm : 9,400 \$ per 660 m²
 Other farms : 5,290 \$ per 660 m²

- More than 80% of special products
- Yield 1.6 to 2 times increase



Water tank



fan in the house
(3,300 m²)

Water tank



housefan
(3,970 m²)



Cherrytomato
(Naju, Cheongyang)



Shiitake mushrooms
- water tank
- greenhouse
- low temp. warehouse



Shine Muscat



Comparative test of Shine Muscat cultivation for agricultural Hi Fresh application



treated



untreated

Jul. 2021



Nov. 2021



Although it is biennial off-year, it opens more than usual



Feb. 2021



Oct. 2021



Watertank



Fan in the house (3,700 m²)



Sesame Leaf Farm in Geumsan, Chungnam



Shiitake Mushroom



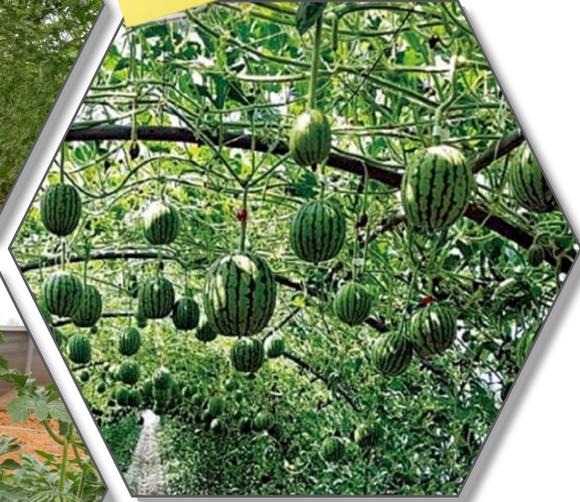
Harvest
630g → 960g
per medium

Cucumber
(Cheonan,
Uiseong)





Apple watermelon



Musk melon





orchid



Kiwi 2 year old seedlings

Trifoliate orange
1 year old seedlings



Hi Fresh
Untreat.



Hi Fresh
Treat.



Strawberry Demonstration Farm : Palchung-ro, Hongsan-myeon, Buyeo-gun, Chungnam
 (Dongbin's Strawberry Farm) Lim OO 010-6430-0000

- Strawberries open as a large fruit (large fruit ratio is more than 70%)
 - 2, 3, 4, 5 batch of flowers are harvested continuously, and the yield is more than 1.5 to 2 times
 - Observing the harvest from June to July
 - Berries like strawberries and fruits can be opened well when the leaves are thinned (Leaf thinning, nitrogen control)
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Cucumber Demonstration Farm : Hwadeok-ri, Dong-myeon, Cheonan-si, Chungnam
 Park OO 010-9181-0000

- Cucumber seedlings are strong, flowers are thick, and cucumbers generally grow straight
 - The product is produced evenly, and the yield is increased due to fruiting in each flower shop
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Melon Demonstration Farm : Donggok-ri, Seji-myeon, Naju-si, Jeonnam
 Kook OO 010-7252-0000

- The early seedlings are strong and the flower buds are thick, so they grow into more than standard melon
 - At the time of shipment, income increases due to improvement in grade
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Cherry tomato Demonstration Farm : Donggok-ri, Seji-myeon, Naju-si, Jeonnam
 Kook OO 010-7252-0000

- The growth of the seedlings is strong, and the cherry tomatoes grow large and do not fade
 - It becomes the unique taste of tomato and the sugar content is increased
 - Each flower bud is fruited and the yield increases
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Pepper Demonstration Farm : Pyeongsan-ri, Nampyeong-eup, Naju-si, Jeonam
 Park OO 010-4662-0000

- The growth of seedlings is good, and the yield is increased due to the high fruiting rate of flower buds
 - It grows straight without bending, but the grade of the product is improved
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Eggplant Demonstration Farm : Jungdong Danmil-ro, Ganmil-myeon, Uiseong-gun,
 Gyeongbuk, Lee 010-3547-0000

- Branches grow straight, yields increase, and sales grades increase
 - The unique taste of eggplant is excellent, the scent is excellent, and the flesh is soft
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Grape Demonstration Farm : Bokpyeong-ri, Bogae-myeon, Anseong-si, Gyeonggi
 Kwon OO 010-4741-0000

- Large grape clusters, thicker grains, and higher sugar content
- Increased storability

Blueberries Demonstration Farm : Donggok-ri, Seji-myeon, Naju-si, Jeonnam
 Baek OO 010-6237-0000

- The clusters of blueberries are large, the grains are thicker, and the sugar content increases.
- Early seedlings become strong, flowers bloom a lot, and the color of blueberries darkens.

Hallabong Demonstration Farm : Poonglim-ri, Nampyeong-myeon, Naju-si, Jeonnam
 Kim OO 010-5069-0000

- Higher ratio of special products (7-8 pieces) (50-70%)
- Increased sugar content and fragrance

Apple watermelon Demonstration Farm : Haeuri, Hyeongyeong-myeon, Muan-gun, Jeonnam

- Increased production rate of standard apple watermelon(1.2kg or more)
- The sugar content is improved

Lettuce Demonstration Farm : Yangsan-ri, Wanggok-myeon, Naju-si, Jeonnam (Essel Farm)
 Lee OO 010-4069-0000

- Harvest is harvested twice a week, increasing the yield (2-4 times)
- The harvesting period is about 5 to 8 months, and the shipping grade is remarkably increased
- In particular, it is easy to cultivate summer lettuce because it withstands high temperatures, which leads directly to high income

Sesame Demonstration Farm : Eumdae-ri, Namil-myeon, Geumsan-gun, Chungnam
 Ha OO 010-2410-0000

- Water mold disease, which is common in early seedlings, is remarkably eliminated, and the survival rate is increased to 99%
- The leaves become thicker and the unique scent of sesame leaves is outstanding
- As the harvesting period is prolonged, the yield is increased and the grade of the product is improved

Bok choy Demonstration Farm : Pyeongchon-an-gil, Iljuk-myeon, Anseong-si, Gyeonggi
 Seo OO 010-4089-0000

- Abandonment becomes full, increasing weight and increasing the shipping grade.
- Freshness is improved and texture is good.

Mushroom Demonstration Farm : Goejeong-gil, Baeksan-myeon, Buan-gun, Jeonbuk Yeo OO 010-2352-0000

- The unique aroma of mushrooms is improved and the taste and texture are excellent
- In the case of medium cultivation, it is produced steadily until the end

Bionursey Demonstration Farm : Jinan-dong, Hwaseong-si, Gyeonggi Kim OO 010-5201-0000

- The germination rate of seeds is increased
- The seedling grows sturdily and has more fine roots, so after planting, the survival rate increases

Piggery Demonstration Farm : Hakdong-ri, Sinbuk-myeon, Yeongam-gun, Jeonnam Kang OO 010-3601-0000

- Reduces the odor of piggery
- Increased feed absorption rate to promote growth and reduce feed
- The environment is improved by reducing the access of raw animals around the piggery
- Improved meat quality

- 2 water tanks 10 tons / 2 silos 3 tons, 1 silo 5 tons, 2 silos 7 tons (connected in a row) / steel plate connection
- Pig house 1322m² (steel sandwich panel)
- 400 tons of liquid manure storage (2ea) / 600 tons (1ea) (steel plate material)

- 10 days after installation
 - : Significantly reduce the number of rats in the pig farm, such as around the feed warehouse

- After 60 days of installation
 - : About 80% of rats inhabited are reduced
 - Pig's hair is shiny
 - The whole pig in the pig farm is lively

Location (Address)		Farm name	Phone number
		Farmer	
Cultivated crops			Area : m ²
Greenhouse state	House number : EA (single / connected)	Area per house : m ² (width: height: length:)	
Water tank	material :	Quantity : 3ton () 5ton () 10ton ()	
Water supply form			
Fan	with / without	Per house :	EA
Installation request	Greenhouse () EA / water tank () EA / Low temperature warehouse () EA		
Remarks			
Schematic diagram of the site			