

Transforming Agriculture with Innovative Mineral Solutions Sustainable Growth and Ecological Balance



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What does "LONTRA" mean?

LONTRA is the Italian name for otters, animals that thrive only in pristine waters.

Our mission is to create an environment where otters and other wildlife can thrive, reflecting the purity and safety of our products.

EXCLUSIVE TECHNOLOGY

- We possess the world's leading mineral extraction and synthesis technology.
- Our proprietary method ensures that our products cannot be replicated, maintaining their exclusivity and effectiveness.
- Our natural mineral products enhance plant and animal growth and immunity without side effects, outperforming traditional fertilizers and pesticides.

Problem in Agriculture

Land Degradation

Reduced soil resilience, nutrient deficiency, loss of beneficial microorganisms, and decreased mineral content.

Environmental Destruction

Overuse of chemical fertilizers leading to river pollution, ecosystem damage, and increased diseases.

Quality and Safety

Declining flavor and sweetness in crops, higher pesticide dependency, and potential health risks.

Our Solution

Enhancing Sustainability

Banning chemical fertilizers and pesticides, providing natural nutrient supplies, and optimizing beneficial microorganism environments

Environmental Protection

Implementing chemical-free pest management and reducing livestock waste, thus minimizing ecological damage.



How We Solve Agricultural Problems:

- Utilizing LONTRA's innovative mineral synthesis technology, we offer natural fertilizers, pesticides, and growth promoters that are safe for human consumption and provide powerful effects, stronger growth, and increased pest resistance.
- Our products are competitively priced but deliver superior crop quality and yield, significantly boosting farmer income.



Vitalizer spray

- An eco-friendly product made from three minerals and ionized water, extracted using patented food additive methods.
- Free from microorganisms and chemicals, ensuring safe application on crops and livestock.

Benefits:

Enhances crop sweetness, promotes firm tissue for long-term storage, protects against diseases and pests, and extends the harvest period

Volume:

1 Gallon, 2.5 Gallon, 1.25ton (IBC bulk type) It is in a concentrated from and needs to be diluted before use

Usage Instructions:

Dilute 1,000 to 2,000 times for soil injection and 3,000 times for direct crop application. Apply five times periodically for optimal results.



Additional Benefits

Even with the most powerful herbicides, weeds often persist and regrow. When used with LONTRA Vitalizer, weeds are completely eradicated down to their roots, preventing regrowth and maximizing the herbicide's effectiveness.

Benefits:

- Effective with Any Herbicide: Maximizes herbicide efficacy when mixed with LONTRA Vitalizer.
- **Deep Absorption:** Ensures deep root absorption for strong weed eradication.
- Reduced Application Frequency: Prevents weed regrowth, significantly reducing herbicide application frequency.
- Safe and Natural: Made with only natural minerals, safe for humans.
- Nutrient Supply for Grass: Provides essential nutrients for a healthy lawn.
- **Cost-Effective:** Much more affordable compared to standard herbicides.

Usage Instructions:

LONTRA

- Mix 1:1 with Herbicide: Apply a 1:1 mixture of LONTRA Vitalizer and any herbicide.
- Compatible with All Brands: Effective regardless of the herbicide brand used

The perfect green lawn requires LONTRA Vitalizer"

Certification & Test Results

The LONTRA brand is composed solely of natural minerals, providing essential nutrients to crops, increasing yield, and preventing pests and diseases. These results are derived from precise tests conducted by accredited institutions.



Test results of Agriculture

Experimental field	Chili pepper farming			ple farming			
Company name	Self-testing cultivation	Bonghwa	Bonghwa farm Inc (KOREA)				
Crop name	Chili pepper		Apple				
Application frequency	T times / periodically	5 times / periodically					
Application method	Direct spraying on soil and crops	Direct spray	Direct spraying on soil and crops				
Result	 Twice the harvest yield with LONTRA products No pests and diseases 	• The tissue becomes period becomes long	 Enhances the sour and sweet taste of fruit The tissue becomes stronger and the storage period becomes longer Flower buds grow thicker and faster 		ge		
Conventional cultivation m		Division	Division Sweetness				
(735g)	method (1,455g) () () () () () () () () () (ntrol group (not applied)	group (not applied) 11.7 12.3 12.2		12.06		
12 2 10		VS	14.3	14.5	14.2	14.33	
	3Spr		13.5	13.0	13.8	13.43	
and alle for	(Aspr	ay 2.5 times once just before picking	13.6	13.2	12.9	13.23	

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Applying the LONTRA AgriVet Vitalizer to pepper farming resulted in significantly innovative and improved outcomes compared to traditional farming methods. Notably, the best results were achieved by tailoring the application method to each growth stage of the peppers

Preparation Phase

Date	Application Method	LONTA Vitalizer	Water	Remarks	Watered Ridge —
April.22	 Compost Application Ridge Formation Seeding Watering & Irrigation Mulching 	pH11.5	pH8.7	Testing Conducted Separately for Each Ridge	
May.07	Chili peppers and standard peppers are sown separately.	pH10.9	pH8.7		
May.16	Water Spraying Included	pH10.0			Stanker"
May.31	Water Spraying Included	pH10.5			11 Car
June.28	Water Spraying Included	pH9.9			
August.08	Size and texture were compared after harvest.				

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Ridges Treated with LONTRA Vitalizer -







Final Evaluation: Yield from Three Pepper Plants

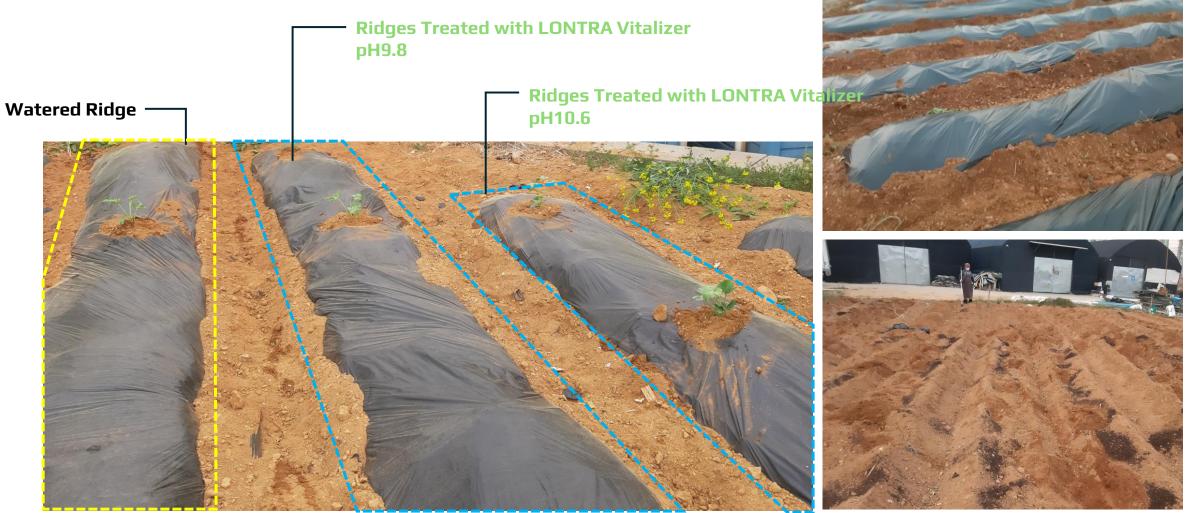


Watermelons grown with LONTRA Vitalizer exhibit high sweetness, pronounced natural aroma, and firm texture. Additionally, the size of the watermelons increased by more than 1.5 times.

Preparation Phase

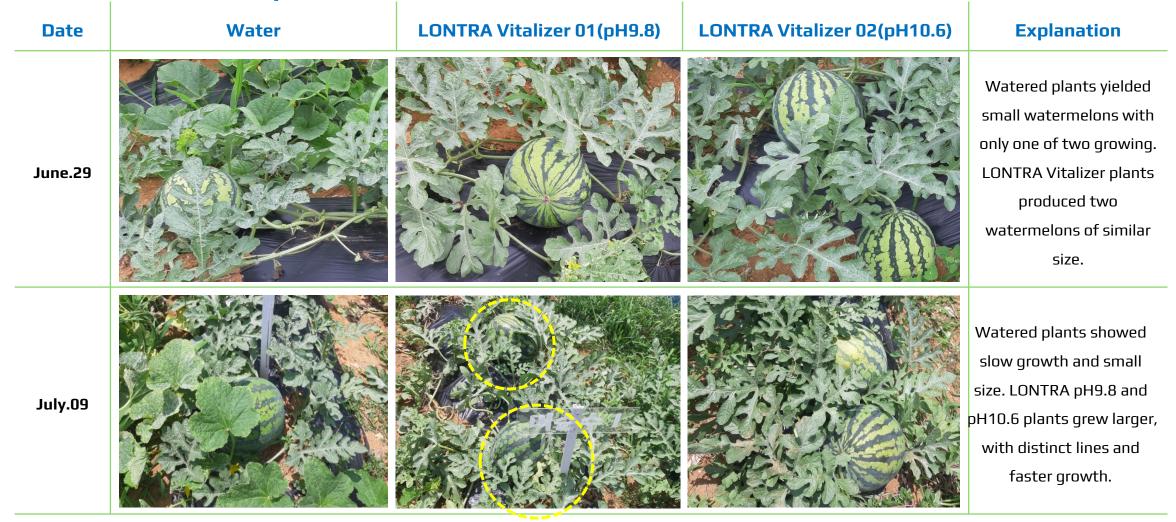
Date	Application Method	LONTA Vitalizer 01	LONTA Vitalizer 02	Water
April.16	 Incorporating compost applying LONTRA Vitalizer, and irrigating 	pH9.8	pH10.6	рН8.7
May.04	Six watermelon plants were divided into groups of two and sown in three separate rows.	рН9.8	pH10.6	pH8.7
May.13	Water Spraying Included	pH9.8	pH10.6	pH8.7
May.24	Water Spraying Included	pH9.8	pH10.6	pH8.7
June.01	Water Spraying Included	pH9.8	pH10.6	pH8.7
June.19	Water Spraying Included	pH9.8	pH10.6	pH8.7
July.09	Water Spraying Included	pH9.8	pH10.6	pH8.7
July.24	Check the yield, size, sweetness, and quality.			

Preparation Phase

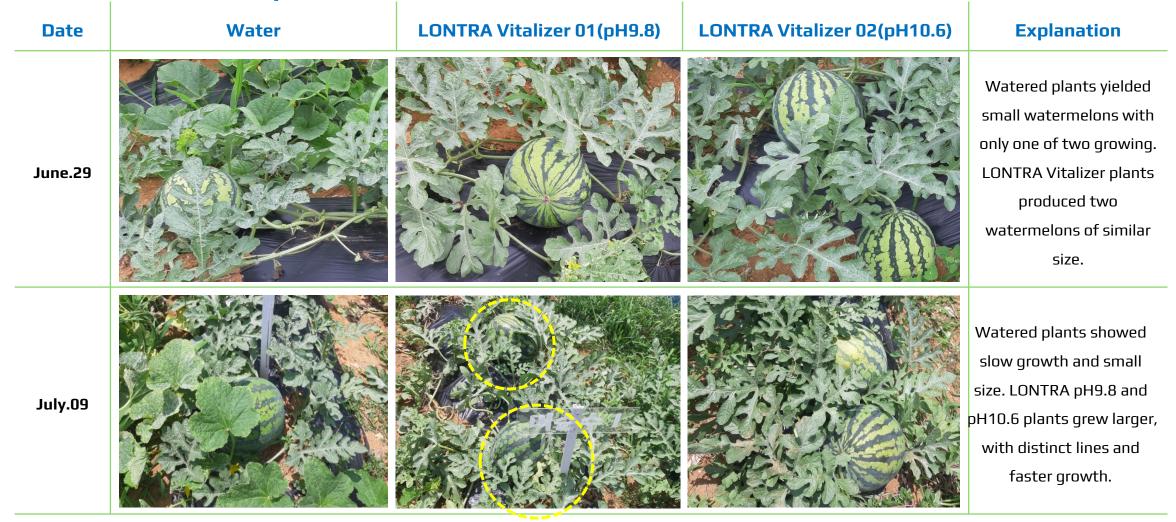




Growth Process Comparison



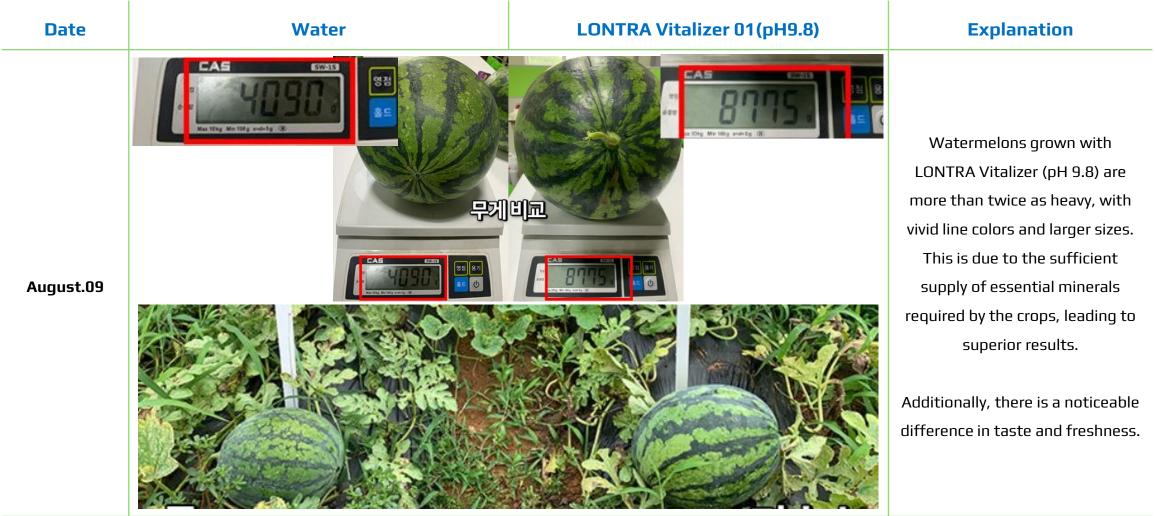
Growth Process Comparison



Final Evaluation: Sugar content measurement results



Final Evaluation: Size



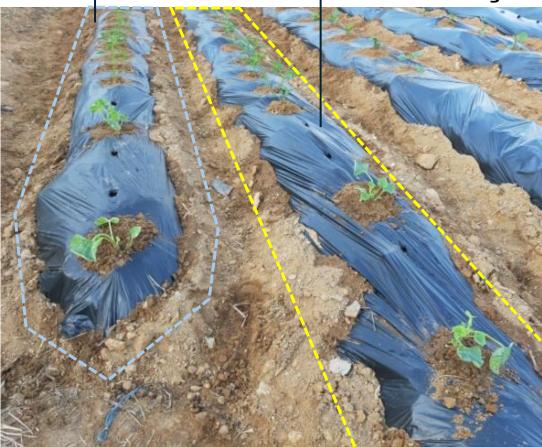
Korean Melons grown with LONTRA Vitalizer showed a 22.4% increase in sugar content and approximately 48% increase in weight and size. Additionally, the texture became firmer, and the fragrance intensified, significantly enhancing marketability.

Preparation Phase

LONTA Date Water **Application Method** Vitalizer Compost Application • Ridge Formation April.22 pH11.5 pH8.7 Seeding Watering & Irrigation Mulching Planted four Korean melon seedlings, April.29 pH10.9 pH8.7 two in each group. May.07 Water Spraying Included pH10.0 May.16 pH10.0 Water Spraying Included May.31 Water Spraying Included pH10.5 June.28 Water Spraying Included pH9.9 Check the yield, size, sweetness, and July.10 quality.

Ridges Treated with LONTRA Vitalizer

Watered Ridge

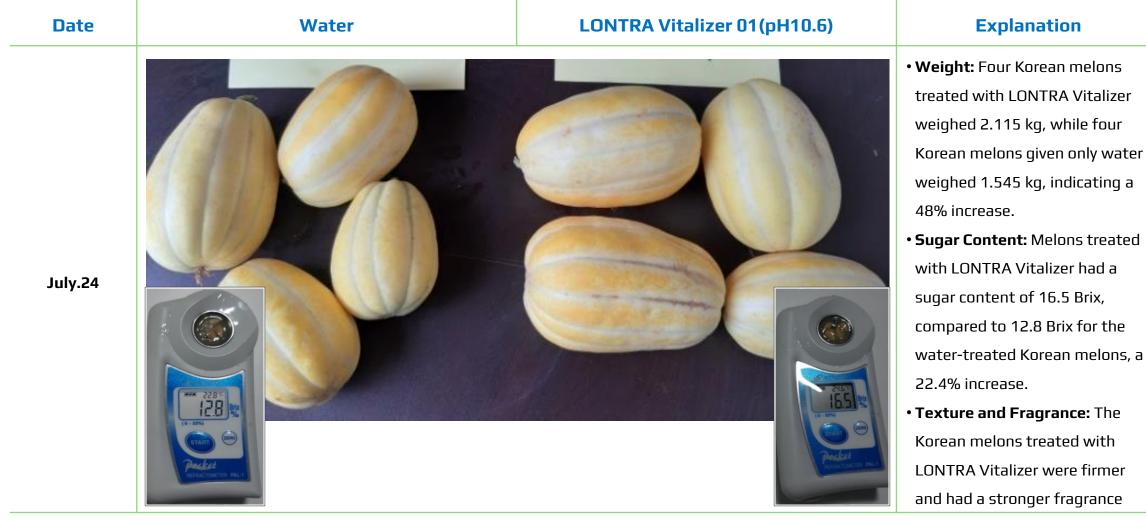


Growth Process Comparison





Final Evaluation:



Potatoes treated with LONTRA Vitalizer have exhibited a 62.5% increase in growth compared to standard potatoes. They also retain their distinct potato aroma and superior quality when boiled, without any bitter taste.

Preparation Phase

Date	Application Method	LONTA Vitalizer	Water
April.22	 Compost Application Ridge Formation Seeding Watering & Irrigation Mulching 	pH11.5	pH8.7
April.29	Planted 22 potato pieces, divided into two groups of 11 each.	pH10.9	pH8.7
May.07	Water Spraying Included	pH10.0	
May.16	Water Spraying Included	pH10.0	
May.31	Water Spraying Included	pH10.5	
June.28	Water Spraying Included	pH9.9	
July.19	Quality, and weight have been verified and compared		



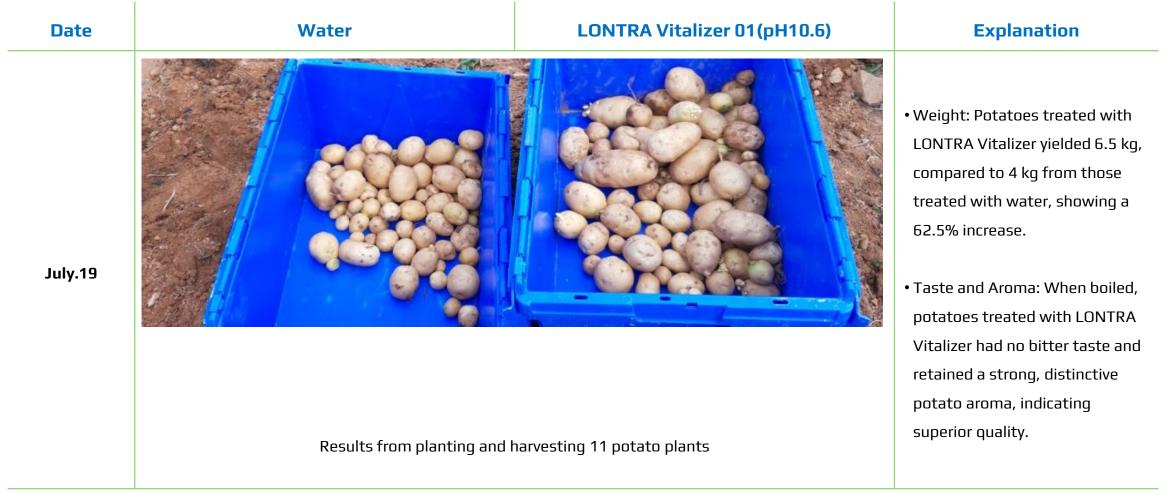
Growth Process Comparison



Growth Process Comparison



Final Evaluation:



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Preparation Phase

Date	Application Method	LONTA Vitalizer	Water	Watered Ridge —	 Ridges Treated with LONTRA Vitalizer
April.22	 Compost Application Ridge Formation Seeding Watering & Irrigation Mulching 	pH11.5	pH8.7		
May.07	Planted 40 corn seeds, divided into two groups of 20 each	pH10.9	pH8.7		
May.16	Water Spraying Included	pH10.0			
May.31	Water Spraying Included	pH10.5			
June.28	Water Spraying Included	pH9.9			
August.08	Quality, and weight have been verified and compared				

Growth Process Comparison



Growth Process Comparison



Final Evaluation:



LONTRA

Vitalizer Spray

black with

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