www.aminofarm.com



Plant Supplements

S

Sedeung Seafood Co., Ltd.

Company Introduction

Company Name	Sedeung Seafood Co., Ltd.				
CEO	Uhm Se-yong	Date of Establishment	2006.01.01		
Major business	Organic fertilizer, materials for organic farming				
Address	23-48, Powolsaemal-gil, Yangyang-eup, Yangyang-gun, Gangwon-do, 25013, Republic of Korea				
Tel	+82-33-673-8988				
Email	seyong8988@naver.com	Homepage	www.aminofarm.com		

Company History

2006.01 Establishment of the company

2010.10 Development of fermented amino acids using fish protein

2011.03 Crop cultivation test for checking fermentation amino acids : Pantoria Agricultural Environment Research Center

04 Registered as a fertilizer production and sales business with Yangyang-gun Tax Office (No.Gangwon-do 03-gi-1804)

07 Selected as a regional leader in a special business field

2012.08 Trademark registration: Amino farm

(Registration No. 40-0932483, Korean Intellectual Property Office)

2013.07 Approval of business conversion plan: Production and sales of fertilizer

2014.02 Acquired certificate of list posting of organic farming material: Posting No. 2-2-121

2015.03 Made supply contract with Korea Organic Farming Association: Amino farm K (Organic farming material)

2017.01 Made supply contract with Nonghyup Economic Holdings









Main customers

- Agricultural Technology Center and Companies
 - · Yangyang-gun Agricultural Technology Center
 - Inje-gun Agricultural Technology Center
 - Pyeongchang-gun Agricultural Technology Center
- Cooperative units for agricultural products
 - Korea Organic Farmers Association
 - Inje Omija Agricultural Corporation (Inje-gun, Gangwon-do)
 - Watermelon Cultivation Cooperative Unit (Baekam-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do)
 - PEPPER Cultivation Cooperative Unit (Pyeongchang-gun)

Regional Agricultural Cooperatives

- · Yangyang-gun: all Agricultural Cooperatives in all areas
- Goseong-gun: Geumgang Agricultural Cooperative, Geojin Agricultural Cooperative, Tosung Agricultural Cooperative
- Sokcho-si: Sokcho Agricultural Cooperative
- Inje-gun: Inje Agricultural Cooperative
- Hongcheon-gun: Naemyeon Agricultural Cooperative, Seoseok Agricultural Cooperative
- Cheorwon-gun: Dongcheolwon Agricultural Cooperative, Kimhwa Agricultural Cooperative
- Jeongseon-gun: Imgye Agricultural Cooperative, Daegwallyeong Agricultural Cooperative, etc.

Exhibition









China Amino Farm Pilot Farm



China Amino Farm Pilot FarmFactory Tour and Amino Farm Pilot Farm (Omija, Paprika, Cucumber, etc.)















Main Products

Complex Micronutrient Fertilizer

Material for Organic Farming

Plant Nutrient Amino Flower







Amino Farm K: 1L, 10L



Amino Flower 300ml

What is AMINOFARM?



Amino Farm (Natural Amino Acids), Used as Plant Supplements

Amino Farm is a nutritional plant supplement product that is made from extracting high-quality, high-concentration natural amino acids from protein (which is obtained through the fermentation of fish and brown sugar).

The product was launched by Uhm Se-yong, the CEO of the company, after three years of research. The fact that natural amino acid plant supplements could be mass-produced, rather than conventional small-scale production for self-consumption was spotlighted.

In particular, as a result of an evaluation by Gangwon-do Agricultural Research & Extensions Services, the product has 18 kinds of amino acids, including glycolic acid, which enhances disease resistance. The product is found to have an efficacy of crop growth and the weight increase and sugar content increase of fruit.

Yangyang-gun Agricultural Technology Center, operating a demonstration field for rice (10ha), fruits and vegetables (0.5ha), fruit (4ha), and soybean (5ha), announced that the harvested amount of rice had been increased by 30 kg per 10a (300 *pyeong*). In addition, according to the center, the harvested amount of red pepper and cucumbers was increased by up to 60%, and the commercialization rate of harvested vegetables was improved significantly. The quantity of harvested fruit also was increased and the sugar content was increased by up to 2.2 Brix. As such, the product can realize an improved product value.

AMINOFARM's Ingredients

Amino Acid	Content (mg/L)	Amino Acid	Content (mg/L)	
Asp	5.42±0.30	Met	67.62±2.29	
Thr	31.34±0.93	Isol	10.67±0.32	
Ser	15.96±0.54	Leu	20.04±0.64	
Glu	24.27±1.34	Tyr	110.73±0.3	
Pro	209.29±12.3	Phe	8.16±0.09	
Gly	57.88±2.40 Lys		10.28±0.88	
Ala	128.95±5.89	28.95±5.89 His		
Cys	-	Arg	132.15±2.8	
Val	14.25±0.37 Try		-	

^{*}Analytical Institution: Gangwon Agricultural Technology Institute

Effect of Amino Acids in AMINOFARM

Agriculture production is a very intensive business and is related to better quality and better yield leading to better profitability.

Plants synthesize Amino Acids from the Primary elements, the Carbon and Oxygen obtained from air, Hydrogen from water in the soil, forming Carbon Hydrate by means of photosynthesis and combining it with the Nitrogen which the plants obtain from the soil, leading to synthesis of amino acids, by collateral metabolic pathways. By the way, when the plants make amino acids in their system, they need energy. So when amino acids in the Aminofarm are applied to plant or crop directly, they save the energy. And saved energy is used to fast growth or product.

The amino acids exist in natural protein. Only L-Amino Acids are part of these Proteins and have metabolic activity. The amino acids in Aminofarm are L-amino acids.

About 20 important Amino Acids are involved in the process of each function.

Amino Acids are also supplied to plant by incorporating them into the soil. It helps in improving the microflora of the soil thereby facilitating the assimilation of nutrients.

Product – Amino Farm · Amino Farm K

For crop growth Amino Farm - Amino FarmK

Natural Amino Acids

Organic nutrition supplement for agricultural products, made through the fermentation of fish flesh only



It contains 18 kinds of natural amino acids, and when you perform foliar feeding and soil application, the color of the leaf of the crop will become vivid and shiny. This product promotes growth, increases sugar content, and increases fruit weight. In case of insufficient sunshine, it induces balanced growth of crops.

Application Time and Effects on Crops

Agricultural Products	Times of Application	Time of Application	Effect		
	1st application	Before blooming	Increased flowers		
Fruit Tree (Omija, blueberry, grape, apple, peach)	2 nd application	Initial fruit formation	Prevention of fruit fallImproved fruit qualityImproved flavor and taste of juice		
	3 rd application	30 days before harvest			
Cream Variation	1st application	10 days after sowing	Increased leaf size		
Green Vegetables	2 nd application	15-20 days before harvest	Increased harvest and chlorophyllEnhancement of leaf color		
Fruits and vegetables	1 st application	When blooming	Increased chlorophyll content Increased flowers		
(Tomato, Strawberry, Watermelon, Melon, Pumpkin)	2 nd application	At Fruit formation	Prevention of fruit fall Increased yield		
	1st application	15-20 days after planting			
Rice	2 nd application	10 days after division	Increased yield Increased grain weight		
	3 rd application	Just before blooming			
	1st application	30 - 35 days after transplanting	F-1 0		
Plant Roots (Potato, Radish, Garlic, Onion, Carrot)	2 nd application	When blooming	Early flowering Prevention of fruit fall		
,	3 rd application	After fruit falling (flower cutting)	Increased yield and size		
	1st application	After transplanting	Increased flowers		
Red Pepper, Bell Pepper, Paprika	2 nd application	Before blooming	Prevention of fruit fall Increased yield		
	3 rd application	At fruit formation	Strengthened fragrance		

X Adjust the number of applications according to the growth conditions.

Product – Amino Farm · Amino Farm K

For crop growth Amino Farm - Amino FarmK

Natural Amino Acids

Organic nutrition supplement for agricultural products, made through the fermentation of fish flesh only



Fish-fermented Amino Acids

For this product, a high concentration of amino acids are extracted from fish protein using fermented organic acid. It is a fermented product that is completely different from products made by decomposing existing animal wastes (duck feather, pig hair, chicken feather, blood powder, cattle skin) and contains a large amount of natural amino acids (18 kinds).

It is a product made by fermenting fish flesh only, not a by-product of fish.

Agricultural features of Amino Farm

Amino Acid	Function	Amino Acid	Function
Alanine	Promotion of nitrogen metabolism	Serine	Root strengthening, absorption power strengthening
Cystine	Prevention of cold damage	Threonine	Balanced Growth Inducer
Glycine	Enhanced disease resistance, increased sugar content	Tyrosine	Promotion of growth with nutrition
Isoleucine	Promotion of growth	Valine	Factor essential for orchids
Leucine	Increased sweetness and good fruit color	Arginine	Pathogenic bacteria suppression
Lysine	Enhanced disease resistance	Tryptophan	Plant hormone metabolism
Methionine	Overcoming lack of sunshine	Phenylalanine	Promotion of growth and maturity
Proline	Contribution to reproduction and growth		

 $[\]ensuremath{\mathbb{X}}$ This product consists of a combination of essential and non-essential amino acids

Product – Amino Farm·Amino FarmK

Amino Farmv K, Amino Farm Dilution Multiple Calculation Table(ml = g = cc)

Multiples Quantity	50 times	100 times	200 times	300 times	500 times	1000 times	1500 times	2000 times
1 L	20ml	10ml	5ml	3.3ml	2ml	1ml	0.67ml	0.5ml
5 L	100ml	50ml	25ml	16.5ml	10ml	5ml	3.33ml	2.5ml
10 L	200ml	100ml	50ml	33.3ml	20ml	10ml	6.7ml	5ml
20 L (1 <i>mal</i>)	400ml	200ml	100ml	66.6ml	40ml	20ml	13.3ml	10ml
50 L	1 L	500ml	250ml	165ml	100ml	50ml	33.3ml	25ml
100 L	2 L	1 L	500ml	333ml	200ml	100ml	66.5ml	50ml
150 L	3 L	1.5 L	750ml	495ml	300ml	150ml	100ml	75ml
200 L	4 L	2 L	1 L	666ml	400ml	200ml	133ml	100ml
250 L	5 L	2.5 L	1.25 L	825ml	500ml	250ml	166ml	125ml
300 L	6 L	3 L	1.5 L	1 L	600ml	300ml	200ml	150ml
350 L	7 L	3.5 L	1.75 L	1.16 L	700ml	350ml	233ml	175ml
400 L	8 L	4 L	2 L	1.32 L	800ml	400ml	266ml	200ml
500 L (25 <i>mal</i>)	10 L	5 L	2.5 L	1.66 L	1 L	500ml	333ml	250ml
600 L	12 L	6 L	3 L	2 L	1.2 L	600ml	400ml	300ml
1000 L (50 <i>mal</i>)	20 L	10 L	5 L	3.33 L	2 L	1 L	665ml	500ml

X Applicable dilution ratio: 500 times in irrigation and 1,000 times in foliar fertilization

Precautions for use

- When diluting, observe the dilution multiples.
- When this product is mixed with pesticides, dilute this product with water first and mix with pesticides.
- Once it is mixed, use immediately.
- Do not mix with alkaline preparations.
- Since these products contain high concentrations of amino acids, shake them before use.
- Store in a cool place.
- The lid of this container has a capacity of 50 ml.

[💥] Example: When using 500 times diluted Amino FarmK or Amino Farm . Add 1L of Amino FarmK or Amino Farm to 500L of water



Sedeung Seafood Co., Ltd.

23-48, Powolsaemal-gil, Yangyang-eup, Yangyang-gun, Gangwon-do, 25013, Republic of Korea

T. +82-33-673-8988

E. seyong8988@naver.com

W. www.aminofarm.com