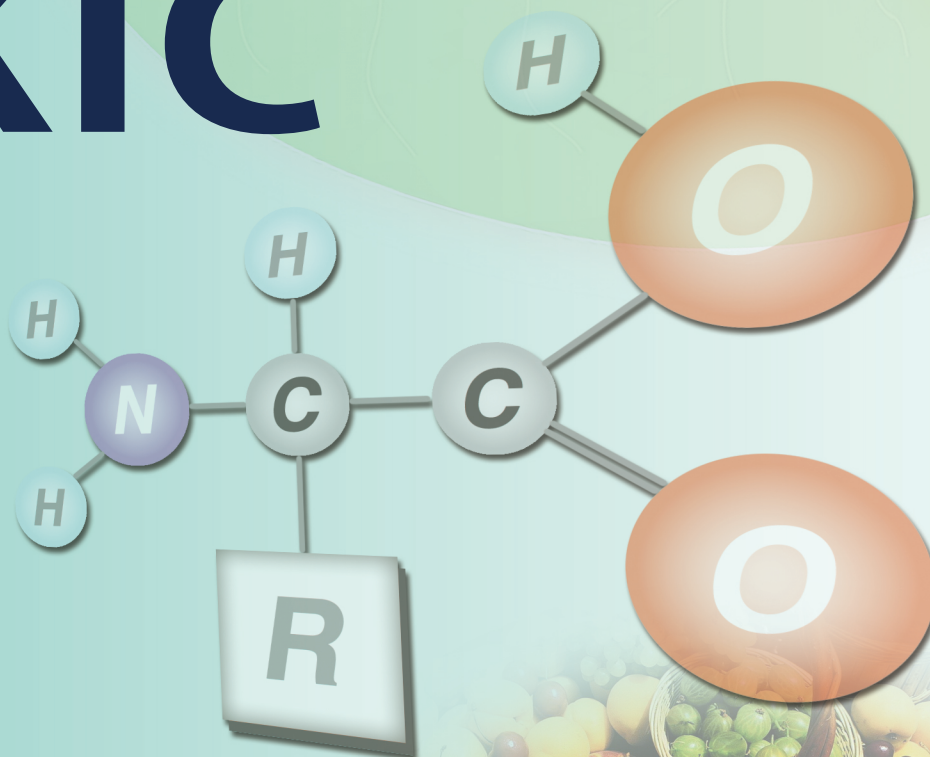


Gelmino

Amino Acid Fertilizer

SAFE AND ENVIRONMENT FEINDLY

KIC



Kooyong Industrial Corp.

www.kooyong.co.kr

젤미노는 효소 분해를 이용한 동물성 아미노산 비료입니다.

효소분해를 이용 18% 이상의 고농도 아미노산 함량을 가지며 작물의 성장 및 토양개선에 효과가 있습니다. 특히, 작물의 색상과 과실의 당도개선에 도움을 주는 비료입니다.

대부분 L-아미노산으로 구성된 젤미노는 작물에 쉽게 흡수되며, 생리학적으로 다양한 작물에 적용 가능한 제품입니다.

*젤미노의 특징 및 효과

- 고농도의 L-아미노산 (18%이상)
- 식물 생육에 도움이 되는 다양한 미량원소
- 토양의 미생물 증가로 토질 개선
- 발육 및 생산성 향상
- 작물의 면역력 강화
- 18종의 아미노산 함유로 과일의 맛과 풍미 개선효과
- 과일로의 당(sugar) 이동 촉진 효과로 당도개선
- 작물의 스트레스(염분, 온도, 수분 등) 극복에 도움



젤미노 아미노산의 종류 및 역할

알라닌	염분스트레스 뿌리발육	아이소루신	염분스트레스 화분발아
아르기닌	색도개선	루신	화분발아
아스파르트산	발아촉진	라이신	맛의향상 화분발아
글루탐산	엽록소생산 발아촉진	메티오닌	숙성 당도
글리신	수분작용	페닐알라닌	숙성 수분작용
히스티딘	영양소흡수	세린	맛의향상
프롤린	가뭄스트레스	트레오닌	가뭄스트레스
발린	가뭄스트레스	티로신	염분스트레스

사용방법

과수류

	사용비율 / 3,300 m ²	시비방법(전생육기)
사과	700g~1,000g	8~10일 간격으로 엽면시비
배	700g~1,000g	8~10일 간격으로 엽면시비
복숭아	700g~1,000g	8~10일 간격으로 엽면시비
포도	500g~800g	8~10일 간격으로 엽면시비
기타	700g~1,000g	8~10일 간격으로 엽면시비

근채류

	사용비율 3,300 m ²	시비방법
배추	800g~1,000g	7~10일 간격으로 엽면시비
상추	800g~1,000g	7~10일 간격으로 엽면시비
시금치	800g~1,000g	7~10일 간격으로 엽면시비
기타	800g~1,000g	7~10일 간격으로 엽면시비

곡물류

	사용비율 3,300 m ²	시비방법
미곡	1,000g~1,300g	12~15일 간격으로 엽면시비
맥곡	1,000g~1,300g	12~15일 간격으로 엽면시비
잡곡	1,000g~1,300g	12~15일 간격으로 엽면시비

과채류

	사용비율 3,300 m ²	시비방법
수박	1,000g~1,300g	12~15일 간격으로 엽면시비
토마토	1,000g~1,300g	10~13일 간격으로 엽면시비
딸기	1,000g~1,300g	12~15일 간격으로 엽면시비
기타	1,000g~1,300g	12~15일 간격으로 엽면시비

*젤미노를 물에 800~1000배 희석 해서 사용

*강알카리농약과 혼용금지

GELMINO IS L-FORM AMINO ACID FROM ENZYMATIC HYDROLYSIS OF PROTEIN. THE AMINO ACID CONTENT IN **GELMINO** IS MORE THAN **18%**. ITS AMINO ACID CONTENT IS QUITE HIGHER COMPARING TO OTHER PRODUCTS IN MARKET. **ORGANIC** COMPOUNDS IN THE PRODUCT ARE MORE THAN **40%**. THE NUTRIENTS IN **GELMINO** ARE EASILY ASSIMILATED BY PLANTS. THE ORGANIC MATERIALS IN **GELMINO** ARE READILY PERFORMING THEIR ACTION IN GROUND.

WHY AMINO ACID IS IMPORTANT FOR PLANT?

AMINO ACIDS ARE USED PLANT FUNCTIONS AND ALSO STORED BY PLANT TO BE USED IN TIME OF PRODUCTION AND STRESS. AMINO ACIDS ARE SYNTHESIZED IN THE PLANTS FROM THE ELEMENTS FROM ENVIRONMENT: **CARBON, OXYGEN(AIR), HYDROGEN(WATER) AND NITROGEN(SOIL)**. THIS IS DONE BY MICROBIAL IN SOIL AND ENZYMES IN PLANTS. HOWEVER, LOSSES OCCUR DURING THIS CONVERSION. THE PROCESS IS COMPARATIVELY INEFFICIENT.

GELMINO IS CONVERTED INTO READILY AVAILABLE FORM OF AMINO ACID FOR PLANTS.

GELMINO CAN BE EASILY ABSORBED BY PLANTS WITH MINIMAL LOSS.

GELMINO ALSO HELPS CROPS TO OVERCOME THE STRESS (SALT, TEMPERATURE AND DROUGHT). PLANT STRESS IS RELATED TO YIELD OF CROPS. THE ABILITY OF COPE OR OVERCOME THE STRESS IS VERY IMPORTANT FOR UNIFORM AND HIGH YIELDING CROPS.

GELMINO PROVIDES THE ESSENTIAL NUTRITION REQUIRED BY PLANTS UNDER THE STRESSFUL CONDITIONS.

GELMINO HELPS TO IMPROVE COLOR AND SUGAR CONTENT IN CROPS; ALSO, IT HELPS TO IMPROVE THE SOIL CONDITION BY STIMULATING ACTIVITY OF MICRO ORGANISM.

AMINO ACIDS IN GELMINO AND THEIR FUNCTIONS IN PLANTS.

Alanine	Salt Stress Root Development	Isoleucine	Salt Stress Pollen Germination
Arginine	Color Improvment	Leucine	Pollen Germination
Aspartic Acid	Seed Germination	Lysine	Taste Pollen Germination
Glutamic Acid	Chlorophyll Production Seed Germination	Methionine	Ripening Sugar Content
Glycine	Chlorophyll Production Pollination	Phenylalanine	Ripening Pollination
Histidine	Uptake of nutrients	Serine	Taste Improvement
Proline	Drought Stress	Threonine	Drought Stress
Valine	Drought Stress	Tyrosine	Salt Stress

APPLICATION

CROPS	APPLICATION RATE	APPLICATION TIMING
Fruit	2Kg~3Kg/ha	Every 8-10days
Grape	1.5Kg~2Kg/ha	Every 8-10days
Cereal	3Kg~4Kg/ha	Every 12~15days
Vegetable	2.5Kg~3Kg/ha	Every 10~12days
Potato	2Kg~2.5Kg/ha	Every 12~15days

*WATER DILUTION IS REQUIRED BEFORE APPLYING TO

*DILUTION RATIO IS 800KG OF WATER : 1KG OF **GELMINO**.

*DO NOT USE WITH **ALKALI-CHEMICALS**.



HISTORY OF KIC

January 1977

- Established Ilsin general trading company (chemicals wholesale)

July 1984

- Established Goosung chemical trading company, beginning manufacturing at Kyunggido Gwangjugun

October 1989

- Changed firm name to Kooryong industry, moving the factory into Choongbook Goesangun

June 1990

- Extended factory production line

July 1990

- Registered for trade business

March 1991

- Completed the extension of factory production line

July 1991

- Approved importation sale business of food, etc.

April 1996

- Registered for the patent that is related to industrial adhesive

September 1996

- Registered for the manufacturing industry of supporting feed-stuff

October 1999

- Registered for a venture enterprise

October 2005

- Changed company's CI and built the automation of production line

June 2007

- Production line expanded to meet the demand of protein products

March 2010

- Start to develop the liquid protein and the amino acid products

April 2011

- Introduced veggie based pellet binder into Korea market

June 2014

- Increased production capacity for amino acid products



Kooyong Industrial Corp.

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KOORYONG INDUSTRIAL CORP.