



ORGANIC AMINO ACID • PLANT NUTRITION

Scientific production, agronomic results.

Low-molecular-weight free L-amino acid solutions, produced
by enzymatic hydrolysis of HELAL cattle-hide collagen.

SER AMINO PRODUCT CATALOG

2026

"Certified, not just claimed."

serkimaminoasit.com





Certified, not just claimed.

Serkim Aminoasit converts the collagen of cattle hides — sourced only from HELAL slaughter in Türkiye — into low-molecular-weight free L-amino acids, through controlled breakdown with organic acids and select enzymes, on a **100% organic, zero-waste** principle.

18-19

Contains 18-19 of the 24 individual amino acids.

01

HELAL Cattle-Hide Collagen

Collagen from cattle hides sourced under HELAL slaughter conditions is used as the raw material.

02

Enzymatic Hydrolysis

The collagen is broken down in a controlled way with organic acids and a select supplier's enzymes.

03

L-Amino Acid

The result: low-molecular-weight free L-amino acids and short-chain peptides, taken up rapidly by the plant.

HELAL

Origin: collagen raw material

100%

Organic · zero waste

Free L-AA

Low molecular weight

CERTIFIED PRODUCTION

1785

LICENSE NO

2019

MINISTRY REGISTRATION

ORSER

ORGANIC CERTIFICATE · TR-OT-011

HELAL

ORIGIN: COLLAGEN



The Ser Amino family.

The same scientific production in three concentrations. Choose the entry, balanced or strongest option for your need.



ENTRY PRODUCT

Ser Amino — Small

Balanced, economical starter nutrition for soil and young plants.

Organic Carbon	%13
Nitrogen (N)	%4
pH	5.5-7

%6	%30
FREE AA	ORG. MATTER



BALANCED NUTRITION

Ser Amino — Medium

A versatile core product for both drip and foliar use.

Organic Carbon	%16
Nitrogen (N)	%6
pH	5.5-7.5

%12	%50
FREE AA	ORG. MATTER



THE STRONGEST

Ser Amino — VIP

The highest concentration; applied at the lowest dose.

Organic Carbon	%18
Nitrogen (N)	%7
pH	5-7

%14	%60
FREE AA	ORG. MATTER



Which product for which need?

The strongest product delivers the highest organic matter at the lowest dose. The table below makes choosing easy.

FEATURE	SMALL	MEDIUM	VIP STRONGEST
Positioning	Entry	Balanced	Strongest
Free amino acid	%6	%12	%14
Organic matter	%30	%50	%60
Organic carbon	%13	%16	%18
Organic nitrogen (N)	%4	%6	%7
pH	5.5–7	5.5–7.5	5–7
Featured dose · drip	700–800 cc/da	600–700 cc/da	500–600 cc/da
Application	Soil / foliar	Drip + foliar	Drip + foliar
Reg. No	12491	12490	12492

Values are guaranteed content (W/W), based on Ministry registration records. Doses are averages; a soil/leaf analysis is recommended.

Measurable agronomic benefit.

Science in every drop: peptides and free amino acids nourish the plant naturally, protect against stress and support yield.



Fast absorption

Rapid cellular uptake thanks to low molecular weight; also boosts the uptake of other fertilizers applied with it.



Stress & frost protection

Antifreeze amino acids protect the plant against cold, heat, frost and light stress.



Flowering & fruit set

Encourages flowering and pollen formation, delivering a high fruit-set rate.



Root development

Increases root-hair colonization and promotes healthy, vigorous rooting.



Mineral uptake

High chelating capacity increases mineral uptake by the plant.



Brix & earliness

Proline and hydroxyproline support earliness, higher Brix, natural color and yield.

Where and how much?

The Ser Amino series is used across a wide range of crops. The doses below are average values.

USE AREA	DRIP	FOLIAR
Greenhouse & field vegetables Tomato, pepper, eggplant, cucumber	600–800 cc/da SOIL	250–300 cc/100 L FOLIAR
Fruit trees Olive, apple, cherry, pomegranate, grape	1000–2000 cc/da SOIL	250–300 cc/100 L FOLIAR
Field crops Cotton, maize, wheat, sunflower	500–2000 cc/da SOIL	200–300 cc/100 L FOLIAR
Citrus & banana Citrus fruits, banana	1000–3000 cc/da SOIL	250–300 cc/100 L FOLIAR
Melon, watermelon & strawberry Tuber and garden plants	1000–2000 cc/da SOIL	250–300 cc/100 L FOLIAR
Green areas Cut flowers, ornamental plants	500–1000 cc/da SOIL	200–300 cc/100 L FOLIAR

QUICK DOSE SUMMARY

Soil 0.5–2 L/da

Foliar 150–300 ml/100 L water

Dose varies by product, crop and soil type. For best results, have a soil and/or leaf analysis done. Compatible with agricultural crop-protection products.

COMING SOON



NEXT-GENERATION PRODUCT

SERAMINO

ENZYME

Ser Amino's proven amino-acid power, now joined by selected enzymes.
Designed to take nutrient uptake and soil activity to the next level.



Alpha-Amylase
ENZYME

Breaks starch into simple sugars, supporting soil microbial activity.



Protease
ENZYME

Breaks proteins into amino acids, easing nitrogen availability to the plant.



Phytase
ENZYME

Releases bound phosphorus by breaking down phytic acid.

Organic Matter

%50

Full content and dosage table

will be announced at launch.

ADVANCE INFO & SAMPLE REQUEST

serkimaminoasit.com



Request samples and technical support.

Get in touch with our team for product selection, dosage and an application plan.

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WHY SER AMINO?



100% organic & certified

Ministry-registered, ORSER-certified



High impact at low dose

Lowest dose in the strongest product



Broad crop compatibility

Vegetables, fruit, field crops & vines

"Scientific production, agronomic results."