



SOLULYS® soluble corn protein - grade 046V-EXP

SOLULYS® 046V-EXP is used as an **organic fertilizer**, and potential **biostimulant** as part of nutrient formulations in plant care. Additionally, **SOLULYS® 046V-EXP** promotes **microbial development** critical to a healthy soil matrix. **SOLULYS® 046V-EXP** is an organic source of micronutrients compliant with CMC 1 requirements and compatible with PFC 1(A) II's. Biostimulant characteristics make it also compatible with PFC 6(B) formulations.

SOLULYS® 046V-EXP acts as a **NPK fertilizer**, with organic nitrogen for plant growth. Derived from soluble corn protein extracts serving as a **source of secondary nutrients** and **micronutrients**. Additionally, the product provides **water soluble proteins**, **free amino acids**, **vitamins**, and **other natural organic acids** (e.g., lactic acid) to aid in growth promotion and stress tolerance of the plant. **SOLULYS® 046V-EXP** is also widely used as a microbial growth promoter in related applications.

The major advantage of **SOLULYS® 046V-EXP** lies in well-balanced composition from NPK with high share of free amino acids and soluble phosphorous, to other nutrients and favorable elements. Additionally, **SOLULYS® 046V-EXP** is safe on a wide range of plants including fruits, vegetables, turfgrass and ornamentals for production or home gardening.

HOW TO USE

As a direct organic fertilizer or as part of biostimulant compositions having improved formulations for:

- Foliar applications
- Granulated nutrients
- Microbial biostimulant applications

SOLULYS® 046V-EXP can be purchased in liquid form. Consult your technical representative for dosage recommendations.

OUR ADVANTAGES

BIODEGRADABILITY	100% BIO-BASED PRODUCT	PLANT BIOSTIMULANT	CONSISTENCY
<ul style="list-style-type: none">• Fully biodegradable and used in plant metabolism	<ul style="list-style-type: none">• Extracted from soluble corn wet milling fractions (GMO free)	<ul style="list-style-type: none">• Provides nutritional and non-nutritional growth response and stress tolerance• Stimulates growth of microorganisms present in soil	<ul style="list-style-type: none">• Patent pending process used to produce a consistent, stable product



PHYSICAL PROPERTIES

Based on as is indicative values

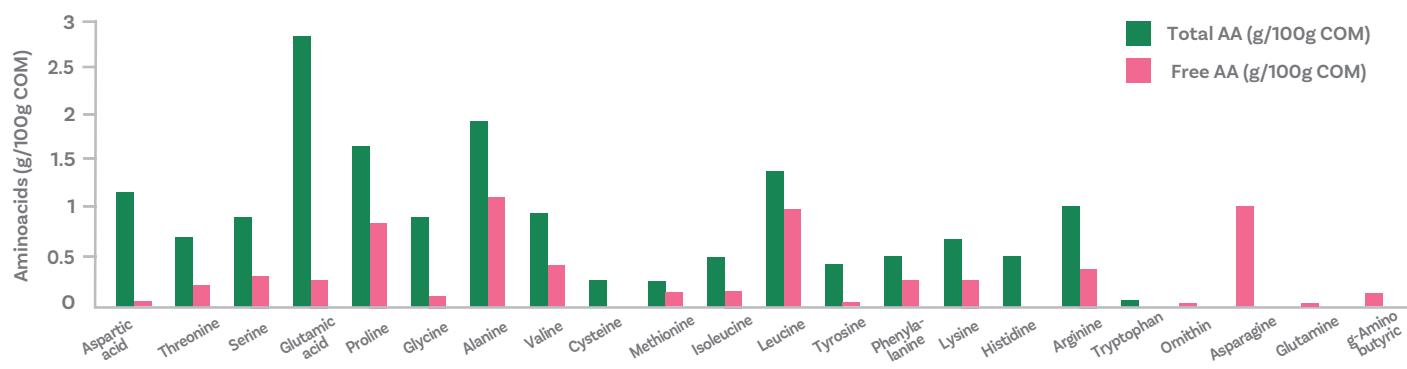
SOLULYS® 046V-EXP

Appearance	Brown liquid
% Dry Substance	45%
N-P ₂ O ₅ -K ₂ O	3-4-4
Total Nitrogen	3%
Phosphorus (P ₂ O ₅)	4%
Potassium (K ₂ O)	4%
Free Amino Acids	7%
Total Amino Acids	17%
Σ Organic acids	12% (6% lactate; 5% phytic)
pH	~4

MISCELLANEOUS INFORMATION

Storage temperature	5-30°C
Storage instructions	Closed container
Shelf life	TBD
Packaging	Bulk, IBC

SOLULYS® 046V-EXP aminogram



Tomato plantlets treated with SOLULYS® 046V-EXP (6,00.10⁻³gN/plant) grown on inert media (vermiculite+perlite) during 7 weeks.

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IN_PM-SOLULYS-046V-EXP-TDS-321e/09-2024