



**grønn**  
gjødsel



With 29% amino acids and 6% free amino acids of the most favorable form (L-isomer), the amino acids are very easily absorbable as they are enzymatically made from hemoglobin, an easily digestible protein. Protem will provide additional iron and potassium supplementation, which contributes to deeper greening of the plants and more efficient photosynthesis.

Protem 29/6 is an organic foliar fertilizer in liquid form, with high nutrient content. With Protem you can buy valuable time when the growth potential is present but the plant needs immediate supply of nutrition and energy. In other words, Protem is a ready-made raw material for the plant for growth and development. Typical situations are when the plant has the potential for growth but does not get everything it needs. It can be early spring, when low temperatures in the soil prevent the root from getting properly started, after periods of drought, mineral deficiency or if the plants have become stressed or weakened. With Protem, the plant will recover quickly, grow to its full potential and at the same time lay the foundation for long-term further growth. Protem strengthens all parts of the plant and adds growth and vitality. Protem is used on all types of leaf manure of crops; grass, cereals, potatoes, fruits, vegetables, etc. Unlike fertilizers to be

absorbed through the root system, Protem foliar fertilizers will have a quick effect. Protem is often used in combination with other fertilizers or plant protection since the amino acids in Protem open passage through wax layers into the plant's cells and thus facilitate the uptake of other substances. Protem comes in liquid form, is storage stable and easy to use. Protem is also used for drip irrigation. Protem is approved in organic farming by (EU) No 834/2007. Protem 29/6 is a plant biostimulant with high concentration of amino acids, obtained from enzymatic hydrolysis, which releases and potentiates different reactions in plant metabolism, its biostimulatory effect having a similar effect to that of plant hormones and natural growth regulators. Protem 29/6 is manufactured under strictly controlled conditions using high quality raw materials. Protem is produced as a concentrate in aqueous solution.

### Vegetables

Can be used at first watering. Depending on the plant structure, the dosage can be increased until harvest. Increases stress tolerance and helps flowers to withstand frost.

### Fruits, berries, nuts

Begin with first watering. Until harvest, the treatment can be done every 10-15 days. Easiest to add with irrigation system. Increases stress tolerance and helps flowers to withstand frost.

### Cereals, oilseeds, herbs

Can be used with irrigation system. For sprinkler systems, clean water should be given 10-15 minutes after fertilization.

### Flowers / ornamentals

Can be given weekly throughout the growing season. Dosage to be adjusted depending on the plants' development. Increases stress tolerance and helps flowers to withstand frost.

### Potato

Can be applied with irrigation system. For sprinkler systems, clean water should be given 10-15 minutes after fertilization. Increases stress tolerance and helps the plant withstand frost.



### Analysis

Total amino acids	29,0%
Amino acids free	6,0%
Total nitrogen	5,0%
Organic nitrogen	4,5%
Phosphate (P2O5)	0,25%
Potassium (K2O)	3,0%
Calcium (CaO)	0,01%
Iron (Fe)	750 ppm
Organic carbon	18,0%
pH	8,5 - 9,5



### Contents

alanine	2,6%	methionine	0,3%
arginine	1,1%	phenylalanine	2,0%
aspartic acid	3,7%	serin	1,2%
cysteine	0,2%	threonine	0,7%
glutamic acid	2,6%	tryptophan	0,2%
glycine	1,5%	tyrosine	0,6%
histidine	1,8%	Valin	2,9%
isoleucine	0,2%	Prolin	1,1%
leucine	4,3%	Hydroxyprolin	<0,04%
lysine	2,1%	Amino acids type L	



### Recommendation

On leaves:  
200-400 ml / 100 L water  
  
Drip irrigation:  
Use 4 - 7 liters / ha