



## Introduction

Nutriline will help to enhance the physiological processes of plants and will help to stop the reduction of plants and their parts. The most effective foliar fertilization is noticed at critical stages of cereal growth and development: germination, seedling development, tillering, stem elongation, heading (ear emergence).



## Challenges

Changing climatic conditions are characterized by large fluctuations in air temperature, which puts plants under stress. Due to unfavourable factors (soil condition, meteorological conditions, errors in growth technologies), as a result, crop establishment success is lower compared to optimal indicators.

## Solution

Nutriline – plant physiological processes activator.

### Registration information and certificates

Suitable for: cereals, rapeseed, corn, sunflower, sugar beet, vegetables, fruit trees, fruit bushes, berries.

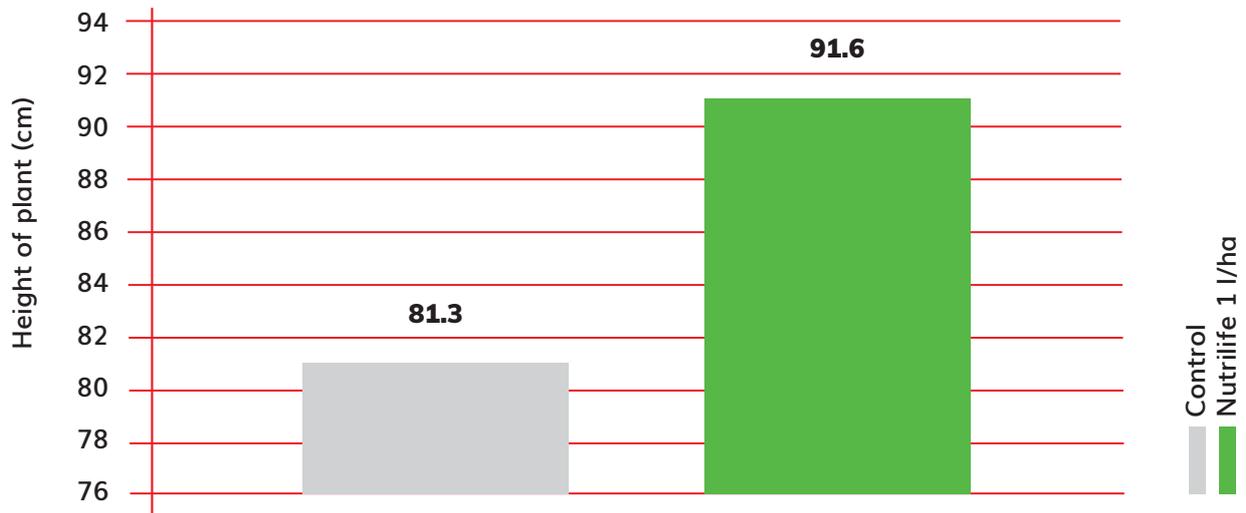
## Mode of action

Nutriline is an organic fertilizer rich in substances of natural origin: proteins, amino acids, enzymes, nucleic acids, phytohormones, micro and macro elements, humic and fulvic acids. The substances not only activate the physiological processes in plants, but at the same time promote the activity of soil living microorganisms. Nutriline can be used as soil additive and as foliar treatment for fast and effective activator of physiological processes of the crop.

## Benefits and Results

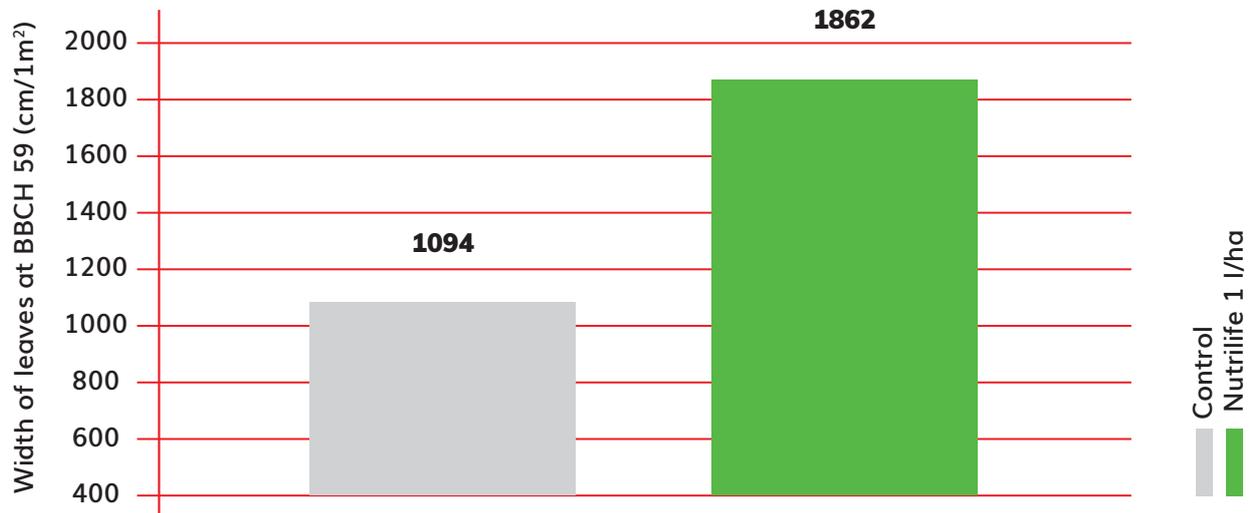
- Improves optimal uptake of nutrients;
- Stimulates development and growth of plant root system and thus ensures genetically programmed productivity of plants;
- Ensures better plant health and consequently better resistance to stress and temperature fluctuations;
- Promotes biological activity of soils.

Figure 1.



LAMMC Vezaiciai Branch, W. Wheat, 2019

Figure 2.



LAMMC Vezaiciai Branch, W. Wheat, 2019

## Application rate, technology

**Application rate:** cereals: 1-5 l/ha – BBCH 01-59; rapeseed: 1-5 l/ha – BBCH 01-59; corn, sunflower: 1-5 l/ha – BBCH 01-39; sugarbeet: 1-5 l/ha – BBCH 01-39; vegetables: 1-5 l/ha – BBCH 01-59; fruit trees, fruit bushes: 1-5 l/ha – BBCH 01-59; berries: 1-3 l/ha – BBCH 01-59, on the soil before planting before flowering.

**Application requirements:** the sprayer pressure must be 1-10 bar or 15-145 psi; nozzle size is at least 50 µm.

**Safety and storage:** product can be mixed with all kinds of fertilizers and pesticides unless the manufacturer of fertilizer or pesticide states otherwise. May contain natural sediments. Storage at high temperature above 30 °C must be avoided. Use Nutrilife as soon as possible after opening or store in the refrigerator (4 °C) once it is opened and use it within 72 h. Contamination of the product may occur at any time after opening and the manufacturer takes no responsibility for opened and unused product.

**Product is non-toxic and has no irritating compounds.** There is no risk to humans, animals and the environment. After contact with the skin or eyes, wash with running water.

## Specifications

**Composition:** bioactive compounds, P-2242 mg/l; K-1888 mg/l; Na-1330 mg/l; Ca-691 mg/l; S-356 mg/l; Mg-3.13 mg/l.

**Packaging:** 20 l; 10 l; 5 l; 1 l.

- **Biological activity:** promotion of plant nutrition through roots and leaves;
- **Physical state:** liquid microbiological product;
- **Viability, shelf life:** 12 months. The manufacturer does not recommend storing the product above 30°C.
- **Working conditions:** 5-47 °C soil temperature; 3.5 to 10.5 pH;
- **Chemical parameters:** dry matter 2.4%; pH 4.3; organic matter 57.4%;
- **Physical parameters:** colour from dark brown to black; dynamic viscosity 0.5 mPas; density 1.04 g/cm<sup>3</sup>.

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