

PRODUCT SHEET

AGENT

ENERGEN ALGAN

The seaweed extract is classified as a type auxiliary substance to be utilised in organic agricultural production as per Commission Regulation (EC) no. 889/2008 of 5 September 2008 and Council Regulation (EC) no. 834/2007 on organic production and labelling of organic products.

Seaweed extract (<i>Ascophyllum nodosum</i>) in % min.	25 %
Moisture in % max.	75 %
Combustible substances in dry substance in % min.	45 %
pH value	8 - 10



ENERGEN ALGAN is a liquid concentrate made of fresh seaweed (*Ascophyllum nodosum*) and contains amino acids, alginates, mannitol, laminarin and other substances positively affecting the yield, its quality and increased resistance of plants to drought and cold.

BASIC EFFECTS - dose from 0.5 to 1 litre/ha:

- **Promotes the formation of large volume of roots.** Consequently it enhances the exploitation of moisture and nutrition.
- **Stimulates growth and yield.** In particular, by promoting the flow of metabolites into seeds and fruit.
- **Increases the seed size.** Especially, with good supplies of nutrients.

SPECIAL EFFECTS - dose from 0.5 litre/ha:

- **Increases germination energy, and considerably affects the speed and quality of germination.** Enables steady emergence of plant stands, and increases the rate of photosynthesis in germinating plants. When applied to seeds, it eliminates inhibitory effects of mordants.
- **Adaptogenic effect**
 - **Cold** – Allows treated plants to tolerate temperatures by 2 to 3°C lower, if compared to control plants.
 - **Drought** – Helps retain 15 to 30% more water in plants for a period of 4 to 6 weeks.
 - **Salinity** – Promotes plant growth in salt substratum.
 - **Tolerance threshold** – Increases the disease tolerance threshold.
- **Increases the content of reserve substances** (starch, sugar in sugar beet and in grapevine and fruit)
- **Increases the content of active substances** in plants (**alpha-bitter acids in hop, morphine in poppy**).

MAIN PURPOSE – organic agriculture

- **Universally applicable to all crops throughout the growing season as an alternative to ENERGEN FULHUM.**
- **For arid areas with little or insufficient rainfall.**



SUPPLEMENTARY AND SPECIAL PURPOSE

- **Damage recovery:** after chemical, mechanical and frost damage to plant stands.
- **Broad-leaved and needle-leaved trees, lawns:** throughout the growth.

CROPS

Main crops:	cereals – wheat, barley, maize, rye, oat, triticale, rape, mustard, poppy, potatoes, sugar beet, grapevine, sunflower, strawberry
Special crops:	soya, pea, lentil, onion, garlic, cauliflower, kohlrabi, all kinds of lettuces, cabbages, melons, cucumbers, pumpkins, capsicums, tomatoes, fruit trees, small fruit, broad-leaved and needle-leaved trees in ornamental and orchard nurseries, lawns

SPECIAL APPLICATION – SEEDS AND PLANTING STOCK

- "Under heel" application on sowing together with nutrition in the dose of 1 l/ha
- Treating seeds and planting stock before sowing (cereals, rape, poppy – generally 2 to 5 litres/t of seed) Planting (potatoes – 2 to 3 l /t of planting stock)