

AlgifolTM

LIQUID



Organic Ways
of Success

AlgifolTM

LIQUID

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INTRODUCTION

ALGIFOL™ is concentrated from brown algae, which are harvested in the ocean according to our instructions and methods, dried and refined through a special process, concentrating and making available the wealth of trace elements, vitamins, enzymes, amino acids, carbohydrates, polyuronides and growth regulating plant hormones.

APPLICATION TIME ON POTATO PLANTS

1st spraying: in early stage

2nd spraying: on tuber initiation before flowering

3rd spraying: 4 weeks before harvest.

Additional spraying in case of plant stress through heat, heavy rain fall, drought or use of pesticide.

APPLICATION QUANTITY OF ALGIFOL™

Each spraying = 1 litre per hectare diluted as needed. May be combined with most pesticides and fungicides. No extra work involved.

Seed Potato Treatment: 0,5 litre/quantity of seeds / hectare diluted 1:100 and sprayed with knapsack on trays shortly before planting.

ORGANIC CERTIFICATION

ALGIFOL™ is certified by **BCS Nuremberg** and in accordance with EEC regulation 2092/91 Addendum II Part A of 22.07.1991 for organic growing.



Algifol™

Control

TREATMENT OF SEED POTATOES

Better sprouting and development are evident.

Strong roots are a sound basis for healthy plants and good yield.

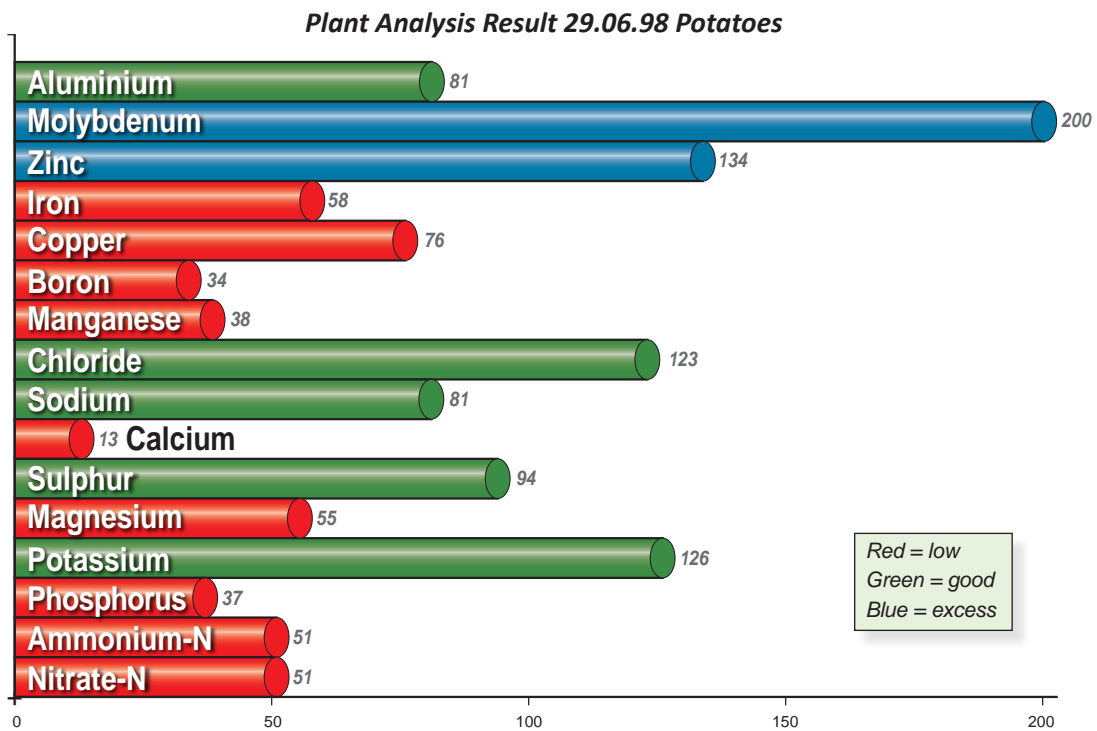
They may allow also earlier harvest.

England

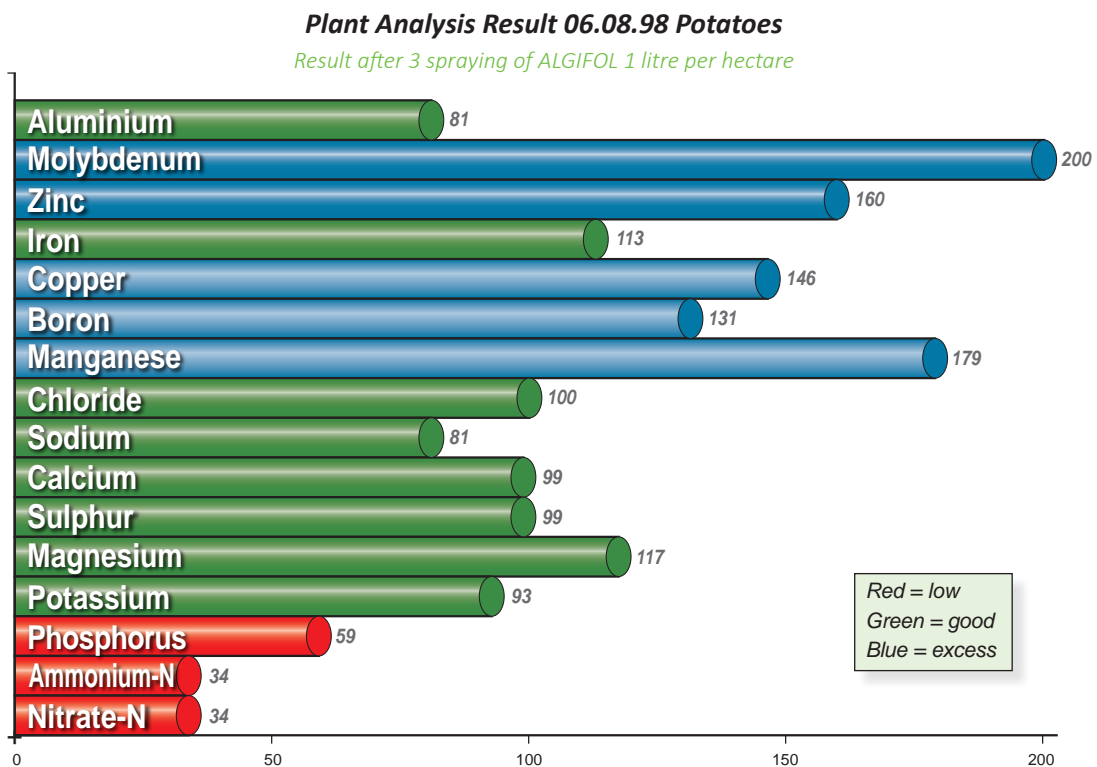
Michael MacDonald supervised a farmer applying additional 3 x 1 litre **ALGIFOL™** on King Edward potatoes. He left some acres as a control and achieved an **increase in yield** on **ALGIFOL™** field of **10 tons/hectare**. Michael was especially pleased about the shift in size range towards larger tubers and fewer “pig potatoes”.



ACTION OF ALGIFOL™ ON PLANT AVAILABILITY OF MICRO ELEMENTS IN SOIL



Action: Paul Drinkwater applied 1 litre ALGIFOL™ per hectare



CONCLUSION:
ALGIFOL™ application has made otherwise locked up elements plant available.

POTATO TRIAL IN ENGLAND

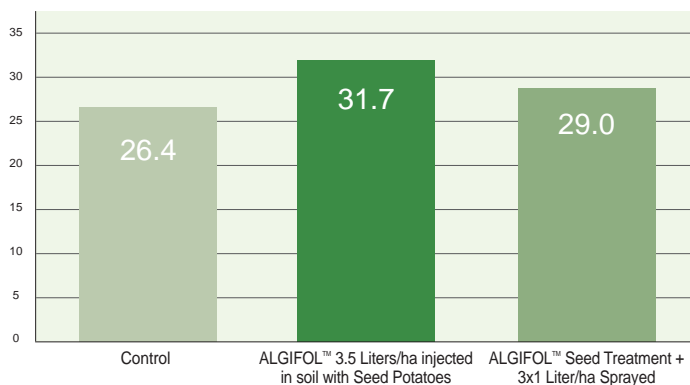
Variety Potatoes	Algifol™ Tons/ha	Control Tons/ha	Extra Yield > 45 mm
Piper	56.6	55.7	1.5
Estima	79.9	60.05	14.27
Estima	29.37	25.21	4.48
Nadine	60	53.5	2.31
Piper	62.95	65.37	1.55
Estima	57.16	56.21	2.88
Piper	69.8	64.4	8.16

Results are very encouraging. The farmer could easily work out considerable extra profit after reduction of **ALGIFOL™** cost.

This confirms Colin Fleming’s findings in 1999.

In the presence of high levels of PCN:

- **ALGIFOL™** sprays gave consistently higher tuber yields than controls and other treatments
- Statistically significant increases were obtained only with **ALGIFOL™** sprays
- PCN reproduction was lower in plots sprayed with **ALGIFOL™**



SALAD POTATOES

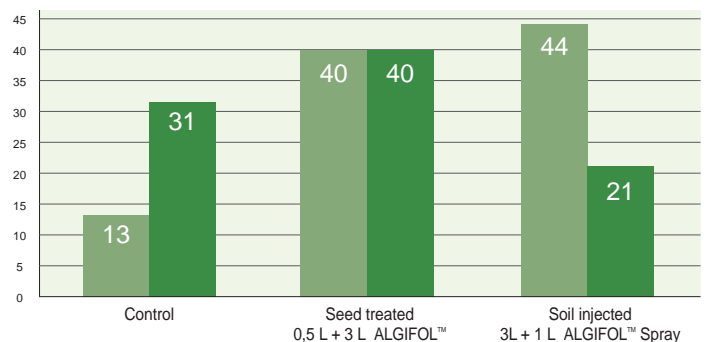
Salad Potatoes Paul Truepenny, England, variety *Nicola*, are sold in supermarkets on trays of 500 g.

Application of ALGIFOL
(results in tons per hectare)

SCIENTIFIC SUPERVISION AND NEMATODE COUNT

Dr. Colin Fleming,
Queen’s University of Belfast

Number of viable cysts/g soil
- Light green : Start
- Dark green : After Harvest

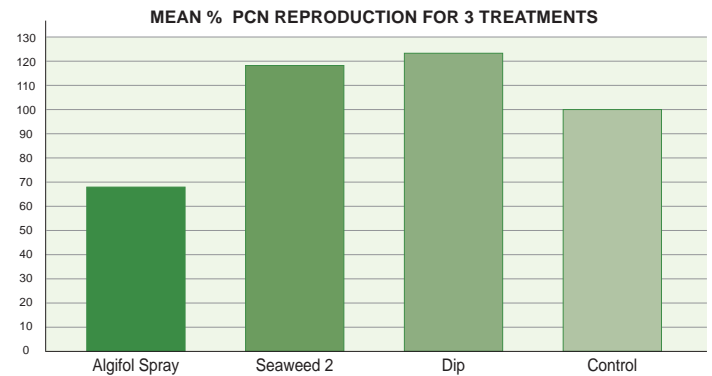
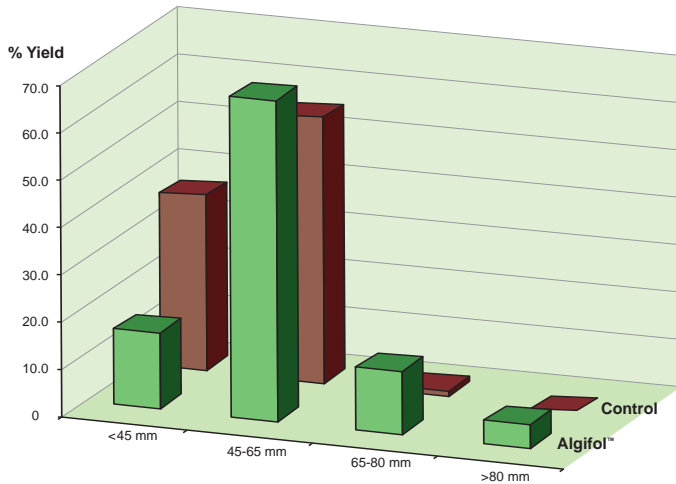


POTATO CYST NEMATODE MANAGEMENT WITH SEAWEED EXTRACTS

Previously in 1996 Colin Fleming obtained promising data from trials in *G. pallida* infested fields.



Queen's University of Belfast,
Northern Ireland



COLIN FLEMING & NEOMED PHARMA GMBH INITIATED AN EXTENSIVE TRIAL ON PCN INFESTED LAND USING ALGIFOL™ SPRAY, DIP, SEAWEED PRODUCT 2, & CONTROL.

Let us show you some of Colin Fleming's data:



Control plot showing typical symptoms of nematode damage



Algifol spray plot showing enhanced plant growth

CONCLUSION:

Scientific evidence suggests that chemicals from seaweeds can influence plant growth and help in the defense against attack by pests and pathogens. Chemicals which may be involved include:

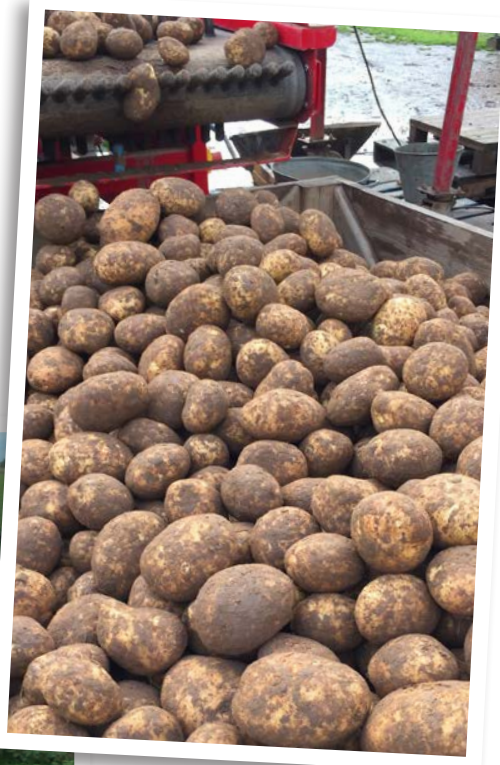
- cytokinins
- auxins
- betaines

Data show that seaweed extracts will not provide total control of nematodes. However when integrated into a program with other forms of control, seaweed extracts may play a significant role in plant protection as well as offering other benefits such as yield increase and enhanced crop quality.

Field of Algifol™ potatoes - closed canopy



Algifol™ combined spraying



Freshly harvested potatoes
excellent skin & regular size

ALGIFOL™ FOR ALL PLANTS

Positive effects of **ALGIFOL™** can also be seen on other crop. Please inquire specifically. Some examples can be found below with dosage recommendation.

Crops	Quantity/hectare/season	Crops	Quantity/hectare/season
Bananas	3-4 x 1 litre	Mango	3-4 x 1 litre
Cereals	2-3 x 1 litre	Onions	2-3 x 1 litre
Cotton	2-3 x 1 litre	Strawberry	3-4 x 1 litre
Cucumber	3-4 x 1 litre	Sugar Beet	3-4 x 1 litre
Flowers	4-5 x 1 litre	Strawberry	3-4 x 1 litre
Forage/Grass	3-4 x 1 litre	Tobacco	2-3 x 1 litre
Fruit Trees (eg orange, apple, peach)	6-8 x 0,5 litre	Turf	4-6 x 1 litre
Grapes	2-3 x 1 litre	Vegetable (eg beans, tomatoes, peperoni)	3-4 x 1 litre

- ✓ Less irrigation water needed
- ✓ Reduction of pesticides
- ✓ High resistance against cold, drought, heat
- ✓ Healthy development of plants
- ✓ Protection from effect of stress & insects

- ✓ Stronger rooting & larger root mass
- ✓ Rich harvest of excellent quality
- ✓ Better taste of fruit & vegetable
- ✓ Beautiful flowers & ornamentals
- ✓ Prolonged harvest

Colin Fleming from Applied Plant Science,
Queen's University of Belfast carried out trials in 1999
revealing statistically relevant results with

Algifol™

- ✓ Higher yield
- ✓ An increase in usable tubers with a shift in the size range towards larger tubers
- ✓ Lower nematode reproduction
- ✓ Reduced symptoms of nematode attack



We are grateful to British farmers for practical field results and continuous assistance.

www.algifol.com

Neomed Pharma GmbH is a company incorporated since 1980 under the laws of the Federal Republic of Germany.

All products are manufactured using an environmental friendly code of practice and in accordance with EEC regulations 2092/91 (EWG), Anhang II (European Union), the USDA/NOP-Final rule (USA) and the JAS Japanese Agriculture Standard of Organic Agriculture Products (Japan). NEOMED has been involved for more than 30 years in research, development and sales of marine algae products using Ascophyllum nodosum. The raw material is processed using a special technology (non-disclosed production technology) for processing and blending components of the formulations. Main focus of the company is in the evaluation of the Ascophyllum extract (Algifol™) as a biostimulant for a range of agricultural crop plants including perennial grasses (turf).

NEO *med* 

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